



EDUS121131

**R-410A**

# Engineering Data

- Heat Pump -

## **SUPER MULTI** *NX*

**2/3/4MXS-G/J Series**



**INVERTER**

**DAIKIN AC (AMERICAS), INC.**

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Multi-Split Type Air Conditioners .....	1
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## SUPER MULTI NX

## 2/3/4MXS-G/J Series

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- Cautions**
1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
  2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.





# Part 1

## Multi-Split Type Air Conditioners SUPER MULTI NX 2/3/4MXS-G/J Series Heat Pump

<b>CTXS07LVJU</b>	<b>FDXS09LVJU</b>	<b>2MXS18GVJU</b>
<b>CTXS09HVJU</b>	<b>FDXS12LVJU</b>	<b>3MXS24JVJU</b>
<b>CTXS12HVJU</b>	<b>CDXS15LVJU</b>	<b>4MXS32GVJU</b>
<b>FTXS15LVJU</b>	<b>CDXS18LVJU</b>	
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# 1. Power Supply

1

Indoor Unit		Outdoor Unit	Power Supply
CTXS, FTXS Series	CTXS07LVJU	2MXS18GVJU 3MXS24JVJU 4MXS32GVJU	1 $\phi$ , 208 - 230 V, 60 Hz
	CTXS09HVJU		
	CTXS12HVJU		
	FTXS15LVJU		
	FTXS18LVJU		
CDXS, FDXS Series	FDXS09LVJU		
	FDXS12LVJU		
	CDXS15LVJU		
	CDXS18LVJU		

**Note:** Power Supply Intake : Outdoor Unit

## 2. Functions

Category	Functions	CTXS07/09/12LVJU	FTXS15/18LVJU	Category	Functions	CTXS07LVJU	FTXS09/12/15/18LVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	—	—		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	—	—		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	—	—		Titanium apatite photocatalytic air-purifying filter	●	●
	Operation limit for heating (°FWB)	—	—		Air filter (prefilter)	●	●
Compressor	PAM control	—	—	Timer	Wipe-clean flat panel	●	●
	Oval scroll compressor	—	—		Washable grille	—	—
	Swing compressor	—	—		Filter cleaning indicator	—	—
	Rotary compressor	—	—		Good-sleep cooling operation	—	—
Comfortable Airflow	Reluctance DC motor	—	—	Worry Free "Reliability & Durability"	WEEKLY TIMER operation	●	●
	Power-airflow louver (horizontal blade)	—	—		24-hour ON/OFF TIMER	●	●
	Power-airflow dual louvers	●	●		NIGHT SET mode	●	●
	Power-airflow diffuser	—	—		Auto-restart (after power failure)	●	●
	Wide-angle fins (vertical blades)	●	●		Self-diagnosis (digital, LED) display	●	●
Comfort Control	Vertical auto-swing (up and down)	●	●	Flexibility	Wiring error check function	—	—
	Horizontal auto-swing (right and left)	●	●		Anticorrosion treatment of outdoor heat exchanger	—	—
	3-D airflow	●	●		Multi-split / split type compatible indoor unit	—	●
	COMFORT AIRFLOW operation	●	●		Flexible power supply correspondence	—	—
	Auto fan speed	●	●		High ceiling application	—	—
	Indoor unit quiet operation	●	●		Chargeless	—	—
	NIGHT QUIET mode (automatic)	—	—		Either side drain (right or left)	●	●
Operation	OUTDOOR UNIT QUIET operation (manual)	●	●	Remote Control	Power selection	—	—
	INTELLIGENT EYE operation	●	●		°F/°C changeover R/C temperature display (factory setting: °F)	●	●
	Quick warming function	—	—		5-room centralized controller (option)	●	●
Lifestyle Convenience	Hot-start function	●	●	Remote Controller	Remote control adaptor (normal open-pulse contact) (option)	●	●
	Automatic defrosting	—	—		Remote control adaptor (normal open contact) (option)	●	●
	Automatic operation	●	●		DIII-NET compatible (adaptor) (option)	●	●
	Program dry function	●	●	Remote Controller	Wireless	●	●
	Fan only	●	●		Wired (option)	●	●
	New POWERFUL operation (non-inverter)	—	—				
	Inverter POWERFUL operation	●	●				
	Priority-room setting	—	—				
	COOL / HEAT mode lock	—	—				
	HOME LEAVE operation	—	—				
ECONO operation	●	●					
Indoor unit [ON/OFF] button	●	●					
Signal receiving sign	●	●					
R/C with back light	●	●					
Temperature display	—	—					

**Note:** ● : Holding Functions  
 — : No Functions

Category	Functions	FDXS09/12LVJU	CDXS15/18LVJU	Category	Functions	FDXS09/12LVJU	CDXS15/18LVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	—	—		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	—	—		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	—	—		Titanium apatite photocatalytic air-purifying filter	—	—
	Operation limit for heating (°FWB)	—	—		Air filter (prefilter)	●	●
Compressor	PAM control	—	—	Wipe-clean flat panel	—	—	
	Oval scroll compressor	—	—	Washable grille	—	—	
	Swing compressor	—	—	Filter cleaning indicator	—	—	
	Rotary compressor	—	—	Good-sleep cooling operation	—	—	
Comfortable Airflow	Reluctance DC motor	—	—	Timer	WEEKLY TIMER operation	—	—
	Power-airflow louver (horizontal blade)	—	—		24-hour ON/OFF TIMER	●	●
	Power-airflow dual louvers	—	—		NIGHT SET mode	●	●
	Power-airflow diffuser	—	—	Worry Free "Reliability & Durability"	Auto-restart (after power failure)	●	●
	Wide-angle fins (vertical blades)	—	—		Self-diagnosis (digital, LED) display	●	●
	Vertical auto-swing (up and down)	—	—		Wiring error check function	—	—
	Horizontal auto-swing (right and left)	—	—		Anticorrosion treatment of outdoor heat exchanger	—	—
	3-D airflow	—	—		Flexibility	Multi-split / split type compatible indoor unit	●
COMFORT AIRFLOW operation	—	—	Flexible power supply correspondence	—		—	
Comfort Control	Auto fan speed	●	●	High ceiling application		—	—
	Indoor unit quiet operation	●	●	Chargeless		—	—
	NIGHT QUIET mode (automatic)	—	—	Either side drain (right or left)		—	—
	OUTDOOR UNIT QUIET operation (manual)	●	●	Power selection		—	—
	INTELLIGENT EYE operation	—	—	°F/°C changeover R/C temperature display (factory setting: °F)		●	●
	Quick warming function	—	—			Remote Control	5-room centralized controller (option)
	Hot-start function	●	●	Remote control adaptor (normal open-pulse contact) (option)	●		●
Automatic defrosting	—	—	Remote control adaptor (normal open contact) (option)	●	●		
Operation	Automatic operation	●	●	Remote Controller	DIII-NET compatible (adaptor) (option)	●	●
	Program dry function	●	●		Wireless	●	●
	Fan only	●	●		Wired (option)	●	●
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	—				
	Inverter POWERFUL operation	●	●				
	Priority-room setting	—	—				
	COOL / HEAT mode lock	—	—				
	HOME LEAVE operation	—	—				
	ECONO operation	●	●				
	Indoor unit [ON/OFF] button	●	●				
	Signal receiving sign	●	●				
	R/C with back light	●	●				
Temperature display	—	—					

**Note:** ● : Holding Functions  
— : No Functions

Category	Functions	2MXS18GVJU	3MXS24JVJU 4MXS32GVJU	Category	Functions	2MXS18GVJU	3MXS24JVJU 4MXS32GVJU
Basic Function	Inverter (with inverter power control)	●	●	Health & Clean	Air-purifying filter	—	—
	Operation limit for cooling (°CDB)	-10 ~ 46	-10 ~ 46		Photocatalytic deodorizing filter	—	—
	Operation limit for cooling (°FDB)	14 ~ 114.8	14 ~ 114.8		Air-purifying filter with photocatalytic deodorizing function	—	—
	Operation limit for heating (°CWB)	-15 ~ 15.5	-15 ~ 15.5		Titanium apatite photocatalytic air-purifying filter	—	—
	Operation limit for heating (°FWB)	5 ~ 59.9	5 ~ 59.9		Air filter (prefilter)	—	—
	PAM control	●	●		Wipe-clean flat panel	—	—
Compressor	Oval scroll compressor	—	—	Timer	Washable grille	—	—
	Swing compressor	●	●		Filter cleaning indicator	—	—
	Rotary compressor	—	—		Good-sleep cooling operation	—	—
	Reluctance DC motor	●	●		WEEKLY TIMER operation	—	—
Comfortable Airflow	Power-airflow louver (horizontal blade)	—	—	Worry Free "Reliability & Durability"	24-hour ON/OFF timer	—	—
	Power-airflow dual louvers	—	—		NIGHT SET mode	—	—
	Power-airflow diffuser	—	—		Auto-restart (after power failure)	—	—
	Wide-angle fins (vertical blades)	—	—	Flexibility	Self-diagnosis (digital, LED) display	●	●
	Vertical auto-swing (up and down)	—	—		Wiring error check function	●	●
	Horizontal auto-swing (right and left)	—	—		Anti-corrosion treatment of outdoor heat exchanger	●	●
	3-D airflow	—	—		Multi-split / split type compatible indoor unit	—	—
COMFORT AIRFLOW operation	—	—	Flexible power supply correspondence	—	—		
Comfort Control	Auto fan speed	—	—	High ceiling application	—	—	
	Indoor unit quiet operation	—	—	Chargeless	98.4 ft (30 m)	131.6 ft (40 m)	
	NIGHT QUIET mode (automatic)	●	●	Either side drain (right or left)	—	—	
	OUTDOOR UNIT QUIET operation (manual)	●	●	Power selection	—	—	
	INTELLIGENT EYE operation	—	—	°F/°C changeover R/C temperature display (factory setting: °F)	—	—	
	Quick warming function	●	●	Remote Control	5-room centralized controller (option)	—	—
	Hot-start function	—	—		Remote control adaptor (normal open-pulse contact) (option)	—	—
	Automatic defrosting	●	●		Remote control adaptor (normal open contact) (option)	—	—
Operation	Automatic operation	—	—	Remote Controller	DIII-NET compatible (adaptor) (option)	—	—
	Program dry function	—	—		Wireless	—	—
	Fan only	—	—		Wired (option)	—	—
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	—				
	Inverter POWERFUL operation	—	—				
	Priority-room setting	●	●				
	COOL / HEAT mode lock	●	●				
	HOME LEAVE operation	—	—				
	ECONO operation	—	—				
	Indoor unit [ON/OFF] button	—	—				
	Signal receiving sign	—	—				
R/C with back light	—	—					
Temperature display	—	—					

Notes: ● : Holding Functions  
 — : No Functions

### 3. Specifications

#### 3.1 Indoor Unit

60 Hz, 208 - 230 V

Model			CTXS07LVJU	
			Cooling	Heating
Rated Capacity ★			7 kBtu/h Class	
Front Panel Color			White	
Airflow Rate	H	cfm (m³/min)	332 (9.4)	350 (9.9)
	M		261 (7.4)	290 (8.2)
	L		194 (5.5)	233 (6.6)
	SL		145 (4.1)	219 (6.2)
Fan	Type		Cross Flow Fan	
	Motor Output	W	23	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.09 - 0.08	0.11 - 0.10
Power Consumption (Rated)		W	18 - 18	21 - 21
Power Factor (Rated)		%	96.2 - 97.8	91.8 - 91.3
Temperature Control			Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-5/8 x 31-1/2 x 8-7/16 (295 x 800 x 215)	
Packaged Dimensions (H x W x D)		in. (mm)	10-13/16 x 34-1/4 x 14-7/16 (274 x 870 x 366)	
Weight (Mass)		Lbs (kg)	20 (9)	
Gross Weight (Gross Mass)		Lbs (kg)	29 (13)	
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 25 / 22	38 / 33 / 28 / 25
Sound Power Level		dB	54	54
Heat Insulation			Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)	
	Drain	in. (mm)	φ 5/8 (φ 16.0)	
Drawing No.			3D075490	

The data below was replaced by spec data from SiUS12-928\_B:

Model			CTXS09HVJU		CTXS12HVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			9 kBtu/h Class		12 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	388 (11.0)	400 (11.3)	388 (11.0)	400 (11.3)
	M		335 (9.5)	357 (10.1)	335 (9.5)	357 (10.1)
	L		283 (8.0)	314 (8.9)	283 (8.0)	314 (8.9)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	23		23	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.18	0.2	0.18	0.2
Power Consumption (Rated)		W	40	45	40	45
Power Factor (Rated)		%	96.2 - 97.896.6	97.8	96.6	97.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	11-7/16 x 31-5/16 x 9-3/8 (290 x 795 x 238)		11-7/16 x 31-5/16 x 9-3/8 (290 x 795 x 238)	
Packaged Dimensions (H x W x D)		in. (mm)	11 x 33-1/16 x 13-5/16 (280 x 840 x 338)		11 x 33-1/16 x 13-5/16 (280 x 840 x 338)	
Weight (Mass)		Lbs (kg)	20 (9)		20 (9)	
Gross Weight (Gross Mass)		Lbs (kg)	29 (13)		29 (13)	
Sound Pressure Level	H / M / L / SL	dB(A)	44 / 40 / 35	44 / 39 / 34	45 / 41 / 36	45 / 40 / 35
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)		φ 3/8 (φ 9.5)	
	Drain	in. (mm)	φ 11/16 (φ 18.0)		φ 11/16 (φ 18.0)	
Drawing No.			3D062870A		3D062871A	

**Note:** ★See page 13 ~ 50 "Combination Capacity".

Conversion Formulae
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m³/min x 35.3



60 Hz, 208 - 230 V

Model			FTXS15LVJU		FTXS18LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			15 kBtu/h Class		18 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	568 (16.1)	593 (16.8)	583 (16.5)	625 (17.7)
	M		477 (13.5)	505 (14.3)	484 (13.7)	526 (14.9)
	L		385 (10.9)	417 (11.8)	385 (10.9)	431 (12.2)
	SL		360 (10.2)	371 (10.5)	360 (10.2)	399 (11.3)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	48		48	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)			A	0.31 - 0.29	0.31 - 0.29	0.32 - 0.30
Power Consumption (Rated)			W	38 - 38	38 - 38	38 - 38
Power Factor (Rated)			%	58.9 - 57.0	58.9 - 57.0	57.1 - 55.1
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)			in. (mm)	13-3/8 x 41-5/16 x 9-3/4 (340 x 1,050 x 248)	13-3/8 x 41-5/16 x 9-3/4 (340 x 1,050 x 248)	
Packaged Dimensions (H x W x D)			in. (mm)	13 x 45-11/16 x 16-7/8 (331 x 1,160 x 429)	13 x 45-11/16 x 16-7/8 (331 x 1,160 x 429)	
Weight (Mass)			Lbs (kg)	31 (14)	31 (14)	
Gross Weight (Gross Mass)			Lbs (kg)	44 (20)	44 (20)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 40 / 35 / 32	43 / 38 / 33 / 30	46 / 41 / 36 / 33	45 / 40 / 35 / 32
Sound Power Level			dB	61	59	62
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 1/2 (φ 12.7)		φ 1/2 (φ 12.7)	
	Drain	in. (mm)	φ 5/8 (φ 16.0)		φ 5/8 (φ 16.0)	
Drawing No.			3D075043		3D075044	

Model			FDXS09LVJU		FDXS12LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			9 kBtu/h Class		12 kBtu/h Class	
External Static Pressure			inAq (Pa)	0.12 (30)	0.12 (30)	
Airflow Rate	H	cfm (m³/min)	305 (8.6)	305 (8.6)	305 (8.6)	305 (8.6)
	M		280 (7.9)	280 (7.9)	280 (7.9)	280 (7.9)
	L		260 (7.4)	260 (7.4)	260 (7.4)	260 (7.4)
	SL		235 (6.7)	235 (6.7)	235 (6.7)	235 (6.7)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	62		62	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)			A	0.58 - 0.52	0.58 - 0.52	0.58 - 0.52
Power Consumption (Rated)			W	72 - 72	72 - 72	72 - 72
Power Factor (Rated)			%	59.7 - 60.2	59.7 - 60.2	59.7 - 60.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)			in. (mm)	7-7/8 x 27-9/16 x 24-7/16 (200 x 700 x 620)	7-7/8 x 27-9/16 x 24-7/16 (200 x 700 x 620)	
Packaged Dimensions (H x W x D)			in. (mm)	10-13/16 x 36-5/16 x 30-1/4 (274 x 923 x 768)	10-13/16 x 36-5/16 x 30-1/4 (274 x 923 x 768)	
Weight (Mass)			Lbs (kg)	47 (21)	47 (21)	
Gross Weight (Gross Mass)			Lbs (kg)	64 (29)	64 (29)	
Sound Pressure Level	H / M / L	dB(A)	35 / 33 / 31	35 / 33 / 31	35 / 33 / 31	35 / 33 / 31
Sound Power Level			dB	51	51	51
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)		φ 3/8 (φ 9.5)	
	Drain	in. (mm)	VP20 (O.D. φ 1-1/32 (φ 26.0), I.D. φ 25/32 (φ 20.0))		VP20 (O.D. φ 1-1/32 (φ 26.0), I.D. φ 25/32 (φ 20.0))	
Drawing No.			3D075493		3D075494	

**Note:** ★ See page 13 ~ 50 "Combination Capacity".

Conversion Formulae
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m³/min x 35.3

60 Hz, 208 - 230 V

1

Model			CDXS15LVJU		CDXS18LVJU	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			15 kBtu/h Class		18 kBtu/h Class	
External Static Pressure		inAq (Pa)	0.16 (40)		0.16 (40)	
Airflow Rate	H	cfm (m³/min)	424 (12.0)	424 (12.0)	424 (12.0)	424 (12.0)
	M		388 (11.0)	388 (11.0)	388 (11.0)	388 (11.0)
	L		353 (10.0)	353 (10.0)	353 (10.0)	353 (10.0)
	SL		297 (8.4)	297 (8.4)	297 (8.4)	297 (8.4)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	130		130	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Current (Rated)		A	0.79	0.79	0.79	0.79
Power Consumption (Rated)		W	172	172	172	172
Power Factor (Rated)		%	94.4	94.4	94.4	94.4
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H x W x D)		in. (mm)	7-7/8 x 35-7/16 x 24-7/16 (200 x 900 x 620)		7-7/8 x 35-7/16 x 24-7/16 (200 x 900 x 620)	
Packaged Dimensions (H x W x D)		in. (mm)	10-1/2 x 43-9/16 x 29-9/16 (266 x 1,106 x 751)		10-1/2 x 43-9/16 x 29-9/16 (266 x 1,106 x 751)	
Weight (Mass)		Lbs (kg)	60 (27)		60 (27)	
Gross Weight (Gross Mass)		Lbs (kg)	75 (34)		75 (34)	
Sound Pressure Level	H / M / L / SL	dB(A)	37 / 35 / 33 / 31	37 / 35 / 33 / 31	37 / 35 / 33 / 31	37 / 35 / 33 / 31
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 1/2 (φ 12.7)		φ 1/2 (φ 12.7)	
	Drain	in. (mm)	VP20 (O.D. φ 1-1/32 (φ 26.0), I.D. φ 25/32 (φ 20.0))		VP20 (O.D. φ 1-1/32 (φ 26.0), I.D. φ 25/32 (φ 20.0))	
Drawing No.			C: 3D075721		C: 3D075722	

**Note:** ★ See page 13 ~ 50 "Combination Capacity".

Conversion Formulae
kcal/h = kW x 860
Btu/h = kW x 3412
cfm = m³/min x 35.3

### 3.2 Outdoor Unit

60 Hz, 208 - 230 V

Model		2MXS18GVJU	
		Cooling	Heating
Capacity ★	kW	—	
Power Consumption ★	W	—	
Running Current ★	A	—	
Casing Color		Ivory White	
Compressor	Type	Hermetically Sealed Swing Type	
	Model	2YC45EXD	
	Motor Output	W	1,380
Refrigerant Oil	Model	FVC50K	
	Charge	oz (L)	26.5 (0.75)
Refrigerant	Type	R-410A	
	Charge	Lbs (kg)	5.73 (2.6)
Airflow Rate	H	cfm	1,730
	L		1,518
	H	m³/min	49
	L		43
Fan	Type	Propeller	
	Motor Output	W	53
	Running Current	A	H: 0.31 / L: 0.28
	Power Consumption	W	H: 65 / L: 57
Starting Current	A	10.6	
Dimension (H × W × D)	in. (mm)	28-15/16 × 32-1/2 × 11-13/16 (735 × 825 × 300)	
Packaged Dimension (H × W × D)	in. (mm)	31-7/16 × 39-5/16 × 15-3/8 (806 × 999 × 390)	
Weight (Mass)	Lbs (kg)	139 (63)	
Gross Weight (Gross Mass)	Lbs (kg)	144 (65)	
Sound Pressure Level	dB(A)	50	51
Piping Connections	Liquid	in. (mm)	φ 1/4 × 2 (φ 6.4 × 2)
	Gas	in. (mm)	φ 3/8 × 2 (φ 9.5 × 2)
	Drain	in. (mm)	φ 11/16 (φ 18.0)
Heat Insulation		Both Liquid and Gas Pipes	
No. of Wiring Connection		3 for Power Supply, 4 for Interunit Wiring	
Max. Interunit Piping Length	ft (m)	164 (50) (for Total of Each Room)	
		82 (25) (for One Room)	
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (98.4 ft (30 m) or more)	
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)	
		24.6 (7.5) (between Indoor Units)	
Drawing No.		3D058840	

- Note:**
- ★ See page 13 "Combination Capacity".
  - The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	25 ft (7.5 m)
Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

Model		3MXS24JVJU		
		Cooling	Heating	
Capacity ★	kW	—		
Power Consumption ★	W	—		
Running Current ★	A	—		
Casing Color		Ivory White		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC63EXD		
	Motor Output	W	1,920	
Refrigerant Oil	Model	FVC50K		
	Charge	oz (L)	26.5 (0.75)	
Refrigerant	Type	R-410A		
	Charge	Lbs (kg)	6.61 (3.0)	
Airflow Rate	cfm	H	2,062	1,840
		M	1,840	1,840
		L	1,642	459
	m³/min	H	58.4	52.1
		M	52.1	52.1
		L	46.5	13.0
Fan	Type	Propeller		
	Motor Output	W	66	
	Running Current	A	H: 1.02 / M: 0.87 / L: 0.69	H: 0.87 / M: 0.87 / L: 0.05
	Power Consumption	W	H: 95 / M: 74 / L: 55	H: 74 / M: 74 / L: 9
Starting Current	A	17.8		
Dimension (H × W × D)	in. (mm)	30-5/16 × 35-7/16 × 12-5/8 (770 × 900 × 320)		
Packaged Dimension (H × W × D)	in. (mm)	35-7/8 × 37-11/16 × 15-15/16 (911 × 958 × 405)		
Weight (Mass)	Lbs (kg)	168 (76)		
Gross Weight (Gross Mass)	Lbs (kg)	196 (89)		
Sound Pressure Level	dB(A)	52	54	
Piping Connections	Liquid	in. (mm)	φ 1/4 × 3 (φ 6.4 × 3)	
	Gas	in. (mm)	φ 3/8 × 1, φ 1/2 × 1, φ 5/8 × 1 (φ 9.5 × 1, φ 12.7 × 1, φ 16.0 × 1)	
	Drain	in. (mm)	φ 1 (φ 25)	
Heat Insulation	Both Liquid and Gas Pipes			
No. of Wiring Connection	3 for Power Supply, 4 for Interunit Wiring			
Max. Interunit Piping Length	ft (m)	230 (70) (for Total of Each Room)		
		82 (25) (for One Room)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (131.6 ft (40 m) or more)		
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)		
		24.6 (7.5) (between Indoor Units)		
Drawing No.	3D066155			

- Note:**
- ★ See page 15 "Combination Capacity".
  - The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	25 ft (7.5 m)
Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

60 Hz, 208 - 230 V

Model		4MXS32GVJU		
		Cooling	Heating	
Capacity ★	kW	—		
Power Consumption ★	W	—		
Running Current ★	A	—		
Casing Color		Ivory White		
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC63EXD		
	Motor Output	W	1,920	
Refrigerant Oil	Model	FVC50K		
	Charge	oz (L)	26.5 (0.75)	
Refrigerant	Type	R-410A		
	Charge	Lbs (kg)	6.83 (3.1)	
Airflow Rate	H	cfm	2,062	1,840
			1,840	1,840
			1,642	459
	H	m³/min	58.4	52.1
			52.1	52.1
			46.5	13.0
Fan	Type	Propeller		
	Motor Output	W	66	
	Running Current	A	H: 1.02 / M: 0.87 / L: 0.69	
	Power Consumption	W	H: 95 / M: 74 / L: 55	
Starting Current	A	18.0		
Dimension (H × W × D)	in. (mm)	30-5/16 × 35-7/16 × 12-5/8 (770 × 900 × 320)		
Packaged Dimension (H × W × D)	in. (mm)	35-7/8 × 37-11/16 × 15-15/16 (911 × 958 × 405)		
Weight (Mass)	Lbs (kg)	168 (76)		
Gross Weight (Gross Mass)	Lbs (kg)	196 (89)		
Sound Pressure Level	dB(A)	52	54	
Piping Connections	Liquid	in. (mm)	φ 1/4 × 4 (φ 6.4 × 4)	
	Gas	in. (mm)	φ 3/8 × 1, φ 1/2 × 1, φ 5/8 × 2 (φ 9.5 × 1, φ 12.7 × 1, φ 16.0 × 2)	
	Drain	in. (mm)	φ 1 (φ 25)	
Heat Insulation	Both Liquid and Gas Pipes			
No. of Wiring Connection	3 for Power Supply, 4 for Interunit Wiring			
Max. Interunit Piping Length	ft (m)	230 (70) (for Total of Each Room)		
		82 (25) (for One Room)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20) (131.6 ft (40 m) or more)		
Max. Installation Height Difference	ft (m)	49.2 (15) (between Indoor Unit and Outdoor Unit)		
		24.6 (7.5) (between Indoor Units)		
Drawing No.	3D058873A			

- Note:**
- ★ See page 27 "Combination Capacity".
  - The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	25 ft (7.5 m)
Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

### 3.3 Combination Capacity: 2MXS18GVJU

#### Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	7.00	—	—	—	7.00	5.50 ~ 7.60	500	330 ~ 560	2.5	1.7 ~ 2.8	96
09	Wall	—	—	—	9.00	—	—	—	9.00	5.50 ~ 9.30	750	330 ~ 780	3.8	1.7 ~ 3.9	96
09	Duct	—	—	—	8.00	—	—	—	8.00	5.00 ~ 8.00	830	390 ~ 830	4.2	2.0 ~ 4.2	96
07+07	Wall	Wall	—	—	7.00	7.00	—	—	14.00	6.70 ~ 15.00	920	350 ~ 1020	4.5	1.7 ~ 5.0	99
07+09	Wall	Wall	—	—	7.00	9.00	—	—	16.00	6.70 ~ 17.00	1150	350 ~ 1280	5.6	1.7 ~ 6.2	99
07+09	Wall	Duct	—	—	6.56	8.44	—	—	15.00	6.40 ~ 15.50	1260	420 ~ 1330	6.1	2.0 ~ 6.5	99
09+09	Wall	Wall	—	—	9.00	9.00	—	—	18.00	6.70 ~ 19.00	1420	350 ~ 1700	6.9	1.7 ~ 8.3	99
09+09	Wall	Duct	—	—	8.50	8.50	—	—	17.00	6.40 ~ 17.50	1600	420 ~ 1750	7.8	2.0 ~ 8.5	99
09+09	Duct	Duct	—	—	8.00	8.00	—	—	16.00	6.10 ~ 16.10	1760	490 ~ 1800	8.5	2.4 ~ 8.7	99

#### Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	8.60	—	—	—	8.60	5.90 ~ 9.20	660	440 ~ 710	3.2	2.2 ~ 3.5	98
09	Wall	—	—	—	11.00	—	—	—	11.00	5.90 ~ 11.80	910	440 ~ 980	4.5	2.2 ~ 4.8	98
09	Duct	—	—	—	11.00	—	—	—	11.00	5.60 ~ 11.50	980	490 ~ 1050	4.8	2.4 ~ 5.2	98
07+07	Wall	Wall	—	—	8.60	8.60	—	—	17.20	8.20 ~ 18.80	1290	530 ~ 1430	6.3	2.6 ~ 6.9	99
07+09	Wall	Wall	—	—	8.58	11.02	—	—	19.60	8.20 ~ 21.40	1550	530 ~ 1710	7.5	2.6 ~ 8.3	99
07+09	Wall	Duct	—	—	8.58	11.02	—	—	19.60	8.10 ~ 21.00	1670	580 ~ 1890	8.1	2.8 ~ 9.2	99
09+09	Wall	Wall	—	—	11.00	11.00	—	—	22.00	8.20 ~ 24.00	1880	530 ~ 1970	9.1	2.6 ~ 9.6	99
09+09	Wall	Duct	—	—	11.00	11.00	—	—	22.00	8.10 ~ 23.60	2080	580 ~ 2130	10.1	2.8 ~ 10.3	99
09+09	Duct	Duct	—	—	11.00	11.00	—	—	22.00	8.00 ~ 23.20	2190	640 ~ 2290	10.6	3.1 ~ 11.1	99

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 18.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

3D058841B  
3D066341

**Cooling [60 Hz, 230 V]**

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	7.00	—	—	—	7.00	5.50 ~ 7.60	500	330 ~ 560	2.3	1.5 ~ 2.5	96
09	Wall	—	—	—	9.00	—	—	—	9.00	5.50 ~ 9.30	750	330 ~ 780	3.4	1.5 ~ 3.5	96
09	Duct	—	—	—	8.00	—	—	—	8.00	5.00 ~ 8.00	830	390 ~ 830	3.8	1.8 ~ 3.8	96
07+07	Wall	Wall	—	—	7.00	7.00	—	—	14.00	6.70 ~ 15.00	920	350 ~ 1020	4.0	1.5 ~ 4.5	99
07+09	Wall	Wall	—	—	7.00	9.00	—	—	16.00	6.70 ~ 17.00	1150	350 ~ 1280	5.1	1.5 ~ 5.6	99
07+09	Wall	Duct	—	—	6.56	8.44	—	—	15.00	6.40 ~ 15.50	1260	420 ~ 1330	5.5	1.8 ~ 5.8	99
09+09	Wall	Wall	—	—	9.00	9.00	—	—	18.00	6.70 ~ 19.00	1420	350 ~ 1700	6.2	1.5 ~ 7.5	99
09+09	Wall	Duct	—	—	8.50	8.50	—	—	17.00	6.40 ~ 17.50	1600	420 ~ 1750	7.0	1.8 ~ 7.7	99
09+09	Duct	Duct	—	—	8.00	8.00	—	—	16.00	6.10 ~ 16.10	1760	490 ~ 1800	7.7	2.2 ~ 7.9	99

**Heating [60 Hz, 230 V]**

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	—	—	A room	B room	—	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	8.60	—	—	—	8.60	5.90 ~ 9.20	660	440 ~ 710	2.9	2.0 ~ 3.1	98
09	Wall	—	—	—	11.00	—	—	—	11.00	5.90 ~ 11.80	910	440 ~ 980	4.0	2.0 ~ 4.3	98
09	Duct	—	—	—	11.00	—	—	—	11.00	5.60 ~ 11.50	980	490 ~ 1050	4.3	2.2 ~ 4.7	98
07+07	Wall	Wall	—	—	8.60	8.60	—	—	17.20	8.20 ~ 18.80	1290	530 ~ 1430	5.7	2.3 ~ 6.3	99
07+09	Wall	Wall	—	—	8.58	11.02	—	—	19.60	8.20 ~ 21.40	1550	530 ~ 1710	6.8	2.3 ~ 7.5	99
07+09	Wall	Duct	—	—	8.58	11.02	—	—	19.60	8.10 ~ 21.00	1670	580 ~ 1890	7.3	2.5 ~ 8.3	99
09+09	Wall	Wall	—	—	11.00	11.00	—	—	22.00	8.20 ~ 24.00	1880	530 ~ 1970	8.3	2.3 ~ 8.7	99
09+09	Wall	Duct	—	—	11.00	11.00	—	—	22.00	8.10 ~ 23.60	2080	580 ~ 2130	9.1	2.5 ~ 9.4	99
09+09	Duct	Duct	—	—	11.00	11.00	—	—	22.00	8.00 ~ 23.20	2190	640 ~ 2290	9.6	2.8 ~ 10.1	99

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 18.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

3D058841B  
3D066341

### 3.4 Combination Capacity: 3MXS24JVJU

1

Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.3	2.9 ~ 3.3	98
09	Wall	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	4.0	2.9 ~ 4.0	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	4.3	3.0 ~ 4.3	98
12	Wall	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.5	2.9 ~ 5.5	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.7	3.0 ~ 5.7	98
15	Wall	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	7.0	2.9 ~ 7.0	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	7.4	3.6 ~ 7.4	98
18	Wall	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	9.6	3.1 ~ 9.6	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	9.6	3.7 ~ 9.6	98
07+07	Wall	Wall	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	6.4	3.0 ~ 6.4	98
07+09	Wall	Wall	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	7.3	3.0 ~ 7.3	98
07+09	Wall	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	7.0	3.2 ~ 7.0	98
07+12	Wall	Wall	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	9.3	3.0 ~ 9.3	98
07+12	Wall	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	9.2	3.2 ~ 9.2	98
07+15	Wall	Wall	—	—	6.80	17.00	—	—	23.80	9.30 ~ 23.80	2190	680 ~ 2190	10.7	3.3 ~ 10.7	98
07+15	Wall	Duct	—	—	6.46	16.14	—	—	22.60	9.10 ~ 22.60	2200	810 ~ 2200	10.8	4.0 ~ 10.8	98
07+18	Wall	Wall	—	—	6.00	18.00	—	—	24.00	9.90 ~ 24.70	2240	710 ~ 2360	11.0	3.5 ~ 11.6	98
07+18	Wall	Duct	—	—	5.85	17.55	—	—	23.40	9.60 ~ 23.40	2360	840 ~ 2360	11.6	4.1 ~ 11.6	98
09+09	Wall	Wall	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	8.1	3.0 ~ 8.1	98
09+09	Wall	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	8.0	3.2 ~ 8.0	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	7.5	3.4 ~ 7.5	98
09+12	Wall	Wall	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	10.6	3.2 ~ 10.6	98
09+12	Wall	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Wall	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	10.0	3.5 ~ 10.0	98
09+15	Wall	Wall	—	—	8.00	16.00	—	—	24.00	9.90 ~ 24.40	2240	710 ~ 2300	11.0	3.5 ~ 11.3	98
09+15	Wall	Duct	—	—	7.73	15.47	—	—	23.20	9.60 ~ 23.20	2300	840 ~ 2300	11.3	4.1 ~ 11.3	98
09+15	Duct	Wall	—	—	8.00	16.00	—	—	24.00	9.40 ~ 24.00	2480	750 ~ 2480	12.2	3.7 ~ 12.2	98
09+15	Duct	Duct	—	—	7.63	15.27	—	—	22.90	9.20 ~ 22.90	2490	880 ~ 2490	12.2	4.3 ~ 12.2	98
09+18	Wall	Wall	—	—	7.06	16.94	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	11.0	3.5 ~ 12.1	98
09+18	Wall	Duct	—	—	7.06	16.94	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	12.1	4.1 ~ 12.1	98
09+18	Duct	Wall	—	—	7.06	16.94	—	—	24.00	9.50 ~ 24.70	2490	750 ~ 2660	12.2	3.7 ~ 13.0	98
09+18	Duct	Duct	—	—	6.91	16.59	—	—	23.50	9.20 ~ 23.50	2650	880 ~ 2650	13.0	4.3 ~ 13.0	98
12+12	Wall	Wall	—	—	12.00	12.00	—	—	24.00	8.90 ~ 24.00	2440	670 ~ 2440	12.0	3.3 ~ 12.0	98
12+12	Duct	Wall	—	—	11.85	11.85	—	—	23.70	8.50 ~ 23.70	2680	710 ~ 2680	13.1	3.5 ~ 13.1	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	14.1	3.7 ~ 14.1	98
12+15	Wall	Wall	—	—	9.88	14.12	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	11.0	3.5 ~ 12.1	98
12+15	Wall	Duct	—	—	9.88	14.12	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	12.1	4.1 ~ 12.1	98
12+15	Duct	Wall	—	—	9.88	14.12	—	—	24.00	9.40 ~ 24.40	2480	750 ~ 2600	12.2	3.7 ~ 12.8	98
12+15	Duct	Duct	—	—	9.59	13.71	—	—	23.30	9.20 ~ 23.30	2600	880 ~ 2600	12.8	4.3 ~ 12.8	98
12+18	Wall	Wall	—	—	8.84	15.16	—	—	24.00	12.90 ~ 25.80	2240	900 ~ 2650	11.0	4.4 ~ 13.0	98
12+18	Wall	Duct	—	—	8.84	15.16	—	—	24.00	12.50 ~ 24.50	2470	1030 ~ 2580	12.1	5.1 ~ 12.7	98
12+18	Duct	Wall	—	—	8.84	15.16	—	—	24.00	12.40 ~ 25.00	2490	940 ~ 2720	12.2	4.6 ~ 13.3	98
12+18	Duct	Duct	—	—	8.77	15.03	—	—	23.80	11.90 ~ 23.80	2710	1060 ~ 2710	13.3	5.2 ~ 13.3	98
15+15	Wall	Wall	—	—	12.00	12.00	—	—	24.00	13.40 ~ 26.20	2100	910 ~ 2550	10.3	4.5 ~ 12.5	98
15+15	Duct	Wall	—	—	12.00	12.00	—	—	24.00	13.10 ~ 25.20	2270	1030 ~ 2550	11.1	5.1 ~ 12.5	98
15+15	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 24.60	2550	1160 ~ 2670	12.5	5.7 ~ 13.1	98
15+18	Wall	Wall	—	—	10.91	13.09	—	—	24.00	13.50 ~ 26.90	2050	910 ~ 2680	10.1	4.5 ~ 13.1	98
15+18	Wall	Duct	—	—	10.91	13.09	—	—	24.00	13.10 ~ 25.60	2270	1030 ~ 2670	11.1	5.1 ~ 13.1	98
15+18	Duct	Wall	—	—	10.91	13.09	—	—	24.00	13.20 ~ 25.60	2280	1030 ~ 2610	11.2	5.1 ~ 12.8	98
15+18	Duct	Duct	—	—	10.91	13.09	—	—	24.00	12.80 ~ 25.00	2550	1160 ~ 2720	12.5	5.7 ~ 13.3	98
18+18	Wall	Wall	—	—	12.00	12.00	—	—	24.00	13.50 ~ 27.60	2050	910 ~ 2860	10.1	4.5 ~ 14.0	98
18+18	Duct	Wall	—	—	12.00	12.00	—	—	24.00	13.20 ~ 26.40	2280	1030 ~ 2850	11.2	5.1 ~ 14.0	98
18+18	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 25.80	2550	1160 ~ 2960	12.5	5.7 ~ 14.5	98
07+07+07	Wall	Wall	Wall	—	7.77	7.77	7.77	—	23.30	9.50 ~ 23.30	1810	640 ~ 1810	8.9	3.1 ~ 8.9	98
07+07+09	Wall	Wall	Wall	—	7.26	7.26	9.08	—	23.60	10.10 ~ 23.60	1860	670 ~ 1860	9.1	3.3 ~ 9.1	98
07+07+09	Wall	Wall	Duct	—	7.08	7.08	8.84	—	23.00	9.80 ~ 23.00	1940	720 ~ 1940	9.5	3.5 ~ 9.5	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+07+12	Wall	Wall	Wall	—	6.40	6.40	11.20	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	9.4	3.4 ~ 9.7	98
07+07+12	Wall	Wall	Duct	—	6.40	6.40	11.20	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	10.3	3.7 ~ 10.3	98
07+07+15	Wall	Wall	Wall	—	5.33	5.33	13.34	—	24.00	14.50 ~ 25.50	1820	910 ~ 2030	8.9	4.5 ~ 10.0	98
07+07+15	Wall	Wall	Duct	—	5.33	5.33	13.34	—	24.00	14.20 ~ 24.40	2000	1040 ~ 2050	9.8	5.1 ~ 10.1	98
07+07+18	Wall	Wall	Wall	—	4.80	4.80	14.40	—	24.00	14.60 ~ 26.20	1830	910 ~ 2140	9.0	4.5 ~ 10.5	98
07+07+18	Wall	Wall	Duct	—	4.80	4.80	14.40	—	24.00	14.20 ~ 25.10	2000	1040 ~ 2160	9.8	5.1 ~ 10.6	98
07+09+09	Wall	Wall	Wall	—	6.86	8.57	8.57	—	24.00	10.10 ~ 24.00	1910	670 ~ 1910	9.4	3.3 ~ 9.4	98
07+09+09	Wall	Wall	Duct	—	6.78	8.46	8.46	—	23.70	9.80 ~ 23.70	2050	720 ~ 2050	10.1	3.5 ~ 10.1	98
07+09+09	Wall	Duct	Duct	—	6.68	8.36	8.36	—	23.40	9.50 ~ 23.40	2180	770 ~ 2180	10.7	3.8 ~ 10.7	98
07+09+12	Wall	Wall	Wall	—	6.00	7.50	10.50	—	24.00	10.70 ~ 24.70	1910	700 ~ 2020	9.4	3.4 ~ 9.9	98
07+09+12	Wall	Wall	Duct	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	10.3	3.7 ~ 10.5	98
07+09+12	Wall	Duct	Wall	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	10.3	3.7 ~ 10.5	98
07+09+12	Wall	Duct	Duct	—	6.00	7.50	10.50	—	24.00	10.00 ~ 24.00	2280	800 ~ 2280	11.2	3.9 ~ 11.2	98
07+09+15	Wall	Wall	Wall	—	5.05	6.32	12.63	—	24.00	14.50 ~ 25.80	1820	910 ~ 2090	8.9	4.5 ~ 10.3	98
07+09+15	Wall	Wall	Duct	—	5.05	6.32	12.63	—	24.00	14.20 ~ 24.80	2000	1040 ~ 2100	9.8	5.1 ~ 10.3	98
07+09+15	Wall	Duct	Wall	—	5.05	6.32	12.63	—	24.00	14.10 ~ 25.40	1960	950 ~ 2170	9.6	4.7 ~ 10.6	98
07+09+15	Wall	Duct	Duct	—	5.05	6.32	12.63	—	24.00	13.80 ~ 24.40	2180	1080 ~ 2240	10.7	5.3 ~ 11.0	98
07+09+18	Wall	Wall	Wall	—	4.57	5.71	13.72	—	24.00	14.60 ~ 26.50	1830	910 ~ 2200	9.0	4.5 ~ 10.8	98
07+09+18	Wall	Wall	Duct	—	4.57	5.71	13.72	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	9.8	5.1 ~ 10.8	98
07+09+18	Wall	Duct	Wall	—	4.57	5.71	13.72	—	24.00	14.10 ~ 26.10	1960	950 ~ 2280	9.6	4.7 ~ 11.2	98
07+09+18	Wall	Duct	Duct	—	4.57	5.71	13.72	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	10.7	5.3 ~ 11.2	98
07+12+12	Wall	Wall	Wall	—	5.34	9.33	9.33	—	24.00	14.00 ~ 25.50	1910	910 ~ 2180	9.4	4.5 ~ 10.7	98
07+12+12	Wall	Wall	Duct	—	5.34	9.33	9.33	—	24.00	13.60 ~ 25.00	2100	950 ~ 2260	10.3	4.7 ~ 11.1	98
07+12+12	Wall	Duct	Duct	—	5.34	9.33	9.33	—	24.00	13.00 ~ 24.50	2280	990 ~ 2400	11.2	4.9 ~ 11.8	98
07+12+15	Wall	Wall	Wall	—	4.57	8.00	11.43	—	24.00	14.50 ~ 26.50	1820	910 ~ 2200	8.9	4.5 ~ 10.8	98
07+12+15	Wall	Wall	Duct	—	4.57	8.00	11.43	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	9.8	5.1 ~ 10.8	98
07+12+15	Wall	Duct	Wall	—	4.57	8.00	11.43	—	24.00	14.10 ~ 26.10	1960	950 ~ 2340	9.6	4.7 ~ 11.5	98
07+12+15	Wall	Duct	Duct	—	4.57	8.00	11.43	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	10.7	5.3 ~ 11.2	98
07+12+18	Wall	Wall	Wall	—	4.17	7.30	12.53	—	24.00	14.60 ~ 27.30	1830	910 ~ 2370	9.0	4.5 ~ 11.6	98
07+12+18	Wall	Wall	Duct	—	4.17	7.30	12.53	—	24.00	14.20 ~ 26.80	2000	1040 ~ 2490	9.8	5.1 ~ 12.2	98
07+12+18	Wall	Duct	Wall	—	4.17	7.30	12.53	—	24.00	14.10 ~ 26.80	1960	950 ~ 2450	9.6	4.7 ~ 12.0	98
07+12+18	Wall	Duct	Duct	—	4.17	7.30	12.53	—	24.00	13.80 ~ 26.00	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
07+15+15	Wall	Wall	Wall	—	4.00	10.00	10.00	—	24.00	14.90 ~ 27.60	1730	900 ~ 2330	8.5	4.4 ~ 11.4	98
07+15+15	Wall	Wall	Duct	—	4.00	10.00	10.00	—	24.00	14.70 ~ 27.20	1910	1030 ~ 2450	9.4	5.1 ~ 12.0	98
07+15+15	Wall	Duct	Duct	—	4.00	10.00	10.00	—	24.00	14.40 ~ 26.80	2080	1170 ~ 2570	10.2	5.7 ~ 12.6	98
09+09+09	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	9.4	3.4 ~ 9.7	98
09+09+09	Wall	Wall	Duct	—	8.00	8.00	8.00	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	10.3	3.7 ~ 10.3	98
09+09+09	Wall	Duct	Duct	—	7.90	7.90	7.90	—	23.70	10.00 ~ 23.70	2230	800 ~ 2230	10.9	3.9 ~ 10.9	98
09+09+09	Duct	Duct	Duct	—	7.83	7.83	7.83	—	23.50	9.60 ~ 23.50	2410	840 ~ 2410	11.8	4.1 ~ 11.8	98
09+09+12	Wall	Wall	Wall	—	7.06	7.06	9.88	—	24.00	10.70 ~ 25.00	1910	700 ~ 2070	9.4	3.4 ~ 10.2	98
09+09+12	Wall	Wall	Duct	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	10.3	3.7 ~ 10.8	98
09+09+12	Wall	Duct	Wall	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	10.3	3.7 ~ 10.8	98
09+09+12	Wall	Duct	Duct	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	11.2	3.9 ~ 11.5	98
09+09+12	Duct	Duct	Wall	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	11.2	3.9 ~ 11.5	98
09+09+12	Duct	Duct	Duct	—	7.06	7.06	9.88	—	24.00	9.60 ~ 24.00	2530	840 ~ 2530	12.4	4.1 ~ 12.4	98
09+09+15	Wall	Wall	Wall	—	6.00	6.00	12.00	—	24.00	14.50 ~ 26.20	1820	910 ~ 2140	8.9	4.5 ~ 10.5	98
09+09+15	Wall	Wall	Duct	—	6.00	6.00	12.00	—	24.00	14.20 ~ 25.70	2000	1040 ~ 2260	9.8	5.1 ~ 11.1	98
09+09+15	Wall	Duct	Wall	—	6.00	6.00	12.00	—	24.00	14.10 ~ 25.80	1960	950 ~ 2280	9.6	4.7 ~ 11.2	98
09+09+15	Wall	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.80 ~ 25.40	2180	1080 ~ 2400	10.7	5.3 ~ 11.8	98
09+09+15	Duct	Duct	Wall	—	6.00	6.00	12.00	—	24.00	13.60 ~ 25.40	2140	1000 ~ 2360	10.5	4.9 ~ 11.6	98
09+09+15	Duct	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.30 ~ 24.80	2320	1120 ~ 2480	11.4	5.5 ~ 12.2	98
09+09+18	Wall	Wall	Wall	—	5.45	5.45	13.10	—	24.00	14.60 ~ 26.90	1830	910 ~ 2310	9.0	4.5 ~ 11.3	98
09+09+18	Wall	Wall	Duct	—	5.45	5.45	13.10	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	9.8	5.1 ~ 11.9	98
09+09+18	Wall	Duct	Wall	—	5.45	5.45	13.10	—	24.00	14.10 ~ 26.50	1960	950 ~ 2400	9.6	4.7 ~ 11.8	98
09+09+18	Wall	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.80 ~ 25.90	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+09+18	Duct	Duct	Wall	—	5.45	5.45	13.10	—	24.00	13.60 ~ 25.90	2090	1000 ~ 2480	10.3	4.9 ~ 12.2	98
09+09+18	Duct	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.30 ~ 25.30	2320	1120 ~ 2590	11.4	5.5 ~ 12.7	98
09+12+12	Wall	Wall	Wall	—	6.32	8.84	8.84	—	24.00	14.00 ~ 25.80	1910	910 ~ 2240	9.4	4.5 ~ 11.0	98
09+12+12	Wall	Wall	Duct	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	10.3	4.0 ~ 11.4	98
09+12+12	Wall	Duct	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	11.2	4.2 ~ 12.0	98
09+12+12	Duct	Wall	Wall	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	10.3	4.0 ~ 11.4	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+12+12	Duct	Wall	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	11.2	4.2 ~ 12.0	98
09+12+12	Duct	Duct	Duct	—	6.32	8.84	8.84	—	24.00	10.60 ~ 24.20	2530	900 ~ 2530	12.4	4.4 ~ 12.4	98
09+12+15	Wall	Wall	Wall	—	5.45	7.64	10.91	—	24.00	14.50 ~ 26.90	1820	910 ~ 2310	8.9	4.5 ~ 11.3	98
09+12+15	Wall	Wall	Duct	—	5.45	7.64	10.91	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	9.8	5.1 ~ 11.9	98
09+12+15	Wall	Duct	Wall	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	9.6	4.7 ~ 11.7	98
09+12+15	Wall	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+12+15	Duct	Wall	Wall	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	9.6	4.7 ~ 11.7	98
09+12+15	Duct	Wall	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	10.7	5.3 ~ 12.3	98
09+12+15	Duct	Duct	Wall	—	5.45	7.64	10.91	—	24.00	13.60 ~ 25.80	2140	1000 ~ 2480	10.5	4.9 ~ 12.2	98
09+12+15	Duct	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.30 ~ 25.20	2320	1120 ~ 2590	11.4	5.5 ~ 12.7	98
09+12+18	Wall	Wall	Wall	—	5.00	7.00	12.00	—	24.00	14.60 ~ 27.60	1830	910 ~ 2430	9.0	4.5 ~ 11.9	98
09+12+18	Wall	Wall	Duct	—	5.00	7.00	12.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	9.8	5.1 ~ 12.5	98
09+12+18	Wall	Duct	Wall	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
09+12+18	Wall	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
09+12+18	Duct	Wall	Wall	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
09+12+18	Duct	Wall	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
09+12+18	Duct	Duct	Wall	—	5.00	7.00	12.00	—	24.00	13.60 ~ 26.40	2090	1000 ~ 2590	10.3	4.9 ~ 12.7	98
09+12+18	Duct	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	11.4	5.5 ~ 13.3	98
09+15+15	Wall	Wall	Wall	—	4.80	9.60	9.60	—	24.00	14.90 ~ 28.00	1730	900 ~ 2390	8.5	4.4 ~ 11.7	98
09+15+15	Wall	Wall	Duct	—	4.80	9.60	9.60	—	24.00	14.70 ~ 27.50	1910	1030 ~ 2510	9.4	5.1 ~ 12.3	98
09+15+15	Wall	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.40 ~ 27.10	2080	1170 ~ 2630	10.2	5.7 ~ 12.9	98
09+15+15	Duct	Wall	Wall	—	4.80	9.60	9.60	—	24.00	14.50 ~ 27.50	1870	950 ~ 2470	9.2	4.7 ~ 12.1	98
09+15+15	Duct	Wall	Duct	—	4.80	9.60	9.60	—	24.00	14.30 ~ 27.10	2040	1080 ~ 2590	10.0	5.3 ~ 12.7	98
09+15+15	Duct	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.00 ~ 26.70	2220	1210 ~ 2710	10.9	5.9 ~ 13.3	98
12+12+12	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	14.00 ~ 26.50	1910	910 ~ 2350	9.4	4.5 ~ 11.5	98
12+12+12	Wall	Wall	Duct	—	8.00	8.00	8.00	—	24.00	11.50 ~ 25.90	2100	820 ~ 2430	10.3	4.0 ~ 11.9	98
12+12+12	Wall	Duct	Duct	—	8.00	8.00	8.00	—	24.00	11.00 ~ 25.50	2280	860 ~ 2620	11.2	4.2 ~ 12.9	98
12+12+12	Duct	Duct	Duct	—	8.00	8.00	8.00	—	24.00	10.60 ~ 24.70	2530	900 ~ 2700	12.4	4.4 ~ 13.2	98
12+12+15	Wall	Wall	Wall	—	7.00	7.00	10.00	—	24.00	14.50 ~ 27.60	1820	910 ~ 2430	8.9	4.5 ~ 11.9	98
12+12+15	Wall	Wall	Duct	—	7.00	7.00	10.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	9.8	5.1 ~ 12.5	98
12+12+15	Wall	Duct	Wall	—	7.00	7.00	10.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	9.6	4.7 ~ 12.3	98
12+12+15	Wall	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.80 ~ 26.30	2180	1080 ~ 2630	10.7	5.3 ~ 12.9	98
12+12+15	Duct	Duct	Wall	—	7.00	7.00	10.00	—	24.00	13.60 ~ 26.30	2140	1000 ~ 2590	10.5	4.9 ~ 12.7	98
12+12+15	Duct	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	11.4	5.5 ~ 13.3	98

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).  
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  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07	Wall	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	5.2	3.7 ~ 5.6	98	
09	Wall	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	6.4	3.7 ~ 6.9	98	
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.7	4.1 ~ 7.3	98	
12	Wall	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	8.5	3.7 ~ 9.1	98	
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	8.7	4.1 ~ 9.3	98	
15	Wall	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	9.7	3.4 ~ 10.7	98	
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	10.5	4.2 ~ 11.1	98	
18	Wall	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	11.9	3.3 ~ 13.6	98	
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	11.1	4.2 ~ 11.4	98	
07+07	Wall	Wall	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.00	1580	630 ~ 1720	7.8	3.1 ~ 8.4	98	
07+09	Wall	Wall	—	—	8.89	11.11	—	—	20.00	4.90 ~ 21.70	1820	630 ~ 2060	8.9	3.1 ~ 10.1	98	
07+09	Wall	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.20	1910	690 ~ 2160	9.4	3.4 ~ 10.6	98	
07+12	Wall	Wall	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.70	2310	630 ~ 2630	11.3	3.1 ~ 12.9	98	
07+12	Wall	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	11.9	3.4 ~ 13.3	98	
07+15	Wall	Wall	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	12.8	3.2 ~ 14.9	98	
07+15	Wall	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 29.10	2900	810 ~ 3300	14.2	4.0 ~ 16.2	98	
07+18	Wall	Wall	—	—	7.50	22.50	—	—	30.00	7.10 ~ 30.40	2990	700 ~ 3100	14.7	3.4 ~ 15.2	98	
07+18	Wall	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 29.70	3360	880 ~ 3420	16.5	4.3 ~ 16.8	98	
09+09	Wall	Wall	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	10.6	3.1 ~ 11.9	98	
09+09	Wall	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	11.1	3.4 ~ 12.2	98	
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	12.0	3.8 ~ 12.8	98	
09+12	Wall	Wall	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	13.2	3.1 ~ 15.5	98	
09+12	Wall	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98	
09+12	Duct	Wall	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98	
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	14.2	3.8 ~ 15.7	98	
09+15	Wall	Wall	—	—	10.00	20.00	—	—	30.00	7.20 ~ 30.20	3090	710 ~ 3090	15.2	3.5 ~ 15.2	98	
09+15	Wall	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 29.50	3420	880 ~ 3360	16.8	4.3 ~ 16.5	98	
09+15	Duct	Wall	—	—	9.77	19.53	—	—	29.30	7.20 ~ 29.50	3160	780 ~ 3220	15.5	3.8 ~ 15.8	98	
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 29.00	3500	960 ~ 3500	17.2	4.7 ~ 17.2	98	
09+18	Wall	Wall	—	—	8.82	21.18	—	—	30.00	7.10 ~ 30.50	3100	700 ~ 3100	15.2	3.4 ~ 15.2	98	
09+18	Wall	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 30.00	3480	880 ~ 3480	17.1	4.3 ~ 17.1	98	
09+18	Duct	Wall	—	—	8.76	21.04	—	—	29.80	7.20 ~ 30.20	3170	770 ~ 3280	15.6	3.8 ~ 16.1	98	
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 29.70	3560	960 ~ 3690	17.5	4.7 ~ 18.1	98	
12+12	Wall	Wall	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.00	3510	700 ~ 3510	17.2	3.4 ~ 17.2	98	
12+12	Duct	Wall	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	16.4	3.8 ~ 16.4	98	
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	15.7	4.2 ~ 15.7	98	
12+15	Wall	Wall	—	—	12.35	17.65	—	—	30.00	7.20 ~ 30.50	3090	710 ~ 3210	15.2	3.5 ~ 15.7	98	
12+15	Wall	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 30.30	3420	880 ~ 3540	16.8	4.3 ~ 17.4	98	
12+15	Duct	Wall	—	—	12.27	17.53	—	—	29.80	7.20 ~ 30.30	3280	780 ~ 3400	16.1	3.8 ~ 16.7	98	
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.00	3630	960 ~ 3750	17.8	4.7 ~ 18.4	98	
12+18	Wall	Wall	—	—	11.05	18.95	—	—	30.00	10.00 ~ 30.90	2990	860 ~ 3210	14.7	4.2 ~ 15.7	98	
12+18	Wall	Duct	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3360	1060 ~ 3540	16.5	5.2 ~ 17.4	98	
12+18	Duct	Wall	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3230	940 ~ 3280	15.8	4.6 ~ 16.1	98	
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 29.60	3630	1150 ~ 3690	17.8	5.6 ~ 18.1	98	
15+15	Wall	Wall	—	—	15.00	15.00	—	—	30.00	9.90 ~ 31.10	2760	810 ~ 2970	13.5	4.0 ~ 14.6	98	
15+15	Duct	Wall	—	—	15.00	15.00	—	—	30.00	10.00 ~ 30.60	3040	980 ~ 3200	14.9	4.8 ~ 15.7	98	
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 30.20	3340	1160 ~ 3510	16.4	5.7 ~ 17.2	98	
15+18	Wall	Wall	—	—	13.64	16.36	—	—	30.00	12.10 ~ 31.50	2730	930 ~ 2990	13.4	4.6 ~ 14.7	98	
15+18	Wall	Duct	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	3040	1120 ~ 3260	14.9	5.5 ~ 16.0	98	
15+18	Duct	Wall	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	2990	1110 ~ 3210	14.7	5.4 ~ 15.7	98	
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 30.50	3340	1310 ~ 3570	16.4	6.4 ~ 17.5	98	
18+18	Wall	Wall	—	—	15.00	15.00	—	—	30.00	12.10 ~ 31.80	2690	920 ~ 3010	13.2	4.5 ~ 14.8	98	
18+18	Duct	Wall	—	—	15.00	15.00	—	—	30.00	12.20 ~ 31.10	2990	1110 ~ 3270	14.7	5.4 ~ 16.0	98	
18+18	Duct	Duct	—	—	15.00	15.00	—	—	30.00	12.30 ~ 30.70	3340	1310 ~ 3630	16.4	6.4 ~ 17.8	98	
07+07+07	Wall	Wall	Wall	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	10.6	2.7 ~ 12.1	98	
07+07+09	Wall	Wall	Wall	—	8.86	8.86	11.08	—	28.80	5.80 ~ 29.20	2510	600 ~ 2560	12.3	2.9 ~ 12.6	98	
07+07+09	Wall	Wall	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 28.50	2590	660 ~ 2590	12.7	3.2 ~ 12.7	98	
07+07+12	Wall	Wall	Wall	—	8.00	8.00	14.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	13.3	3.2 ~ 13.3	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+07+12	Wall	Wall	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 30.00	2850	720 ~ 2850	14.0	3.5 ~ 14.0	98
07+07+15	Wall	Wall	Wall	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.70	2520	760 ~ 2610	12.4	3.7 ~ 12.8	98
07+07+15	Wall	Wall	Duct	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.20	2740	920 ~ 2790	13.4	4.5 ~ 13.7	98
07+07+18	Wall	Wall	Wall	—	6.00	6.00	18.00	—	30.00	9.70 ~ 31.10	2500	750 ~ 2690	12.3	3.7 ~ 13.2	98
07+07+18	Wall	Wall	Duct	—	6.00	6.00	18.00	—	30.00	9.80 ~ 30.80	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+09+09	Wall	Wall	Wall	—	8.58	10.71	10.71	—	30.00	5.80 ~ 30.00	2710	600 ~ 2710	13.3	2.9 ~ 13.3	98
07+09+09	Wall	Wall	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 30.00	2850	660 ~ 2850	14.0	3.2 ~ 14.0	98
07+09+09	Wall	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 29.50	2950	720 ~ 2950	14.5	3.5 ~ 14.5	98
07+09+12	Wall	Wall	Wall	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.40	2710	650 ~ 2760	13.3	3.2 ~ 13.5	98
07+09+12	Wall	Wall	Duct	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
07+09+12	Wall	Duct	Wall	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
07+09+12	Wall	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 29.80	3010	790 ~ 3010	14.8	3.9 ~ 14.8	98
07+09+15	Wall	Wall	Wall	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.90	2520	760 ~ 2660	12.4	3.7 ~ 13.0	98
07+09+15	Wall	Wall	Duct	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2740	920 ~ 2840	13.4	4.5 ~ 13.9	98
07+09+15	Wall	Duct	Wall	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2630	820 ~ 2730	12.9	4.0 ~ 13.4	98
07+09+15	Wall	Duct	Duct	—	6.32	7.89	15.79	—	30.00	9.90 ~ 30.00	2870	980 ~ 2920	14.1	4.8 ~ 14.3	98
07+09+18	Wall	Wall	Wall	—	5.71	7.14	17.15	—	30.00	9.70 ~ 31.30	2500	750 ~ 2690	12.3	3.7 ~ 13.2	98
07+09+18	Wall	Wall	Duct	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+09+18	Wall	Duct	Wall	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2600	820 ~ 2750	12.8	4.0 ~ 13.5	98
07+09+18	Wall	Duct	Duct	—	5.71	7.14	17.15	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
07+12+12	Wall	Wall	Wall	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.70	2710	800 ~ 2810	13.3	3.9 ~ 13.8	98
07+12+12	Wall	Wall	Duct	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.30	2850	870 ~ 2900	14.0	4.3 ~ 14.2	98
07+12+12	Wall	Duct	Duct	—	6.66	11.67	11.67	—	30.00	10.00 ~ 30.00	3060	950 ~ 3060	15.0	4.7 ~ 15.0	98
07+12+15	Wall	Wall	Wall	—	5.71	10.00	14.29	—	30.00	9.80 ~ 31.30	2520	760 ~ 2710	12.4	3.7 ~ 13.3	98
07+12+15	Wall	Wall	Duct	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
07+12+15	Wall	Duct	Wall	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2630	820 ~ 2780	12.9	4.0 ~ 13.6	98
07+12+15	Wall	Duct	Duct	—	5.71	10.00	14.29	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
07+12+18	Wall	Wall	Wall	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.60	2500	870 ~ 2740	12.3	4.3 ~ 13.4	98
07+12+18	Wall	Wall	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 31.30	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98
07+12+18	Wall	Duct	Wall	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.30	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98
07+12+18	Wall	Duct	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 30.90	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
07+15+15	Wall	Wall	Wall	—	5.00	12.50	12.50	—	30.00	11.90 ~ 31.80	2440	850 ~ 2680	12.0	4.2 ~ 13.1	98
07+15+15	Wall	Wall	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.40	2610	990 ~ 2810	12.8	4.9 ~ 13.8	98
07+15+15	Wall	Duct	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.00	2820	1150 ~ 3020	13.8	5.6 ~ 14.8	98
09+09+09	Wall	Wall	Wall	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	13.3	3.2 ~ 13.3	98
09+09+09	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.00	2850	720 ~ 2850	14.0	3.5 ~ 14.0	98
09+09+09	Wall	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 29.70	2950	790 ~ 3010	14.5	3.9 ~ 14.8	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 29.20	3070	860 ~ 3130	15.1	4.2 ~ 15.4	98
09+09+12	Wall	Wall	Wall	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.50	2710	650 ~ 2810	13.3	3.2 ~ 13.8	98
09+09+12	Wall	Wall	Duct	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
09+09+12	Wall	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	14.0	3.5 ~ 14.2	98
09+09+12	Wall	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	15.0	3.9 ~ 15.0	98
09+09+12	Duct	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	15.0	3.9 ~ 15.0	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 29.70	3180	860 ~ 3240	15.6	4.2 ~ 15.9	98
09+09+15	Wall	Wall	Wall	—	7.50	7.50	15.00	—	30.00	9.80 ~ 31.10	2520	760 ~ 2710	12.4	3.7 ~ 13.3	98
09+09+15	Wall	Wall	Duct	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2740	920 ~ 2890	13.4	4.5 ~ 14.2	98
09+09+15	Wall	Duct	Wall	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2630	820 ~ 2730	12.9	4.0 ~ 13.4	98
09+09+15	Wall	Duct	Duct	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2870	980 ~ 2970	14.1	4.8 ~ 14.6	98
09+09+15	Duct	Duct	Wall	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2800	890 ~ 2850	13.7	4.4 ~ 14.0	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 30.00	3070	1060 ~ 3120	15.1	5.2 ~ 15.3	98
09+09+18	Wall	Wall	Wall	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.50	2500	870 ~ 2740	12.3	4.3 ~ 13.4	98
09+09+18	Wall	Wall	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98
09+09+18	Wall	Duct	Wall	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.20	2600	930 ~ 2800	12.8	4.6 ~ 13.7	98
09+09+18	Wall	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98
09+09+18	Duct	Duct	Wall	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2770	1000 ~ 2870	13.6	4.9 ~ 14.1	98
09+09+18	Duct	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.20 ~ 30.10	3070	1190 ~ 3120	15.1	5.8 ~ 15.3	98
09+12+12	Wall	Wall	Wall	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.90	2710	800 ~ 2860	13.3	3.9 ~ 14.0	98
09+12+12	Wall	Wall	Duct	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	14.0	4.3 ~ 14.8	98
09+12+12	Wall	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	15.0	4.7 ~ 15.3	98
09+12+12	Duct	Wall	Wall	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	14.0	4.3 ~ 14.8	98
09+12+12	Duct	Wall	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	15.0	4.7 ~ 15.3	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 30.00	3300	1030 ~ 3300	16.2	5.1 ~ 16.2	98	
09+12+15	Wall	Wall	Wall	—	6.82	9.55	13.63	—	30.00	12.00 ~ 31.50	2520	880 ~ 2760	12.4	4.3 ~ 13.5	98	
09+12+15	Wall	Wall	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	13.4	5.1 ~ 14.7	98	
09+12+15	Wall	Duct	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	12.9	4.6 ~ 13.9	98	
09+12+15	Wall	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98	
09+12+15	Duct	Wall	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	12.9	4.6 ~ 13.9	98	
09+12+15	Duct	Wall	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	14.1	5.4 ~ 15.1	98	
09+12+15	Duct	Duct	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2800	1020 ~ 2960	13.7	5.0 ~ 14.5	98	
09+12+15	Duct	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.20 ~ 30.30	3070	1190 ~ 3170	15.1	5.8 ~ 15.6	98	
09+12+18	Wall	Wall	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.80	2500	870 ~ 2790	12.3	4.3 ~ 13.7	98	
09+12+18	Wall	Wall	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	13.4	5.1 ~ 14.9	98	
09+12+18	Wall	Duct	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98	
09+12+18	Wall	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98	
09+12+18	Duct	Wall	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	12.8	4.6 ~ 14.0	98	
09+12+18	Duct	Wall	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98	
09+12+18	Duct	Duct	Wall	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2770	1000 ~ 2920	13.6	4.9 ~ 14.3	98	
09+12+18	Duct	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	15.1	5.8 ~ 15.8	98	
09+15+15	Wall	Wall	Wall	—	6.00	12.00	12.00	—	30.00	11.90 ~ 32.00	2440	850 ~ 2730	12.0	4.2 ~ 13.4	98	
09+15+15	Wall	Wall	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2610	990 ~ 2860	12.8	4.9 ~ 14.0	98	
09+15+15	Wall	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2820	1150 ~ 3070	13.8	5.6 ~ 15.1	98	
09+15+15	Duct	Wall	Wall	—	6.00	12.00	12.00	—	30.00	11.90 ~ 31.50	2510	900 ~ 2760	12.3	4.4 ~ 13.5	98	
09+15+15	Duct	Wall	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2720	1060 ~ 2960	13.3	5.2 ~ 14.5	98	
09+15+15	Duct	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.10 ~ 31.20	2940	1220 ~ 3200	14.4	6.0 ~ 15.7	98	
12+12+12	Wall	Wall	Wall	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.30	2710	800 ~ 2920	13.3	3.9 ~ 14.3	98	
12+12+12	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.00	2850	870 ~ 3060	14.0	4.3 ~ 15.0	98	
12+12+12	Wall	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.00 ~ 30.40	3060	950 ~ 3170	15.0	4.7 ~ 15.6	98	
12+12+12	Duct	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.10 ~ 30.20	3300	1030 ~ 3350	16.2	5.1 ~ 16.4	98	
12+12+15	Wall	Wall	Wall	—	8.75	8.75	12.50	—	30.00	12.00 ~ 31.80	2520	880 ~ 2810	12.4	4.3 ~ 13.8	98	
12+12+15	Wall	Wall	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	13.4	5.1 ~ 14.9	98	
12+12+15	Wall	Duct	Wall	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2630	940 ~ 2930	12.9	4.6 ~ 14.4	98	
12+12+15	Wall	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	14.1	5.4 ~ 15.4	98	
12+12+15	Duct	Duct	Wall	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2800	1020 ~ 3010	13.7	5.0 ~ 14.8	98	
12+12+15	Duct	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	15.1	5.8 ~ 15.8	98	

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature). Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

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Cooling [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBTu/h)				Total capacity (kBTu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
07	Wall	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.0	2.6 ~ 3.0	98	
09	Wall	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	3.6	2.6 ~ 3.6	98	
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	3.9	2.8 ~ 3.9	98	
12	Wall	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.0	2.6 ~ 5.0	98	
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.1	2.8 ~ 5.1	98	
15	Wall	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	6.3	2.7 ~ 6.3	98	
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	6.7	3.2 ~ 6.7	98	
18	Wall	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	8.7	2.8 ~ 8.7	98	
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	8.7	3.3 ~ 8.7	98	
07+07	Wall	Wall	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	5.8	2.8 ~ 5.8	98	
07+09	Wall	Wall	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	6.6	2.8 ~ 6.6	98	
07+09	Wall	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	6.3	2.9 ~ 6.3	98	
07+12	Wall	Wall	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	8.4	2.8 ~ 8.4	98	
07+12	Wall	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	8.3	2.9 ~ 8.3	98	
07+15	Wall	Wall	—	—	6.80	17.00	—	—	23.80	9.30 ~ 23.80	2190	680 ~ 2190	9.7	3.0 ~ 9.7	98	
07+15	Wall	Duct	—	—	6.46	16.14	—	—	22.60	9.10 ~ 22.60	2200	810 ~ 2200	9.8	3.6 ~ 9.8	98	
07+18	Wall	Wall	—	—	6.00	18.00	—	—	24.00	9.90 ~ 24.70	2240	710 ~ 2360	9.9	3.1 ~ 10.5	98	
07+18	Wall	Duct	—	—	5.85	17.55	—	—	23.40	9.60 ~ 23.40	2360	840 ~ 2360	10.5	3.7 ~ 10.5	98	
09+09	Wall	Wall	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	7.4	2.8 ~ 7.4	98	
09+09	Wall	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	7.3	2.9 ~ 7.3	98	
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	6.8	3.1 ~ 6.8	98	
09+12	Wall	Wall	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	9.6	2.9 ~ 9.6	98	
09+12	Wall	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98	
09+12	Duct	Wall	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98	
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	9.1	3.2 ~ 9.1	98	
09+15	Wall	Wall	—	—	8.00	16.00	—	—	24.00	9.90 ~ 24.40	2240	710 ~ 2300	9.9	3.1 ~ 10.2	98	
09+15	Wall	Duct	—	—	7.73	15.47	—	—	23.20	9.60 ~ 23.20	2300	840 ~ 2300	10.2	3.7 ~ 10.2	98	
09+15	Duct	Wall	—	—	8.00	16.00	—	—	24.00	9.40 ~ 24.00	2480	750 ~ 2480	11.0	3.3 ~ 11.0	98	
09+15	Duct	Duct	—	—	7.63	15.27	—	—	22.90	9.20 ~ 22.90	2490	880 ~ 2490	11.0	3.9 ~ 11.0	98	
09+18	Wall	Wall	—	—	7.06	16.94	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	9.9	3.1 ~ 11.0	98	
09+18	Wall	Duct	—	—	7.06	16.94	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	11.0	3.7 ~ 11.0	98	
09+18	Duct	Wall	—	—	7.06	16.94	—	—	24.00	9.50 ~ 24.70	2490	750 ~ 2660	11.0	3.3 ~ 11.8	98	
09+18	Duct	Duct	—	—	6.91	16.59	—	—	23.50	9.20 ~ 23.50	2650	880 ~ 2650	11.8	3.9 ~ 11.8	98	
12+12	Wall	Wall	—	—	12.00	12.00	—	—	24.00	8.90 ~ 24.00	2440	670 ~ 2440	10.8	3.0 ~ 10.8	98	
12+12	Duct	Wall	—	—	11.85	11.85	—	—	23.70	8.50 ~ 23.70	2680	710 ~ 2680	11.9	3.1 ~ 11.9	98	
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	12.7	3.3 ~ 12.7	98	
12+15	Wall	Wall	—	—	9.88	14.12	—	—	24.00	9.90 ~ 25.10	2240	710 ~ 2470	9.9	3.1 ~ 11.0	98	
12+15	Wall	Duct	—	—	9.88	14.12	—	—	24.00	9.60 ~ 24.00	2470	840 ~ 2470	11.0	3.7 ~ 11.0	98	
12+15	Duct	Wall	—	—	9.88	14.12	—	—	24.00	9.40 ~ 24.40	2480	750 ~ 2600	11.0	3.3 ~ 11.5	98	
12+15	Duct	Duct	—	—	9.59	13.71	—	—	23.30	9.20 ~ 23.30	2600	880 ~ 2600	11.5	3.9 ~ 11.5	98	
12+18	Wall	Wall	—	—	8.84	15.16	—	—	24.00	12.90 ~ 25.80	2240	900 ~ 2650	9.9	4.0 ~ 11.8	98	
12+18	Wall	Duct	—	—	8.84	15.16	—	—	24.00	12.50 ~ 24.50	2470	1030 ~ 2580	11.0	4.6 ~ 11.4	98	
12+18	Duct	Wall	—	—	8.84	15.16	—	—	24.00	12.40 ~ 25.00	2490	940 ~ 2720	11.0	4.2 ~ 12.1	98	
12+18	Duct	Duct	—	—	8.77	15.03	—	—	23.80	11.90 ~ 23.80	2710	1060 ~ 2710	12.0	4.7 ~ 12.0	98	
15+15	Wall	Wall	—	—	12.00	12.00	—	—	24.00	13.40 ~ 26.20	2100	910 ~ 2550	9.3	4.0 ~ 11.3	98	
15+15	Duct	Wall	—	—	12.00	12.00	—	—	24.00	13.10 ~ 25.20	2270	1030 ~ 2550	10.1	4.6 ~ 11.3	98	
15+15	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 24.60	2550	1160 ~ 2670	11.3	5.1 ~ 11.8	98	
15+18	Wall	Wall	—	—	10.91	13.09	—	—	24.00	13.50 ~ 26.90	2050	910 ~ 2680	9.1	4.0 ~ 11.9	98	
15+18	Wall	Duct	—	—	10.91	13.09	—	—	24.00	13.10 ~ 25.60	2270	1030 ~ 2670	10.1	4.6 ~ 11.8	98	
15+18	Duct	Wall	—	—	10.91	13.09	—	—	24.00	13.20 ~ 25.60	2280	1030 ~ 2610	10.1	4.6 ~ 11.6	98	
15+18	Duct	Duct	—	—	10.91	13.09	—	—	24.00	12.80 ~ 25.00	2550	1160 ~ 2720	11.3	5.1 ~ 12.1	98	
18+18	Wall	Wall	—	—	12.00	12.00	—	—	24.00	13.50 ~ 27.60	2050	910 ~ 2860	9.1	4.0 ~ 12.7	98	
18+18	Duct	Wall	—	—	12.00	12.00	—	—	24.00	13.20 ~ 26.40	2280	1030 ~ 2850	10.1	4.6 ~ 12.6	98	
18+18	Duct	Duct	—	—	12.00	12.00	—	—	24.00	12.80 ~ 25.80	2550	1160 ~ 2960	11.3	5.1 ~ 13.1	98	
07+07+07	Wall	Wall	Wall	—	7.77	7.77	7.77	—	23.30	9.50 ~ 23.30	1810	640 ~ 1810	8.0	2.8 ~ 8.0	98	
07+07+09	Wall	Wall	Wall	—	7.26	7.26	9.08	—	23.60	10.10 ~ 23.60	1860	670 ~ 1860	8.3	3.0 ~ 8.3	98	
07+07+09	Wall	Wall	Duct	—	7.08	7.08	8.84	—	23.00	9.80 ~ 23.00	1940	720 ~ 1940	8.6	3.2 ~ 8.6	98	
07+07+12	Wall	Wall	Wall	—	6.40	6.40	11.20	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	8.5	3.1 ~ 8.7	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
07+07+12	Wall	Wall	Duct	—	6.40	6.40	11.20	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	9.3	3.3 ~ 9.3	98	
07+07+15	Wall	Wall	Wall	—	5.33	5.33	13.34	—	24.00	14.50 ~ 25.50	1820	910 ~ 2030	8.1	4.0 ~ 9.0	98	
07+07+15	Wall	Wall	Duct	—	5.33	5.33	13.34	—	24.00	14.20 ~ 24.40	2000	1040 ~ 2050	8.9	4.6 ~ 9.1	98	
07+07+18	Wall	Wall	Wall	—	4.80	4.80	14.40	—	24.00	14.60 ~ 26.20	1830	910 ~ 2140	8.1	4.0 ~ 9.5	98	
07+07+18	Wall	Wall	Duct	—	4.80	4.80	14.40	—	24.00	14.20 ~ 25.10	2000	1040 ~ 2160	8.9	4.6 ~ 9.6	98	
07+09+09	Wall	Wall	Wall	—	6.86	8.57	8.57	—	24.00	10.10 ~ 24.00	1910	670 ~ 1910	8.5	3.0 ~ 8.5	98	
07+09+09	Wall	Wall	Duct	—	6.78	8.46	8.46	—	23.70	9.80 ~ 23.70	2050	720 ~ 2050	9.1	3.2 ~ 9.1	98	
07+09+09	Wall	Duct	Duct	—	6.68	8.36	8.36	—	23.40	9.50 ~ 23.40	2180	770 ~ 2180	9.7	3.4 ~ 9.7	98	
07+09+12	Wall	Wall	Wall	—	6.00	7.50	10.50	—	24.00	10.70 ~ 24.70	1910	700 ~ 2020	8.5	3.1 ~ 9.0	98	
07+09+12	Wall	Wall	Duct	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	9.3	3.3 ~ 9.5	98	
07+09+12	Wall	Duct	Wall	—	6.00	7.50	10.50	—	24.00	10.40 ~ 24.30	2100	750 ~ 2150	9.3	3.3 ~ 9.5	98	
07+09+12	Wall	Duct	Duct	—	6.00	7.50	10.50	—	24.00	10.00 ~ 24.00	2280	800 ~ 2280	10.1	3.5 ~ 10.1	98	
07+09+15	Wall	Wall	Wall	—	5.05	6.32	12.63	—	24.00	14.50 ~ 25.80	1820	910 ~ 2090	8.1	4.0 ~ 9.3	98	
07+09+15	Wall	Wall	Duct	—	5.05	6.32	12.63	—	24.00	14.20 ~ 24.80	2000	1040 ~ 2100	8.9	4.6 ~ 9.3	98	
07+09+15	Wall	Duct	Wall	—	5.05	6.32	12.63	—	24.00	14.10 ~ 25.40	1960	950 ~ 2170	8.7	4.2 ~ 9.6	98	
07+09+15	Wall	Duct	Duct	—	5.05	6.32	12.63	—	24.00	13.80 ~ 24.40	2180	1080 ~ 2240	9.7	4.8 ~ 9.9	98	
07+09+18	Wall	Wall	Wall	—	4.57	5.71	13.72	—	24.00	14.60 ~ 26.50	1830	910 ~ 2200	8.1	4.0 ~ 9.8	98	
07+09+18	Wall	Wall	Duct	—	4.57	5.71	13.72	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	8.9	4.6 ~ 9.8	98	
07+09+18	Wall	Duct	Wall	—	4.57	5.71	13.72	—	24.00	14.10 ~ 26.10	1960	950 ~ 2280	8.7	4.2 ~ 10.1	98	
07+09+18	Wall	Duct	Duct	—	4.57	5.71	13.72	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	9.7	4.8 ~ 10.2	98	
07+12+12	Wall	Wall	Wall	—	5.34	9.33	9.33	—	24.00	14.00 ~ 25.50	1910	910 ~ 2180	8.5	4.0 ~ 9.7	98	
07+12+12	Wall	Wall	Duct	—	5.34	9.33	9.33	—	24.00	13.60 ~ 25.00	2100	950 ~ 2260	9.3	4.2 ~ 10.0	98	
07+12+12	Wall	Duct	Duct	—	5.34	9.33	9.33	—	24.00	13.00 ~ 24.50	2280	990 ~ 2400	10.1	4.4 ~ 10.6	98	
07+12+15	Wall	Wall	Wall	—	4.57	8.00	11.43	—	24.00	14.50 ~ 26.50	1820	910 ~ 2200	8.1	4.0 ~ 9.8	98	
07+12+15	Wall	Wall	Duct	—	4.57	8.00	11.43	—	24.00	14.20 ~ 25.30	2000	1040 ~ 2210	8.9	4.6 ~ 9.8	98	
07+12+15	Wall	Duct	Wall	—	4.57	8.00	11.43	—	24.00	14.10 ~ 26.10	1960	950 ~ 2340	8.7	4.2 ~ 10.4	98	
07+12+15	Wall	Duct	Duct	—	4.57	8.00	11.43	—	24.00	13.80 ~ 24.90	2180	1080 ~ 2290	9.7	4.8 ~ 10.2	98	
07+12+18	Wall	Wall	Wall	—	4.17	7.30	12.53	—	24.00	14.60 ~ 27.30	1830	910 ~ 2370	8.1	4.0 ~ 10.5	98	
07+12+18	Wall	Wall	Duct	—	4.17	7.30	12.53	—	24.00	14.20 ~ 26.80	2000	1040 ~ 2490	8.9	4.6 ~ 11.0	98	
07+12+18	Wall	Duct	Wall	—	4.17	7.30	12.53	—	24.00	14.10 ~ 26.80	1960	950 ~ 2450	8.7	4.2 ~ 10.9	98	
07+12+18	Wall	Duct	Duct	—	4.17	7.30	12.53	—	24.00	13.80 ~ 26.00	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98	
07+15+15	Wall	Wall	Wall	—	4.00	10.00	10.00	—	24.00	14.90 ~ 27.60	1730	900 ~ 2330	7.7	4.0 ~ 10.3	98	
07+15+15	Wall	Wall	Duct	—	4.00	10.00	10.00	—	24.00	14.70 ~ 27.20	1910	1030 ~ 2450	8.5	4.6 ~ 10.9	98	
07+15+15	Wall	Duct	Duct	—	4.00	10.00	10.00	—	24.00	14.40 ~ 26.80	2080	1170 ~ 2570	9.2	5.2 ~ 11.4	98	
09+09+09	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	10.70 ~ 24.40	1910	700 ~ 1970	8.5	3.1 ~ 8.7	98	
09+09+09	Wall	Wall	Duct	—	8.00	8.00	8.00	—	24.00	10.40 ~ 24.00	2100	750 ~ 2100	9.3	3.3 ~ 9.3	98	
09+09+09	Wall	Duct	Duct	—	7.90	7.90	7.90	—	23.70	10.00 ~ 23.70	2230	800 ~ 2230	9.9	3.5 ~ 9.9	98	
09+09+09	Duct	Duct	Duct	—	7.83	7.83	7.83	—	23.50	9.60 ~ 23.50	2410	840 ~ 2410	10.7	3.7 ~ 10.7	98	
09+09+12	Wall	Wall	Wall	—	7.06	7.06	9.88	—	24.00	10.70 ~ 25.00	1910	700 ~ 2070	8.5	3.1 ~ 9.2	98	
09+09+12	Wall	Wall	Duct	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	9.3	3.3 ~ 9.8	98	
09+09+12	Wall	Duct	Wall	—	7.06	7.06	9.88	—	24.00	10.40 ~ 24.60	2100	750 ~ 2210	9.3	3.3 ~ 9.8	98	
09+09+12	Wall	Duct	Duct	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	10.1	3.5 ~ 10.4	98	
09+09+12	Duct	Duct	Wall	—	7.06	7.06	9.88	—	24.00	10.00 ~ 24.20	2280	800 ~ 2340	10.1	3.5 ~ 10.4	98	
09+09+12	Duct	Duct	Duct	—	7.06	7.06	9.88	—	24.00	9.60 ~ 24.00	2530	840 ~ 2530	11.2	3.7 ~ 11.2	98	
09+09+15	Wall	Wall	Wall	—	6.00	6.00	12.00	—	24.00	14.50 ~ 26.20	1820	910 ~ 2140	8.1	4.0 ~ 9.5	98	
09+09+15	Wall	Wall	Duct	—	6.00	6.00	12.00	—	24.00	14.20 ~ 25.70	2000	1040 ~ 2260	8.9	4.6 ~ 10.0	98	
09+09+15	Wall	Duct	Wall	—	6.00	6.00	12.00	—	24.00	14.10 ~ 25.80	1960	950 ~ 2280	8.7	4.2 ~ 10.1	98	
09+09+15	Wall	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.80 ~ 25.40	2180	1080 ~ 2400	9.7	4.8 ~ 10.6	98	
09+09+15	Duct	Duct	Wall	—	6.00	6.00	12.00	—	24.00	13.60 ~ 25.40	2140	1000 ~ 2360	9.5	4.4 ~ 10.5	98	
09+09+15	Duct	Duct	Duct	—	6.00	6.00	12.00	—	24.00	13.30 ~ 24.80	2320	1120 ~ 2480	10.3	5.0 ~ 11.0	98	
09+09+18	Wall	Wall	Wall	—	5.45	5.45	13.10	—	24.00	14.60 ~ 26.90	1830	910 ~ 2310	8.1	4.0 ~ 10.2	98	
09+09+18	Wall	Wall	Duct	—	5.45	5.45	13.10	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	8.9	4.6 ~ 10.8	98	
09+09+18	Wall	Duct	Wall	—	5.45	5.45	13.10	—	24.00	14.10 ~ 26.50	1960	950 ~ 2400	8.7	4.2 ~ 10.6	98	
09+09+18	Wall	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.80 ~ 25.90	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98	
09+09+18	Duct	Duct	Wall	—	5.45	5.45	13.10	—	24.00	13.60 ~ 25.90	2090	1000 ~ 2480	9.3	4.4 ~ 11.0	98	
09+09+18	Duct	Duct	Duct	—	5.45	5.45	13.10	—	24.00	13.30 ~ 25.30	2320	1120 ~ 2590	10.3	5.0 ~ 11.5	98	
09+12+12	Wall	Wall	Wall	—	6.32	8.84	8.84	—	24.00	14.00 ~ 25.80	1910	910 ~ 2240	8.5	4.0 ~ 9.9	98	
09+12+12	Wall	Wall	Duct	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	9.3	3.6 ~ 10.3	98	
09+12+12	Wall	Duct	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	10.1	3.8 ~ 10.9	98	
09+12+12	Duct	Wall	Wall	—	6.32	8.84	8.84	—	24.00	11.50 ~ 25.30	2100	820 ~ 2320	9.3	3.6 ~ 10.3	98	
09+12+12	Duct	Wall	Duct	—	6.32	8.84	8.84	—	24.00	11.00 ~ 24.80	2280	860 ~ 2450	10.1	3.8 ~ 10.9	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
09+12+12	Duct	Duct	Duct	—	6.32	8.84	8.84	—	24.00	10.60 ~ 24.20	2530	900 ~ 2530	11.2	4.0 ~ 11.2	98	
09+12+15	Wall	Wall	Wall	—	5.45	7.64	10.91	—	24.00	14.50 ~ 26.90	1820	910 ~ 2310	8.1	4.0 ~ 10.2	98	
09+12+15	Wall	Wall	Duct	—	5.45	7.64	10.91	—	24.00	14.20 ~ 26.50	2000	1040 ~ 2430	8.9	4.6 ~ 10.8	98	
09+12+15	Wall	Duct	Wall	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	8.7	4.2 ~ 10.6	98	
09+12+15	Wall	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98	
09+12+15	Duct	Wall	Wall	—	5.45	7.64	10.91	—	24.00	14.10 ~ 26.50	1960	950 ~ 2390	8.7	4.2 ~ 10.6	98	
09+12+15	Duct	Wall	Duct	—	5.45	7.64	10.91	—	24.00	13.80 ~ 25.80	2180	1080 ~ 2510	9.7	4.8 ~ 11.1	98	
09+12+15	Duct	Duct	Wall	—	5.45	7.64	10.91	—	24.00	13.60 ~ 25.80	2140	1000 ~ 2480	9.5	4.4 ~ 11.0	98	
09+12+15	Duct	Duct	Duct	—	5.45	7.64	10.91	—	24.00	13.30 ~ 25.20	2320	1120 ~ 2590	10.3	5.0 ~ 11.5	98	
09+12+18	Wall	Wall	Wall	—	5.00	7.00	12.00	—	24.00	14.60 ~ 27.60	1830	910 ~ 2430	8.1	4.0 ~ 10.8	98	
09+12+18	Wall	Wall	Duct	—	5.00	7.00	12.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	8.9	4.6 ~ 11.3	98	
09+12+18	Wall	Duct	Wall	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98	
09+12+18	Wall	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98	
09+12+18	Duct	Wall	Wall	—	5.00	7.00	12.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98	
09+12+18	Duct	Wall	Duct	—	5.00	7.00	12.00	—	24.00	13.80 ~ 26.40	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98	
09+12+18	Duct	Duct	Wall	—	5.00	7.00	12.00	—	24.00	13.60 ~ 26.40	2090	1000 ~ 2590	9.3	4.4 ~ 11.5	98	
09+12+18	Duct	Duct	Duct	—	5.00	7.00	12.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	10.3	5.0 ~ 12.0	98	
09+15+15	Wall	Wall	Wall	—	4.80	9.60	9.60	—	24.00	14.90 ~ 28.00	1730	900 ~ 2390	7.7	4.0 ~ 10.6	98	
09+15+15	Wall	Wall	Duct	—	4.80	9.60	9.60	—	24.00	14.70 ~ 27.50	1910	1030 ~ 2510	8.5	4.6 ~ 11.1	98	
09+15+15	Wall	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.40 ~ 27.10	2080	1170 ~ 2630	9.2	5.2 ~ 11.7	98	
09+15+15	Duct	Wall	Wall	—	4.80	9.60	9.60	—	24.00	14.50 ~ 27.50	1870	950 ~ 2470	8.3	4.2 ~ 11.0	98	
09+15+15	Duct	Wall	Duct	—	4.80	9.60	9.60	—	24.00	14.30 ~ 27.10	2040	1080 ~ 2590	9.1	4.8 ~ 11.5	98	
09+15+15	Duct	Duct	Duct	—	4.80	9.60	9.60	—	24.00	14.00 ~ 26.70	2220	1210 ~ 2710	9.8	5.4 ~ 12.0	98	
12+12+12	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	14.00 ~ 26.50	1910	910 ~ 2350	8.5	4.0 ~ 10.4	98	
12+12+12	Wall	Wall	Duct	—	8.00	8.00	8.00	—	24.00	11.50 ~ 25.90	2100	820 ~ 2430	9.3	3.6 ~ 10.8	98	
12+12+12	Wall	Duct	Duct	—	8.00	8.00	8.00	—	24.00	11.00 ~ 25.50	2280	860 ~ 2620	10.1	3.8 ~ 11.6	98	
12+12+12	Duct	Duct	Duct	—	8.00	8.00	8.00	—	24.00	10.60 ~ 24.70	2530	900 ~ 2700	11.2	4.0 ~ 12.0	98	
12+12+15	Wall	Wall	Wall	—	7.00	7.00	10.00	—	24.00	14.50 ~ 27.60	1820	910 ~ 2430	8.1	4.0 ~ 10.8	98	
12+12+15	Wall	Wall	Duct	—	7.00	7.00	10.00	—	24.00	14.20 ~ 27.00	2000	1040 ~ 2550	8.9	4.6 ~ 11.3	98	
12+12+15	Wall	Duct	Wall	—	7.00	7.00	10.00	—	24.00	14.10 ~ 27.00	1960	950 ~ 2510	8.7	4.2 ~ 11.1	98	
12+12+15	Wall	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.80 ~ 26.30	2180	1080 ~ 2630	9.7	4.8 ~ 11.7	98	
12+12+15	Duct	Duct	Wall	—	7.00	7.00	10.00	—	24.00	13.60 ~ 26.30	2140	1000 ~ 2590	9.5	4.4 ~ 11.5	98	
12+12+15	Duct	Duct	Duct	—	7.00	7.00	10.00	—	24.00	13.30 ~ 25.90	2320	1120 ~ 2710	10.3	5.0 ~ 12.0	98	

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series
- 3D078959  
3D078960  
3D078961  
3D078962



Heating [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07	Wall	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	4.7	3.3 ~ 5.1	98	
09	Wall	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	5.8	3.3 ~ 6.3	98	
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.1	3.7 ~ 6.6	98	
12	Wall	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	7.7	3.3 ~ 8.2	98	
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	7.9	3.7 ~ 8.4	98	
15	Wall	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	8.7	3.1 ~ 9.7	98	
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	9.5	3.8 ~ 10.0	98	
18	Wall	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	10.7	3.0 ~ 12.3	98	
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	10.0	3.8 ~ 10.3	98	
07+07	Wall	Wall	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.00	1580	630 ~ 1720	7.0	2.8 ~ 7.6	98	
07+09	Wall	Wall	—	—	8.89	11.11	—	—	20.00	4.90 ~ 21.70	1820	630 ~ 2060	8.1	2.8 ~ 9.1	98	
07+09	Wall	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.20	1910	690 ~ 2160	8.5	3.1 ~ 9.6	98	
07+12	Wall	Wall	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.70	2310	630 ~ 2630	10.2	2.8 ~ 11.7	98	
07+12	Wall	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	10.8	3.1 ~ 12.0	98	
07+15	Wall	Wall	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	11.6	2.9 ~ 13.5	98	
07+15	Wall	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 29.10	2900	810 ~ 3300	12.9	3.6 ~ 14.6	98	
07+18	Wall	Wall	—	—	7.50	22.50	—	—	30.00	7.10 ~ 30.40	2990	700 ~ 3100	13.3	3.1 ~ 13.8	98	
07+18	Wall	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 29.70	3360	880 ~ 3420	14.9	3.9 ~ 15.2	98	
09+09	Wall	Wall	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	9.6	2.8 ~ 10.7	98	
09+09	Wall	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	10.1	3.1 ~ 11.0	98	
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	10.8	3.4 ~ 11.6	98	
09+12	Wall	Wall	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	11.9	2.8 ~ 14.0	98	
09+12	Wall	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Wall	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	12.9	3.4 ~ 14.2	98	
09+15	Wall	Wall	—	—	10.00	20.00	—	—	30.00	7.20 ~ 30.20	3090	710 ~ 3090	13.7	3.1 ~ 13.7	98	
09+15	Wall	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 29.50	3420	880 ~ 3360	15.2	3.9 ~ 14.9	98	
09+15	Duct	Wall	—	—	9.77	19.53	—	—	29.30	7.20 ~ 29.50	3160	780 ~ 3220	14.0	3.5 ~ 14.3	98	
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 29.00	3500	960 ~ 3500	15.5	4.3 ~ 15.5	98	
09+18	Wall	Wall	—	—	8.82	21.18	—	—	30.00	7.10 ~ 30.50	3100	700 ~ 3100	13.8	3.1 ~ 13.8	98	
09+18	Wall	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 30.00	3480	880 ~ 3480	15.4	3.9 ~ 15.4	98	
09+18	Duct	Wall	—	—	8.76	21.04	—	—	29.80	7.20 ~ 30.20	3170	770 ~ 3280	14.1	3.4 ~ 14.6	98	
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 29.70	3560	960 ~ 3690	15.8	4.3 ~ 16.4	98	
12+12	Wall	Wall	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.00	3510	700 ~ 3510	15.6	3.1 ~ 15.6	98	
12+12	Duct	Wall	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	14.9	3.4 ~ 14.9	98	
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	14.2	3.8 ~ 14.2	98	
12+15	Wall	Wall	—	—	12.35	17.65	—	—	30.00	7.20 ~ 30.50	3090	710 ~ 3210	13.7	3.1 ~ 14.2	98	
12+15	Wall	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 30.30	3420	880 ~ 3540	15.2	3.9 ~ 15.7	98	
12+15	Duct	Wall	—	—	12.27	17.53	—	—	29.80	7.20 ~ 30.30	3280	780 ~ 3400	14.6	3.5 ~ 15.1	98	
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.00	3630	960 ~ 3750	16.1	4.3 ~ 16.6	98	
12+18	Wall	Wall	—	—	11.05	18.95	—	—	30.00	10.00 ~ 30.90	2990	860 ~ 3210	13.3	3.8 ~ 14.2	98	
12+18	Wall	Duct	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3360	1060 ~ 3540	14.9	4.7 ~ 15.7	98	
12+18	Duct	Wall	—	—	11.05	18.95	—	—	30.00	10.10 ~ 30.30	3230	940 ~ 3280	14.3	4.2 ~ 14.6	98	
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 29.60	3630	1150 ~ 3690	16.1	5.1 ~ 16.4	98	
15+15	Wall	Wall	—	—	15.00	15.00	—	—	30.00	9.90 ~ 31.10	2760	810 ~ 2970	12.2	3.6 ~ 13.2	98	
15+15	Duct	Wall	—	—	15.00	15.00	—	—	30.00	10.00 ~ 30.60	3040	980 ~ 3200	13.5	4.3 ~ 14.2	98	
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 30.20	3340	1160 ~ 3510	14.8	5.1 ~ 15.6	98	
15+18	Wall	Wall	—	—	13.64	16.36	—	—	30.00	12.10 ~ 31.50	2730	930 ~ 2990	12.1	4.1 ~ 13.3	98	
15+18	Wall	Duct	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	3040	1120 ~ 3260	13.5	5.0 ~ 14.5	98	
15+18	Duct	Wall	—	—	13.64	16.36	—	—	30.00	12.20 ~ 30.90	2990	1110 ~ 3210	13.3	4.9 ~ 14.2	98	
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 30.50	3340	1310 ~ 3570	14.8	5.8 ~ 15.8	98	
18+18	Wall	Wall	—	—	15.00	15.00	—	—	30.00	12.10 ~ 31.80	2690	920 ~ 3010	11.9	4.1 ~ 13.4	98	
18+18	Duct	Wall	—	—	15.00	15.00	—	—	30.00	12.20 ~ 31.10	2990	1110 ~ 3270	13.3	4.9 ~ 14.5	98	
18+18	Duct	Duct	—	—	15.00	15.00	—	—	30.00	12.30 ~ 30.70	3340	1310 ~ 3630	14.8	5.8 ~ 16.1	98	
07+07+07	Wall	Wall	Wall	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	9.6	2.4 ~ 10.9	98	
07+07+09	Wall	Wall	Wall	—	8.86	8.86	11.08	—	28.80	5.80 ~ 29.20	2510	600 ~ 2560	11.1	2.7 ~ 11.4	98	
07+07+09	Wall	Wall	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 28.50	2590	660 ~ 2590	11.5	2.9 ~ 11.5	98	
07+07+12	Wall	Wall	Wall	—	8.00	8.00	14.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	12.0	2.9 ~ 12.0	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+07+12	Wall	Wall	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 30.00	2850	720 ~ 2850	12.6	3.2 ~ 12.6	98
07+07+15	Wall	Wall	Wall	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.70	2520	760 ~ 2610	11.2	3.4 ~ 11.6	98
07+07+15	Wall	Wall	Duct	—	6.67	6.67	16.66	—	30.00	9.80 ~ 30.20	2740	920 ~ 2790	12.2	4.1 ~ 12.4	98
07+07+18	Wall	Wall	Wall	—	6.00	6.00	18.00	—	30.00	9.70 ~ 31.10	2500	750 ~ 2690	11.1	3.3 ~ 11.9	98
07+07+18	Wall	Wall	Duct	—	6.00	6.00	18.00	—	30.00	9.80 ~ 30.80	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+09+09	Wall	Wall	Wall	—	8.58	10.71	10.71	—	30.00	5.80 ~ 30.00	2710	600 ~ 2710	12.0	2.7 ~ 12.0	98
07+09+09	Wall	Wall	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 30.00	2850	660 ~ 2850	12.6	2.9 ~ 12.6	98
07+09+09	Wall	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 29.50	2950	720 ~ 2950	13.1	3.2 ~ 13.1	98
07+09+12	Wall	Wall	Wall	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.40	2710	650 ~ 2760	12.0	2.9 ~ 12.2	98
07+09+12	Wall	Wall	Duct	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
07+09+12	Wall	Duct	Wall	—	7.50	9.38	13.12	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
07+09+12	Wall	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 29.80	3010	790 ~ 3010	13.4	3.5 ~ 13.4	98
07+09+15	Wall	Wall	Wall	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.90	2520	760 ~ 2660	11.2	3.4 ~ 11.8	98
07+09+15	Wall	Wall	Duct	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2740	920 ~ 2840	12.2	4.1 ~ 12.6	98
07+09+15	Wall	Duct	Wall	—	6.32	7.89	15.79	—	30.00	9.80 ~ 30.40	2630	820 ~ 2730	11.7	3.6 ~ 12.1	98
07+09+15	Wall	Duct	Duct	—	6.32	7.89	15.79	—	30.00	9.90 ~ 30.00	2870	980 ~ 2920	12.7	4.3 ~ 13.0	98
07+09+18	Wall	Wall	Wall	—	5.71	7.14	17.15	—	30.00	9.70 ~ 31.30	2500	750 ~ 2690	11.1	3.3 ~ 11.9	98
07+09+18	Wall	Wall	Duct	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+09+18	Wall	Duct	Wall	—	5.71	7.14	17.15	—	30.00	9.80 ~ 30.70	2600	820 ~ 2750	11.5	3.6 ~ 12.2	98
07+09+18	Wall	Duct	Duct	—	5.71	7.14	17.15	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
07+12+12	Wall	Wall	Wall	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.70	2710	800 ~ 2810	12.0	3.5 ~ 12.5	98
07+12+12	Wall	Wall	Duct	—	6.66	11.67	11.67	—	30.00	9.90 ~ 30.30	2850	870 ~ 2900	12.6	3.9 ~ 12.9	98
07+12+12	Wall	Duct	Duct	—	6.66	11.67	11.67	—	30.00	10.00 ~ 30.00	3060	950 ~ 3060	13.6	4.2 ~ 13.6	98
07+12+15	Wall	Wall	Wall	—	5.71	10.00	14.29	—	30.00	9.80 ~ 31.30	2520	760 ~ 2710	11.2	3.4 ~ 12.0	98
07+12+15	Wall	Wall	Duct	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
07+12+15	Wall	Duct	Wall	—	5.71	10.00	14.29	—	30.00	9.80 ~ 30.70	2630	820 ~ 2780	11.7	3.6 ~ 12.3	98
07+12+15	Wall	Duct	Duct	—	5.71	10.00	14.29	—	30.00	9.90 ~ 30.30	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
07+12+18	Wall	Wall	Wall	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.60	2500	870 ~ 2740	11.1	3.9 ~ 12.2	98
07+12+18	Wall	Wall	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 31.30	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98
07+12+18	Wall	Duct	Wall	—	5.22	9.13	15.65	—	30.00	12.00 ~ 31.30	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98
07+12+18	Wall	Duct	Duct	—	5.22	9.13	15.65	—	30.00	12.10 ~ 30.90	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
07+15+15	Wall	Wall	Wall	—	5.00	12.50	12.50	—	30.00	11.90 ~ 31.80	2440	850 ~ 2680	10.8	3.8 ~ 11.9	98
07+15+15	Wall	Wall	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.40	2610	990 ~ 2810	11.6	4.4 ~ 12.5	98
07+15+15	Wall	Duct	Duct	—	5.00	12.50	12.50	—	30.00	12.00 ~ 31.00	2820	1150 ~ 3020	12.5	5.1 ~ 13.4	98
09+09+09	Wall	Wall	Wall	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.20	2710	650 ~ 2710	12.0	2.9 ~ 12.0	98
09+09+09	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 30.00	2850	720 ~ 2850	12.6	3.2 ~ 12.6	98
09+09+09	Wall	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 29.70	2950	790 ~ 3010	13.1	3.5 ~ 13.4	98
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 29.20	3070	860 ~ 3130	13.6	3.8 ~ 13.9	98
09+09+12	Wall	Wall	Wall	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.50	2710	650 ~ 2810	12.0	2.9 ~ 12.5	98
09+09+12	Wall	Wall	Duct	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
09+09+12	Wall	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.00 ~ 30.20	2850	720 ~ 2900	12.6	3.2 ~ 12.9	98
09+09+12	Wall	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	13.6	3.5 ~ 13.6	98
09+09+12	Duct	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.10 ~ 30.00	3060	790 ~ 3060	13.6	3.5 ~ 13.6	98
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 29.70	3180	860 ~ 3240	14.1	3.8 ~ 14.4	98
09+09+15	Wall	Wall	Wall	—	7.50	7.50	15.00	—	30.00	9.80 ~ 31.10	2520	760 ~ 2710	11.2	3.4 ~ 12.0	98
09+09+15	Wall	Wall	Duct	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2740	920 ~ 2890	12.2	4.1 ~ 12.8	98
09+09+15	Wall	Duct	Wall	—	7.50	7.50	15.00	—	30.00	9.80 ~ 30.60	2630	820 ~ 2730	11.7	3.6 ~ 12.1	98
09+09+15	Wall	Duct	Duct	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2870	980 ~ 2970	12.7	4.3 ~ 13.2	98
09+09+15	Duct	Duct	Wall	—	7.50	7.50	15.00	—	30.00	9.90 ~ 30.20	2800	890 ~ 2850	12.4	3.9 ~ 12.6	98
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 30.00	3070	1060 ~ 3120	13.6	4.7 ~ 13.8	98
09+09+18	Wall	Wall	Wall	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.50	2500	870 ~ 2740	11.1	3.9 ~ 12.2	98
09+09+18	Wall	Wall	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98
09+09+18	Wall	Duct	Wall	—	6.82	6.82	16.36	—	30.00	12.00 ~ 31.20	2600	930 ~ 2800	11.5	4.1 ~ 12.4	98
09+09+18	Wall	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98
09+09+18	Duct	Duct	Wall	—	6.82	6.82	16.36	—	30.00	12.10 ~ 30.80	2770	1000 ~ 2870	12.3	4.4 ~ 12.7	98
09+09+18	Duct	Duct	Duct	—	6.82	6.82	16.36	—	30.00	12.20 ~ 30.10	3070	1190 ~ 3120	13.6	5.3 ~ 13.8	98
09+12+12	Wall	Wall	Wall	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.90	2710	800 ~ 2860	12.0	3.5 ~ 12.7	98
09+12+12	Wall	Wall	Duct	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	12.6	3.9 ~ 13.4	98
09+12+12	Wall	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	13.6	4.2 ~ 13.8	98
09+12+12	Duct	Wall	Wall	—	7.90	11.05	11.05	—	30.00	9.90 ~ 30.60	2850	870 ~ 3010	12.6	3.9 ~ 13.4	98
09+12+12	Duct	Wall	Duct	—	7.90	11.05	11.05	—	30.00	10.00 ~ 30.20	3060	950 ~ 3120	13.6	4.2 ~ 13.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	—	A room	B room	C room	—	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 30.00	3300	1030 ~ 3300	14.6	4.6 ~ 14.6	98	
09+12+15	Wall	Wall	Wall	—	6.82	9.55	13.63	—	30.00	12.00 ~ 31.50	2520	880 ~ 2760	11.2	3.9 ~ 12.2	98	
09+12+15	Wall	Wall	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2740	1040 ~ 2990	12.2	4.6 ~ 13.3	98	
09+12+15	Wall	Duct	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	11.7	4.2 ~ 12.6	98	
09+12+15	Wall	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98	
09+12+15	Duct	Wall	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 31.20	2630	940 ~ 2830	11.7	4.2 ~ 12.6	98	
09+12+15	Duct	Wall	Duct	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2870	1110 ~ 3080	12.7	4.9 ~ 13.7	98	
09+12+15	Duct	Duct	Wall	—	6.82	9.55	13.63	—	30.00	12.10 ~ 30.80	2800	1020 ~ 2960	12.4	4.5 ~ 13.1	98	
09+12+15	Duct	Duct	Duct	—	6.82	9.55	13.63	—	30.00	12.20 ~ 30.30	3070	1190 ~ 3170	13.6	5.3 ~ 14.1	98	
09+12+18	Wall	Wall	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.80	2500	870 ~ 2790	11.1	3.9 ~ 12.4	98	
09+12+18	Wall	Wall	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	12.2	4.6 ~ 13.5	98	
09+12+18	Wall	Duct	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98	
09+12+18	Wall	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98	
09+12+18	Duct	Wall	Wall	—	6.25	8.75	15.00	—	30.00	12.00 ~ 31.50	2600	930 ~ 2850	11.5	4.1 ~ 12.6	98	
09+12+18	Duct	Wall	Duct	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98	
09+12+18	Duct	Duct	Wall	—	6.25	8.75	15.00	—	30.00	12.10 ~ 31.10	2770	1000 ~ 2920	12.3	4.4 ~ 13.0	98	
09+12+18	Duct	Duct	Duct	—	6.25	8.75	15.00	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	13.6	5.3 ~ 14.3	98	
09+15+15	Wall	Wall	Wall	—	6.00	12.00	12.00	—	30.00	11.90 ~ 32.00	2440	850 ~ 2730	10.8	3.8 ~ 12.1	98	
09+15+15	Wall	Wall	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2610	990 ~ 2860	11.6	4.4 ~ 12.7	98	
09+15+15	Wall	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2820	1150 ~ 3070	12.5	5.1 ~ 13.6	98	
09+15+15	Duct	Wall	Wall	—	6.00	12.00	12.00	—	30.00	11.90 ~ 31.50	2510	900 ~ 2760	11.1	4.0 ~ 12.2	98	
09+15+15	Duct	Wall	Duct	—	6.00	12.00	12.00	—	30.00	12.00 ~ 31.50	2720	1060 ~ 2960	12.1	4.7 ~ 13.1	98	
09+15+15	Duct	Duct	Duct	—	6.00	12.00	12.00	—	30.00	12.10 ~ 31.20	2940	1220 ~ 3200	13.0	5.4 ~ 14.2	98	
12+12+12	Wall	Wall	Wall	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.30	2710	800 ~ 2920	12.0	3.5 ~ 13.0	98	
12+12+12	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	9.90 ~ 31.00	2850	870 ~ 3060	12.6	3.9 ~ 13.6	98	
12+12+12	Wall	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.00 ~ 30.40	3060	950 ~ 3170	13.6	4.2 ~ 14.1	98	
12+12+12	Duct	Duct	Duct	—	10.00	10.00	10.00	—	30.00	10.10 ~ 30.20	3300	1030 ~ 3350	14.6	4.6 ~ 14.9	98	
12+12+15	Wall	Wall	Wall	—	8.75	8.75	12.50	—	30.00	12.00 ~ 31.80	2520	880 ~ 2810	11.2	3.9 ~ 12.5	98	
12+12+15	Wall	Wall	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2740	1040 ~ 3040	12.2	4.6 ~ 13.5	98	
12+12+15	Wall	Duct	Wall	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.50	2630	940 ~ 2930	11.7	4.2 ~ 13.0	98	
12+12+15	Wall	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2870	1110 ~ 3130	12.7	4.9 ~ 13.9	98	
12+12+15	Duct	Duct	Wall	—	8.75	8.75	12.50	—	30.00	12.10 ~ 31.10	2800	1020 ~ 3010	12.4	4.5 ~ 13.4	98	
12+12+15	Duct	Duct	Duct	—	8.75	8.75	12.50	—	30.00	12.20 ~ 30.70	3070	1190 ~ 3230	13.6	5.3 ~ 14.3	98	

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature). Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 39.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

3D078967  
3D078968  
3D078969  
3D078970

### 3.5 Combination Capacity: 4MXS32GVJU

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#### Cooling [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07	Wall	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.3	2.9 ~ 3.3	98
09	Wall	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	4.0	2.9 ~ 4.0	98
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	4.3	3.0 ~ 4.3	98
12	Wall	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.5	2.9 ~ 5.5	98
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.7	3.0 ~ 5.7	98
15	Wall	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	7.0	2.9 ~ 7.0	98
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	7.4	3.6 ~ 7.4	98
18	Wall	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	9.6	3.1 ~ 9.6	98
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	9.6	3.7 ~ 9.6	98
07+07	Wall	Wall	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	6.4	3.0 ~ 6.4	98
07+09	Wall	Wall	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	7.3	3.0 ~ 7.3	98
07+09	Wall	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	7.0	3.2 ~ 7.0	98
07+12	Wall	Wall	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	9.3	3.0 ~ 9.3	98
07+12	Wall	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	9.2	3.2 ~ 9.2	98
07+15	Wall	Wall	—	—	7.46	18.64	—	—	26.10	9.30 ~ 26.10	2760	680 ~ 2760	13.5	3.3 ~ 13.5	98
07+15	Wall	Duct	—	—	6.69	16.71	—	—	23.40	9.10 ~ 23.40	2360	810 ~ 2360	11.6	4.0 ~ 11.6	98
07+18	Wall	Wall	—	—	6.65	19.95	—	—	26.60	9.90 ~ 26.60	2830	710 ~ 2830	13.9	3.5 ~ 13.9	98
07+18	Wall	Duct	—	—	5.93	17.78	—	—	23.70	9.60 ~ 23.70	2410	840 ~ 2410	11.8	4.1 ~ 11.8	98
09+09	Wall	Wall	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	8.1	3.0 ~ 8.1	98
09+09	Wall	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	8.0	3.2 ~ 8.0	98
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	7.5	3.4 ~ 7.5	98
09+12	Wall	Wall	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	10.6	3.2 ~ 10.6	98
09+12	Wall	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Wall	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	10.4	3.3 ~ 10.4	98
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	10.0	3.5 ~ 10.0	98
09+15	Wall	Wall	—	—	8.67	17.33	—	—	26.00	9.90 ~ 26.00	2700	710 ~ 2700	13.2	3.5 ~ 13.2	98
09+15	Wall	Duct	—	—	8.47	16.93	—	—	25.40	9.60 ~ 25.40	2820	840 ~ 2820	13.8	4.1 ~ 13.8	98
09+15	Duct	Wall	—	—	8.17	16.33	—	—	24.50	9.40 ~ 24.50	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98
09+15	Duct	Duct	—	—	7.97	15.93	—	—	23.90	9.20 ~ 23.90	2770	880 ~ 2770	13.6	4.3 ~ 13.6	98
09+18	Wall	Wall	—	—	7.97	19.13	—	—	27.10	9.90 ~ 27.10	3020	710 ~ 3020	14.8	3.5 ~ 14.8	98
09+18	Wall	Duct	—	—	7.76	18.64	—	—	26.40	9.60 ~ 26.40	3120	840 ~ 3120	15.3	4.1 ~ 15.3	98
09+18	Duct	Wall	—	—	7.85	18.85	—	—	26.70	9.50 ~ 26.70	3290	750 ~ 3290	16.1	3.7 ~ 16.1	98
09+18	Duct	Duct	—	—	7.65	18.35	—	—	26.00	9.20 ~ 26.00	3460	880 ~ 3460	17.0	4.3 ~ 17.0	98
12+12	Wall	Wall	—	—	13.05	13.05	—	—	26.10	8.90 ~ 26.10	3040	670 ~ 3040	14.9	3.3 ~ 14.9	98
12+12	Duct	Wall	—	—	12.30	12.30	—	—	24.60	8.50 ~ 24.60	2990	710 ~ 2990	14.7	3.5 ~ 14.7	98
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	14.1	3.7 ~ 14.1	98
12+15	Wall	Wall	—	—	11.20	16.00	—	—	27.20	9.90 ~ 27.20	3080	710 ~ 3080	15.1	3.5 ~ 15.1	98
12+15	Wall	Duct	—	—	10.91	15.59	—	—	26.50	9.60 ~ 26.50	3190	840 ~ 3190	15.6	4.1 ~ 15.6	98
12+15	Duct	Wall	—	—	10.87	15.53	—	—	26.40	9.40 ~ 26.40	3220	750 ~ 3220	15.8	3.7 ~ 15.8	98
12+15	Duct	Duct	—	—	10.58	15.12	—	—	25.70	9.20 ~ 25.70	3320	880 ~ 3320	16.3	4.3 ~ 16.3	98
12+18	Wall	Wall	—	—	10.43	17.87	—	—	28.30	12.90 ~ 28.30	3550	900 ~ 3550	17.4	4.4 ~ 17.4	98
12+18	Wall	Duct	—	—	10.17	17.43	—	—	27.60	12.50 ~ 27.60	3650	1030 ~ 3650	17.9	5.1 ~ 17.9	98
12+18	Duct	Wall	—	—	10.09	17.31	—	—	27.40	12.40 ~ 27.40	3630	940 ~ 3630	17.8	4.6 ~ 17.8	98
12+18	Duct	Duct	—	—	9.73	16.67	—	—	26.40	11.90 ~ 26.40	3660	1060 ~ 3660	18.0	5.2 ~ 18.0	98
15+15	Wall	Wall	—	—	14.20	14.20	—	—	28.40	13.40 ~ 28.40	3180	910 ~ 3180	15.6	4.5 ~ 15.6	98
15+15	Duct	Wall	—	—	13.85	13.85	—	—	27.70	13.10 ~ 27.70	3490	1030 ~ 3490	17.1	5.1 ~ 17.1	98
15+15	Duct	Duct	—	—	13.50	13.50	—	—	27.00	12.80 ~ 27.00	3400	1160 ~ 3400	16.7	5.7 ~ 16.7	98
15+18	Wall	Wall	—	—	13.36	16.04	—	—	29.40	13.50 ~ 29.40	3660	910 ~ 3660	18.0	4.5 ~ 18.0	98
15+18	Wall	Duct	—	—	12.95	15.55	—	—	28.50	13.10 ~ 28.50	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
15+18	Duct	Wall	—	—	13.00	15.60	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
15+18	Duct	Duct	—	—	12.64	15.16	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	18.0	5.7 ~ 18.0	98
18+18	Wall	Wall	—	—	14.70	14.70	—	—	29.40	13.50 ~ 29.40	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
18+18	Duct	Wall	—	—	14.30	14.30	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	17.8	5.1 ~ 17.8	98
18+18	Duct	Duct	—	—	13.90	13.90	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	18.0	5.7 ~ 18.0	98
07+07+07	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	9.50 ~ 24.00	1910	640 ~ 1910	9.4	3.1 ~ 9.4	98
07+07+09	Wall	Wall	Wall	—	7.82	7.82	9.76	—	25.40	10.10 ~ 25.40	2130	670 ~ 2130	10.4	3.3 ~ 10.4	98
07+07+09	Wall	Wall	Duct	—	7.60	7.60	9.50	—	24.70	9.80 ~ 24.70	2210	720 ~ 2210	10.8	3.5 ~ 10.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
07+07+12	Wall	Wall	Wall	—	7.28	7.28	12.74	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	12.4	3.4 ~ 12.4	98	
07+07+12	Wall	Wall	Duct	—	7.09	7.09	12.42	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98	
07+07+15	Wall	Wall	Wall	—	6.44	6.44	16.12	—	29.00	14.50 ~ 29.00	2790	910 ~ 2790	13.7	4.5 ~ 13.7	98	
07+07+15	Wall	Wall	Duct	—	6.00	6.00	15.00	—	27.00	14.20 ~ 27.00	2550	1040 ~ 2550	12.5	5.1 ~ 12.5	98	
07+07+18	Wall	Wall	Wall	—	5.88	5.88	17.64	—	29.40	14.60 ~ 29.40	2920	910 ~ 2920	14.3	4.5 ~ 14.3	98	
07+07+18	Wall	Wall	Duct	—	5.50	5.50	16.50	—	27.50	14.20 ~ 27.50	2660	1040 ~ 2660	13.0	5.1 ~ 13.0	98	
07+09+09	Wall	Wall	Wall	—	7.66	9.57	9.57	—	26.80	10.10 ~ 26.80	2410	670 ~ 2410	11.8	3.3 ~ 11.8	98	
07+09+09	Wall	Wall	Duct	—	7.46	9.32	9.32	—	26.10	9.80 ~ 26.10	2490	720 ~ 2490	12.2	3.5 ~ 12.2	98	
07+09+09	Wall	Duct	Duct	—	7.40	9.25	9.25	—	25.90	9.50 ~ 25.90	2680	770 ~ 2680	13.1	3.8 ~ 13.1	98	
07+09+12	Wall	Wall	Wall	—	6.98	8.72	12.20	—	27.90	10.70 ~ 27.90	2700	700 ~ 2700	13.2	3.4 ~ 13.2	98	
07+09+12	Wall	Wall	Duct	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	13.7	3.7 ~ 13.7	98	
07+09+12	Wall	Duct	Wall	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	13.7	3.7 ~ 13.7	98	
07+09+12	Wall	Duct	Duct	—	6.75	8.44	11.81	—	27.00	10.00 ~ 27.00	2990	800 ~ 2990	14.7	3.9 ~ 14.7	98	
07+09+15	Wall	Wall	Wall	—	6.21	7.76	15.53	—	29.50	14.50 ~ 29.50	2980	910 ~ 2980	14.6	4.5 ~ 14.6	98	
07+09+15	Wall	Wall	Duct	—	5.81	7.26	14.53	—	27.60	14.20 ~ 27.60	2660	1040 ~ 2660	13.0	5.1 ~ 13.0	98	
07+09+15	Wall	Duct	Wall	—	6.08	7.61	15.21	—	28.90	14.10 ~ 28.90	3070	950 ~ 3070	15.1	4.7 ~ 15.1	98	
07+09+15	Wall	Duct	Duct	—	5.66	7.08	14.16	—	26.90	13.80 ~ 26.90	2750	1080 ~ 2750	13.5	5.3 ~ 13.5	98	
07+09+18	Wall	Wall	Wall	—	5.75	7.19	17.26	—	30.20	14.60 ~ 30.20	3250	910 ~ 3250	15.9	4.5 ~ 15.9	98	
07+09+18	Wall	Wall	Duct	—	5.39	6.74	16.17	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	13.9	5.1 ~ 13.9	98	
07+09+18	Wall	Duct	Wall	—	5.62	7.02	16.86	—	29.50	14.10 ~ 29.50	3270	950 ~ 3270	16.0	4.7 ~ 16.0	98	
07+09+18	Wall	Duct	Duct	—	5.26	6.57	15.77	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	14.4	5.3 ~ 14.4	98	
07+12+12	Wall	Wall	Wall	—	6.44	11.28	11.28	—	29.00	14.00 ~ 29.00	3090	910 ~ 3090	15.2	4.5 ~ 15.2	98	
07+12+12	Wall	Wall	Duct	—	6.32	11.04	11.04	—	28.40	13.60 ~ 28.40	3170	950 ~ 3170	15.6	4.7 ~ 15.6	98	
07+12+12	Wall	Duct	Duct	—	6.22	10.89	10.89	—	28.00	13.00 ~ 28.00	3380	990 ~ 3380	16.6	4.9 ~ 16.6	98	
07+12+15	Wall	Wall	Wall	—	5.75	10.07	14.38	—	30.20	14.50 ~ 30.20	3250	910 ~ 3250	15.9	4.5 ~ 15.9	98	
07+12+15	Wall	Wall	Duct	—	5.39	9.43	13.48	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	13.9	5.1 ~ 13.9	98	
07+12+15	Wall	Duct	Wall	—	5.62	9.83	14.05	—	29.50	14.10 ~ 29.50	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98	
07+12+15	Wall	Duct	Duct	—	5.26	9.20	13.14	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	14.4	5.3 ~ 14.4	98	
07+12+18	Wall	Wall	Wall	—	5.34	9.34	16.02	—	30.70	14.60 ~ 30.70	3520	910 ~ 3520	17.3	4.5 ~ 17.3	98	
07+12+18	Wall	Wall	Duct	—	5.03	8.80	15.07	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	14.9	5.1 ~ 14.9	98	
07+12+18	Wall	Duct	Wall	—	5.23	9.16	15.71	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	17.4	4.7 ~ 17.4	98	
07+12+18	Wall	Duct	Duct	—	4.90	8.58	14.72	—	28.20	13.80 ~ 28.20	3120	1080 ~ 3120	15.3	5.3 ~ 15.3	98	
07+15+15	Wall	Wall	Wall	—	5.13	12.83	12.84	—	30.80	14.90 ~ 30.80	3340	900 ~ 3340	16.4	4.4 ~ 16.4	98	
07+15+15	Wall	Wall	Duct	—	4.84	12.08	12.08	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98	
07+15+15	Wall	Duct	Duct	—	4.54	11.33	11.33	—	27.20	14.40 ~ 27.20	2630	1170 ~ 2630	12.9	5.7 ~ 12.9	98	
07+15+18	Wall	Wall	Wall	—	4.74	11.85	14.21	—	30.80	15.00 ~ 30.80	3270	900 ~ 3270	16.0	4.4 ~ 16.0	98	
07+15+18	Wall	Wall	Duct	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98	
07+15+18	Wall	Duct	Wall	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	14.1	5.1 ~ 14.1	98	
07+15+18	Wall	Duct	Duct	—	4.20	10.50	12.60	—	27.30	14.40 ~ 27.30	2680	1170 ~ 2680	13.1	5.7 ~ 13.1	98	
07+18+18	Wall	Wall	Wall	—	4.46	13.37	13.37	—	31.20	15.00 ~ 31.20	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98	
07+18+18	Wall	Wall	Duct	—	4.38	13.16	13.16	—	30.70	14.70 ~ 30.70	3530	1030 ~ 3530	17.3	5.1 ~ 17.3	98	
07+18+18	Wall	Duct	Duct	—	4.32	12.94	12.94	—	30.20	14.40 ~ 30.20	3570	1170 ~ 3570	17.5	5.7 ~ 17.5	98	
09+09+09	Wall	Wall	Wall	—	9.10	9.10	9.10	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	12.4	3.4 ~ 12.4	98	
09+09+09	Wall	Wall	Duct	—	8.87	8.87	8.87	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	12.8	3.7 ~ 12.8	98	
09+09+09	Wall	Duct	Duct	—	8.80	8.80	8.80	—	26.40	10.00 ~ 26.40	2800	800 ~ 2800	13.7	3.9 ~ 13.7	98	
09+09+09	Duct	Duct	Duct	—	8.57	8.57	8.57	—	25.70	9.60 ~ 25.70	2940	840 ~ 2940	14.4	4.1 ~ 14.4	98	
09+09+12	Wall	Wall	Wall	—	8.35	8.35	11.70	—	28.40	10.70 ~ 28.40	2830	700 ~ 2830	13.9	3.4 ~ 13.9	98	
09+09+12	Wall	Wall	Duct	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	14.6	3.7 ~ 14.6	98	
09+09+12	Wall	Duct	Wall	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	14.6	3.7 ~ 14.6	98	
09+09+12	Wall	Duct	Duct	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	15.6	3.9 ~ 15.6	98	
09+09+12	Duct	Duct	Wall	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	15.6	3.9 ~ 15.6	98	
09+09+12	Duct	Duct	Duct	—	7.91	7.91	11.08	—	26.90	9.60 ~ 26.90	3390	840 ~ 3390	16.6	4.1 ~ 16.6	98	
09+09+15	Wall	Wall	Wall	—	7.35	7.35	14.70	—	29.40	14.50 ~ 29.40	2920	910 ~ 2920	14.3	4.5 ~ 14.3	98	
09+09+15	Wall	Wall	Duct	—	7.23	7.23	14.44	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	14.9	5.1 ~ 14.9	98	
09+09+15	Wall	Duct	Wall	—	7.25	7.25	14.50	—	29.00	14.10 ~ 29.00	3070	950 ~ 3070	15.1	4.7 ~ 15.1	98	
09+09+15	Wall	Duct	Duct	—	7.13	7.13	14.24	—	28.50	13.80 ~ 28.50	3180	1080 ~ 3180	15.6	5.3 ~ 15.6	98	
09+09+15	Duct	Duct	Wall	—	7.13	7.13	14.24	—	28.50	13.60 ~ 28.50	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98	
09+09+15	Duct	Duct	Duct	—	7.00	7.00	14.00	—	28.00	13.30 ~ 28.00	3320	1120 ~ 3320	16.3	5.5 ~ 16.3	98	
09+09+18	Wall	Wall	Wall	—	6.95	6.95	16.70	—	30.60	14.60 ~ 30.60	3450	910 ~ 3450	16.9	4.5 ~ 16.9	98	
09+09+18	Wall	Wall	Duct	—	6.84	6.84	16.42	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	17.2	5.1 ~ 17.2	98	
09+09+18	Wall	Duct	Wall	—	6.84	6.84	16.42	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	17.4	4.7 ~ 17.4	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
09+09+18	Wall	Duct	Duct	—	6.73	6.73	16.14	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+09+18	Duct	Duct	Wall	—	6.70	6.70	16.10	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+09+18	Duct	Duct	Duct	—	6.52	6.52	15.66	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+12+12	Wall	Wall	Wall	—	7.76	10.87	10.87	—	29.50	14.00 ~ 29.50	3220	910 ~ 3220	15.8	4.5 ~ 15.8	98
09+12+12	Wall	Wall	Duct	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	16.5	4.0 ~ 16.5	98
09+12+12	Wall	Duct	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	17.6	4.2 ~ 17.6	98
09+12+12	Duct	Wall	Wall	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	16.5	4.0 ~ 16.5	98
09+12+12	Duct	Wall	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	17.6	4.2 ~ 17.6	98
09+12+12	Duct	Duct	Duct	—	7.24	10.13	10.13	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	18.0	4.4 ~ 18.0	98
09+12+15	Wall	Wall	Wall	—	6.95	9.74	13.91	—	30.60	14.50 ~ 30.60	3520	910 ~ 3520	17.3	4.5 ~ 17.3	98
09+12+15	Wall	Wall	Duct	—	6.84	9.58	13.68	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	17.2	5.1 ~ 17.2	98
09+12+15	Wall	Duct	Wall	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+15	Wall	Duct	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+15	Duct	Wall	Wall	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+15	Duct	Wall	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+15	Duct	Duct	Wall	—	6.69	9.35	13.36	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+12+15	Duct	Duct	Duct	—	6.52	9.13	13.05	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+12+18	Wall	Wall	Wall	—	6.42	8.98	15.40	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
09+12+18	Wall	Wall	Duct	—	6.31	8.84	15.15	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98
09+12+18	Wall	Duct	Wall	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+18	Wall	Duct	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+18	Duct	Wall	Wall	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
09+12+18	Duct	Wall	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
09+12+18	Duct	Duct	Wall	—	6.15	8.60	14.75	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
09+12+18	Duct	Duct	Duct	—	5.98	8.37	14.35	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
09+15+15	Wall	Wall	Wall	—	6.18	12.36	12.36	—	30.90	14.90 ~ 30.90	3340	900 ~ 3340	16.4	4.4 ~ 16.4	98
09+15+15	Wall	Wall	Duct	—	6.08	12.16	12.16	—	30.40	14.70 ~ 30.40	3390	1030 ~ 3390	16.6	5.1 ~ 16.6	98
09+15+15	Wall	Duct	Duct	—	5.98	11.96	11.96	—	29.90	14.40 ~ 29.90	3430	1170 ~ 3430	16.8	5.7 ~ 16.8	98
09+15+15	Duct	Wall	Wall	—	6.08	12.16	12.16	—	30.40	14.50 ~ 30.40	3430	950 ~ 3430	16.8	4.7 ~ 16.8	98
09+15+15	Duct	Wall	Duct	—	5.98	11.96	11.96	—	29.90	14.30 ~ 29.90	3470	1080 ~ 3470	17.0	5.3 ~ 17.0	98
09+15+15	Duct	Duct	Duct	—	5.88	11.76	11.76	—	29.40	14.00 ~ 29.40	3520	1210 ~ 3520	17.3	5.9 ~ 17.3	98
09+15+18	Wall	Wall	Wall	—	5.76	11.52	13.82	—	31.10	15.00 ~ 31.10	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98
09+15+18	Wall	Wall	Duct	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98
09+15+18	Wall	Duct	Wall	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98
09+15+18	Wall	Duct	Duct	—	5.57	11.15	13.38	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	17.2	5.7 ~ 17.2	98
09+15+18	Duct	Wall	Wall	—	5.67	11.33	13.60	—	30.60	14.60 ~ 30.60	3500	950 ~ 3500	17.2	4.7 ~ 17.2	98
09+15+18	Duct	Wall	Duct	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98
09+15+18	Duct	Duct	Wall	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98
09+15+18	Duct	Duct	Duct	—	5.46	10.93	13.11	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	17.6	5.9 ~ 17.6	98
09+18+18	Wall	Wall	Wall	—	5.40	12.95	12.95	—	31.30	15.00 ~ 31.30	3560	900 ~ 3560	17.5	4.4 ~ 17.5	98
09+18+18	Wall	Wall	Duct	—	5.32	12.74	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	17.7	5.1 ~ 17.7	98
09+18+18	Wall	Duct	Duct	—	5.22	12.54	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	17.9	5.7 ~ 17.9	98
09+18+18	Duct	Wall	Wall	—	5.32	12.79	12.79	—	30.90	14.60 ~ 30.90	3640	950 ~ 3640	17.9	4.7 ~ 17.9	98
09+18+18	Duct	Wall	Duct	—	5.22	12.54	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98
09+18+18	Duct	Duct	Duct	—	5.10	12.25	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	17.9	5.9 ~ 17.9	98
12+12+12	Wall	Wall	Wall	—	10.07	10.07	10.07	—	30.20	14.00 ~ 30.20	3630	910 ~ 3630	17.8	4.5 ~ 17.8	98
12+12+12	Wall	Wall	Duct	—	9.83	9.83	9.83	—	29.50	11.50 ~ 29.50	3640	820 ~ 3640	17.9	4.0 ~ 17.9	98
12+12+12	Wall	Duct	Duct	—	9.50	9.50	9.50	—	28.50	11.00 ~ 28.50	3650	860 ~ 3650	17.9	4.2 ~ 17.9	98
12+12+12	Duct	Duct	Duct	—	9.17	9.17	9.17	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	18.0	4.4 ~ 18.0	98
12+12+15	Wall	Wall	Wall	—	8.98	8.98	12.84	—	30.80	14.50 ~ 30.80	3660	910 ~ 3660	18.0	4.5 ~ 18.0	98
12+12+15	Wall	Wall	Duct	—	8.84	8.84	12.62	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98
12+12+15	Wall	Duct	Wall	—	8.78	8.78	12.54	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
12+12+15	Wall	Duct	Duct	—	8.63	8.63	12.34	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
12+12+15	Duct	Duct	Wall	—	8.58	8.58	12.24	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
12+12+15	Duct	Duct	Duct	—	8.37	8.37	11.96	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98
12+12+18	Wall	Wall	Wall	—	8.29	8.29	14.22	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	17.7	4.5 ~ 17.7	98
12+12+18	Wall	Wall	Duct	—	8.16	8.16	13.98	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	17.8	5.1 ~ 17.8	98
12+12+18	Wall	Duct	Wall	—	8.13	8.13	13.94	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	17.7	4.7 ~ 17.7	98
12+12+18	Wall	Duct	Duct	—	7.97	7.97	13.66	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	17.9	5.3 ~ 17.9	98
12+12+18	Duct	Duct	Wall	—	7.94	7.94	13.62	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	17.8	4.9 ~ 17.8	98
12+12+18	Duct	Duct	Duct	—	7.73	7.73	13.24	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	18.0	5.5 ~ 18.0	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
12+15+15	Wall	Wall	Wall	—	8.06	11.52	11.52	—	31.10	14.90 ~ 31.10	3480	900 ~ 3480	17.1	4.4 ~ 17.1	98	
12+15+15	Wall	Wall	Duct	—	7.94	11.33	11.33	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	17.0	5.1 ~ 17.0	98	
12+15+15	Wall	Duct	Duct	—	7.80	11.15	11.15	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	17.2	5.7 ~ 17.2	98	
12+15+15	Duct	Wall	Wall	—	7.94	11.33	11.33	—	30.60	14.50 ~ 30.60	3500	950 ~ 3500	17.2	4.7 ~ 17.2	98	
12+15+15	Duct	Wall	Duct	—	7.80	11.15	11.15	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	17.4	5.3 ~ 17.4	98	
12+15+15	Duct	Duct	Duct	—	7.64	10.93	10.93	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	17.6	5.9 ~ 17.6	98	
12+15+18	Wall	Wall	Wall	—	7.53	10.76	12.91	—	31.20	15.00 ~ 31.20	3550	900 ~ 3550	17.4	4.4 ~ 17.4	98	
12+15+18	Wall	Wall	Duct	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3590	1030 ~ 3590	17.6	5.1 ~ 17.6	98	
12+15+18	Wall	Duct	Wall	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	17.7	5.1 ~ 17.7	98	
12+15+18	Wall	Duct	Duct	—	7.31	10.45	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	17.9	5.7 ~ 17.9	98	
12+15+18	Duct	Wall	Wall	—	7.44	10.62	12.74	—	30.80	14.60 ~ 30.80	3640	950 ~ 3640	17.9	4.7 ~ 17.9	98	
12+15+18	Duct	Wall	Duct	—	7.29	10.41	12.50	—	30.20	14.30 ~ 30.20	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98	
12+15+18	Duct	Duct	Wall	—	7.31	10.45	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	17.7	5.3 ~ 17.7	98	
12+15+18	Duct	Duct	Duct	—	7.14	10.21	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	17.9	5.9 ~ 17.9	98	
07+07+07+07	Wall	Wall	Wall	Wall	7.25	7.25	7.25	7.25	29.00	11.60 ~ 29.00	2460	680 ~ 2460	12.1	3.3 ~ 12.1	98	
07+07+07+09	Wall	Wall	Wall	Wall	6.94	6.94	6.94	8.68	29.50	11.60 ~ 29.50	2590	680 ~ 2590	12.7	3.3 ~ 12.7	98	
07+07+07+09	Wall	Wall	Wall	Duct	6.82	6.82	6.82	8.54	29.00	11.40 ~ 29.00	2610	730 ~ 2610	12.8	3.6 ~ 12.8	98	
07+07+07+12	Wall	Wall	Wall	Wall	6.44	6.44	6.44	11.28	30.60	15.40 ~ 30.60	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98	
07+07+07+12	Wall	Wall	Wall	Duct	6.34	6.34	6.34	11.08	30.10	15.10 ~ 30.10	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98	
07+07+07+15	Wall	Wall	Wall	Wall	5.64	5.64	5.64	14.08	31.00	15.80 ~ 31.00	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+07+07+15	Wall	Wall	Wall	Duct	5.38	5.38	5.38	13.45	29.60	15.60 ~ 29.60	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98	
07+07+07+18	Wall	Wall	Wall	Wall	5.18	5.18	5.18	15.56	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+07+07+18	Wall	Wall	Wall	Duct	4.97	4.97	4.97	14.90	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98	
07+07+09+09	Wall	Wall	Wall	Wall	6.67	6.67	8.33	8.33	30.00	15.40 ~ 30.00	2710	890 ~ 2710	13.3	4.4 ~ 13.3	98	
07+07+09+09	Wall	Wall	Wall	Duct	6.58	6.58	8.22	8.22	29.60	15.10 ~ 29.60	2800	950 ~ 2800	13.7	4.7 ~ 13.7	98	
07+07+09+09	Wall	Wall	Duct	Duct	6.51	6.51	8.14	8.14	29.30	14.70 ~ 29.30	2950	1000 ~ 2950	14.5	4.9 ~ 14.5	98	
07+07+09+12	Wall	Wall	Wall	Wall	6.14	6.14	7.68	10.74	30.70	15.40 ~ 30.70	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98	
07+07+09+12	Wall	Wall	Wall	Duct	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98	
07+07+09+12	Wall	Wall	Duct	Wall	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98	
07+07+09+12	Wall	Wall	Duct	Duct	5.98	5.98	7.48	10.46	29.90	14.70 ~ 29.90	3140	1000 ~ 3140	15.4	4.9 ~ 15.4	98	
07+07+09+15	Wall	Wall	Wall	Wall	5.39	5.39	6.74	13.48	31.00	15.80 ~ 31.00	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+07+09+15	Wall	Wall	Wall	Duct	5.17	5.17	6.45	12.91	29.70	15.60 ~ 29.70	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98	
07+07+09+15	Wall	Wall	Duct	Wall	5.34	5.34	6.67	13.35	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98	
07+07+09+15	Wall	Wall	Duct	Duct	5.10	5.10	6.36	12.74	29.30	15.20 ~ 29.30	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98	
07+07+09+18	Wall	Wall	Wall	Wall	4.98	4.98	6.22	14.92	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+07+09+18	Wall	Wall	Wall	Duct	4.77	4.77	5.96	14.30	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98	
07+07+09+18	Wall	Wall	Duct	Wall	4.91	4.91	6.14	14.74	30.70	15.50 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98	
07+07+09+18	Wall	Wall	Duct	Duct	4.70	4.70	5.89	14.11	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98	
07+07+12+12	Wall	Wall	Wall	Wall	5.64	5.64	9.86	9.86	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98	
07+07+12+12	Wall	Wall	Wall	Duct	5.55	5.55	9.70	9.70	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98	
07+07+12+12	Wall	Wall	Duct	Duct	5.47	5.47	9.58	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98	
07+07+12+15	Wall	Wall	Wall	Wall	4.98	4.98	8.71	12.43	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+07+12+15	Wall	Wall	Wall	Duct	4.77	4.77	8.34	11.92	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	13.6	5.0 ~ 13.6	98	
07+07+12+15	Wall	Wall	Duct	Wall	4.91	4.91	8.60	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98	
07+07+12+15	Wall	Wall	Duct	Duct	4.70	4.70	8.24	11.76	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98	
07+07+12+18	Wall	Wall	Wall	Wall	4.65	4.65	8.14	13.96	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98	
07+07+12+18	Wall	Wall	Wall	Duct	4.47	4.47	7.84	13.42	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98	
07+07+12+18	Wall	Wall	Duct	Wall	4.59	4.59	8.04	13.78	31.00	15.50 ~ 31.00	3280	940 ~ 3280	16.1	4.6 ~ 16.1	98	
07+07+12+18	Wall	Wall	Duct	Duct	4.40	4.40	7.70	13.20	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98	
07+09+09+09	Wall	Wall	Wall	Wall	6.45	8.05	8.05	8.05	30.60	15.40 ~ 30.60	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98	
07+09+09+09	Wall	Wall	Wall	Duct	6.34	7.92	7.92	7.92	30.10	15.10 ~ 30.10	2990	950 ~ 2990	14.7	4.7 ~ 14.7	98	
07+09+09+09	Wall	Wall	Duct	Duct	6.28	7.84	7.84	7.84	29.80	14.70 ~ 29.80	3140	1000 ~ 3140	15.4	4.9 ~ 15.4	98	
07+09+09+09	Wall	Duct	Duct	Duct	6.23	7.79	7.79	7.79	29.60	14.20 ~ 29.60	3300	1040 ~ 3300	16.2	5.1 ~ 16.2	98	
07+09+09+12	Wall	Wall	Wall	Wall	5.90	7.38	7.38	10.34	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98	
07+09+09+12	Wall	Wall	Wall	Duct	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98	
07+09+09+12	Wall	Wall	Duct	Wall	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98	
07+09+09+12	Wall	Wall	Duct	Duct	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98	
07+09+09+12	Wall	Duct	Duct	Wall	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98	
07+09+09+12	Wall	Duct	Duct	Duct	5.66	7.07	7.07	9.90	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98	
07+09+09+15	Wall	Wall	Wall	Wall	5.18	6.48	6.48	12.96	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98	
07+09+09+15	Wall	Wall	Wall	Duct	4.96	6.21	6.21	12.42	29.80	15.60 ~ 29.80	2720	1020 ~ 2720	13.3	5.0 ~ 13.3	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+09+09+15	Wall	Wall	Duct	Wall	5.13	6.42	6.42	12.83	30.80	15.40 ~ 30.80	3080	940 ~ 3080	15.1	4.6 ~ 15.1	98
07+09+09+15	Wall	Wall	Duct	Duct	4.91	6.15	6.15	12.29	29.50	15.20 ~ 29.50	2810	1070 ~ 2810	13.8	5.2 ~ 13.8	98
07+09+09+15	Wall	Duct	Duct	Wall	5.07	6.33	6.33	12.67	30.40	15.10 ~ 30.40	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
07+09+09+15	Wall	Duct	Duct	Duct	4.82	6.02	6.02	12.04	28.90	14.80 ~ 28.90	2840	1120 ~ 2840	13.9	5.5 ~ 13.9	98
07+09+09+18	Wall	Wall	Wall	Wall	4.83	6.04	6.04	14.49	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98
07+09+09+18	Wall	Wall	Wall	Duct	4.64	5.81	5.81	13.94	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98
07+09+09+18	Wall	Wall	Duct	Wall	4.77	5.96	5.96	14.31	31.00	15.50 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+09+18	Wall	Wall	Duct	Duct	4.57	5.71	5.71	13.71	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+09+18	Wall	Duct	Duct	Wall	4.71	5.88	5.88	14.13	30.60	15.10 ~ 30.60	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
07+09+09+18	Wall	Duct	Duct	Duct	4.48	5.62	5.62	13.48	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	14.5	5.5 ~ 14.5	98
07+09+12+12	Wall	Wall	Wall	Wall	5.39	6.74	9.43	9.44	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
07+09+12+12	Wall	Wall	Wall	Duct	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+09+12+12	Wall	Wall	Duct	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	16.1	4.9 ~ 16.1	98
07+09+12+12	Wall	Duct	Wall	Wall	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+09+12+12	Wall	Duct	Wall	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	16.1	4.9 ~ 16.1	98
07+09+12+12	Wall	Duct	Duct	Duct	5.18	6.48	9.07	9.07	29.80	14.20 ~ 29.80	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
07+09+12+15	Wall	Wall	Wall	Wall	4.83	6.04	8.45	12.08	31.40	15.80 ~ 31.40	3180	880 ~ 3180	15.6	4.3 ~ 15.6	98
07+09+12+15	Wall	Wall	Wall	Duct	4.65	5.81	8.12	11.62	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	14.0	5.0 ~ 14.0	98
07+09+12+15	Wall	Wall	Duct	Wall	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+12+15	Wall	Wall	Duct	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+12+15	Wall	Duct	Wall	Wall	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
07+09+12+15	Wall	Duct	Wall	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	14.1	5.2 ~ 14.1	98
07+09+12+15	Wall	Duct	Duct	Wall	4.71	5.88	8.24	11.77	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98
07+09+12+15	Wall	Duct	Duct	Duct	4.49	5.62	7.86	11.23	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	14.5	5.5 ~ 14.5	98
07+12+12+12	Wall	Wall	Wall	Wall	4.97	8.71	8.71	8.71	31.10	15.40 ~ 31.10	3160	890 ~ 3160	15.5	4.4 ~ 15.5	98
07+12+12+12	Wall	Wall	Wall	Duct	4.90	8.60	8.60	8.60	30.70	15.10 ~ 30.70	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
07+12+12+12	Wall	Wall	Duct	Duct	4.86	8.48	8.48	8.48	30.30	14.70 ~ 30.30	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
07+12+12+12	Wall	Duct	Duct	Duct	4.79	8.37	8.37	8.37	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98
09+09+09+09	Wall	Wall	Wall	Wall	7.68	7.68	7.68	7.68	30.70	15.40 ~ 30.70	2970	890 ~ 2970	14.6	4.4 ~ 14.6	98
09+09+09+09	Wall	Wall	Wall	Duct	7.55	7.55	7.55	7.55	30.20	12.60 ~ 30.20	2990	800 ~ 2990	14.7	3.9 ~ 14.7	98
09+09+09+09	Wall	Wall	Duct	Duct	7.48	7.48	7.48	7.48	29.90	12.30 ~ 29.90	3140	850 ~ 3140	15.4	4.2 ~ 15.4	98
09+09+09+09	Wall	Duct	Duct	Duct	7.40	7.40	7.40	7.40	29.60	12.00 ~ 29.60	3300	900 ~ 3300	16.2	4.4 ~ 16.2	98
09+09+09+09	Duct	Duct	Duct	Duct	7.28	7.28	7.28	7.28	29.10	11.60 ~ 29.10	3450	950 ~ 3450	16.9	4.7 ~ 16.9	98
09+09+09+12	Wall	Wall	Wall	Wall	7.05	7.05	7.05	9.85	31.00	15.40 ~ 31.00	3100	890 ~ 3100	15.2	4.4 ~ 15.2	98
09+09+09+12	Wall	Wall	Wall	Duct	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
09+09+09+12	Wall	Wall	Duct	Wall	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	15.3	4.7 ~ 15.3	98
09+09+09+12	Wall	Wall	Duct	Duct	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
09+09+09+12	Wall	Duct	Duct	Wall	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	15.7	4.9 ~ 15.7	98
09+09+09+12	Wall	Duct	Duct	Duct	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98
09+09+09+12	Duct	Duct	Duct	Wall	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	16.5	5.1 ~ 16.5	98
09+09+09+12	Duct	Duct	Duct	Duct	6.68	6.68	6.68	9.36	29.40	13.70 ~ 29.40	3580	1090 ~ 3580	17.6	5.3 ~ 17.6	98
09+09+09+15	Wall	Wall	Wall	Wall	6.22	6.22	6.22	12.44	31.10	15.80 ~ 31.10	2980	880 ~ 2980	14.6	4.3 ~ 14.6	98
09+09+09+15	Wall	Wall	Wall	Duct	6.14	6.14	6.14	12.28	30.70	15.60 ~ 30.70	3040	1020 ~ 3040	14.9	5.0 ~ 14.9	98
09+09+09+15	Wall	Wall	Duct	Wall	6.14	6.14	6.14	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	14.8	4.6 ~ 14.8	98
09+09+09+15	Wall	Wall	Duct	Duct	6.06	6.06	6.06	12.12	30.30	15.20 ~ 30.30	3130	1070 ~ 3130	15.4	5.2 ~ 15.4	98
09+09+09+15	Wall	Duct	Duct	Wall	6.06	6.06	6.06	12.12	30.30	15.10 ~ 30.30	3100	990 ~ 3100	15.2	4.9 ~ 15.2	98
09+09+09+15	Wall	Duct	Duct	Duct	5.98	5.98	5.98	11.96	29.90	14.80 ~ 29.90	3150	1120 ~ 3150	15.5	5.5 ~ 15.5	98
09+09+09+15	Duct	Duct	Duct	Wall	5.98	5.98	5.98	11.96	29.90	14.70 ~ 29.90	3190	1040 ~ 3190	15.6	5.1 ~ 15.6	98
09+09+09+15	Duct	Duct	Duct	Duct	5.90	5.90	5.90	11.80	29.50	14.40 ~ 29.50	3310	1170 ~ 3310	16.2	5.7 ~ 16.2	98
09+09+09+18	Wall	Wall	Wall	Wall	5.81	5.81	5.81	13.97	31.40	15.80 ~ 31.40	3120	880 ~ 3120	15.3	4.3 ~ 15.3	98
09+09+09+18	Wall	Wall	Wall	Duct	5.74	5.74	5.74	13.78	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	15.6	5.0 ~ 15.6	98
09+09+09+18	Wall	Wall	Duct	Wall	5.74	5.74	5.74	13.78	31.00	15.50 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98
09+09+09+18	Wall	Wall	Duct	Duct	5.67	5.67	5.67	13.59	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98
09+09+09+18	Wall	Duct	Duct	Wall	5.67	5.67	5.67	13.59	30.60	15.10 ~ 30.60	3170	990 ~ 3170	15.6	4.9 ~ 15.6	98
09+09+09+18	Wall	Duct	Duct	Duct	5.59	5.59	5.59	13.43	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98
09+09+09+18	Duct	Duct	Duct	Wall	5.59	5.59	5.59	13.43	30.20	14.70 ~ 30.20	3260	1040 ~ 3260	16.0	5.1 ~ 16.0	98
09+09+09+18	Duct	Duct	Duct	Duct	5.52	5.52	5.52	13.24	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	16.9	5.7 ~ 16.9	98
09+09+12+12	Wall	Wall	Wall	Wall	6.48	6.48	9.07	9.07	31.10	15.40 ~ 31.10	3160	890 ~ 3160	15.5	4.4 ~ 15.5	98
09+09+12+12	Wall	Wall	Wall	Duct	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98
09+09+12+12	Wall	Wall	Duct	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98
09+09+12+12	Wall	Duct	Wall	Wall	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	16.0	4.7 ~ 16.0	98



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
09+09+12+12	Wall	Duct	Wall	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98	
09+09+12+12	Wall	Duct	Duct	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98	
09+09+12+12	Duct	Duct	Wall	Wall	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	16.4	4.9 ~ 16.4	98	
09+09+12+12	Duct	Duct	Wall	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	16.8	5.1 ~ 16.8	98	
09+09+12+12	Duct	Duct	Duct	Duct	6.15	6.15	8.60	8.60	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	17.9	5.3 ~ 17.9	98	
09+09+12+15	Wall	Wall	Wall	Wall	5.81	5.81	8.15	11.63	31.40	15.80 ~ 31.40	3180	880 ~ 3180	15.6	4.3 ~ 15.6	98	
09+09+12+15	Wall	Wall	Wall	Duct	5.74	5.74	8.04	11.48	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	15.6	5.0 ~ 15.6	98	
09+09+12+15	Wall	Wall	Duct	Wall	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98	
09+09+12+15	Wall	Wall	Duct	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98	
09+09+12+15	Wall	Duct	Wall	Wall	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	15.4	4.6 ~ 15.4	98	
09+09+12+15	Wall	Duct	Wall	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	15.6	5.2 ~ 15.6	98	
09+09+12+15	Wall	Duct	Duct	Wall	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98	
09+09+12+15	Wall	Duct	Duct	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98	
09+09+12+15	Duct	Duct	Wall	Wall	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	15.8	4.9 ~ 15.8	98	
09+09+12+15	Duct	Duct	Wall	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	16.1	5.5 ~ 16.1	98	
09+09+12+15	Duct	Duct	Duct	Wall	5.59	5.59	7.83	11.19	30.20	14.70 ~ 30.20	3320	1040 ~ 3320	16.3	5.1 ~ 16.3	98	
09+09+12+15	Duct	Duct	Duct	Duct	5.52	5.52	7.72	11.04	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	16.9	5.7 ~ 16.9	98	
09+12+12+12	Wall	Wall	Wall	Wall	6.05	8.45	8.45	8.45	31.40	15.40 ~ 31.40	3370	890 ~ 3370	16.5	4.4 ~ 16.5	98	
09+12+12+12	Wall	Wall	Wall	Duct	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	16.6	4.7 ~ 16.6	98	
09+12+12+12	Wall	Wall	Duct	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	17.1	4.9 ~ 17.1	98	
09+12+12+12	Wall	Duct	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	17.9	5.1 ~ 17.9	98	
09+12+12+12	Duct	Wall	Wall	Wall	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	16.6	4.7 ~ 16.6	98	
09+12+12+12	Duct	Wall	Wall	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	17.1	4.9 ~ 17.1	98	
09+12+12+12	Duct	Wall	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	17.9	5.1 ~ 17.9	98	
09+12+12+12	Duct	Duct	Duct	Duct	5.68	7.94	7.94	7.94	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	17.9	5.3 ~ 17.9	98	

**Note:**

- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
- The total ability of connected indoor units is up to 45.0 kBtu/h.
- It is impossible to connect only one indoor unit.
- Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series

3D078846  
3D078847  
3D078848  
3D078849  
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Heating [60 Hz, 208 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07	Wall	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	5.2	3.7 ~ 5.6	98	
09	Wall	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	6.4	3.7 ~ 6.9	98	
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.7	4.1 ~ 7.3	98	
12	Wall	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	8.5	3.7 ~ 9.1	98	
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	8.7	4.1 ~ 9.3	98	
15	Wall	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	9.7	3.4 ~ 10.7	98	
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	10.5	4.2 ~ 11.1	98	
18	Wall	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	11.9	3.3 ~ 13.6	98	
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	11.1	4.2 ~ 11.4	98	
07+07	Wall	Wall	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.10	1580	630 ~ 1720	7.8	3.1 ~ 8.4	98	
07+09	Wall	Wall	—	—	8.89	11.11	—	—	20.00	4.90 ~ 22.00	1820	630 ~ 2060	8.9	3.1 ~ 10.1	98	
07+09	Wall	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.50	1910	690 ~ 2160	9.4	3.4 ~ 10.6	98	
07+12	Wall	Wall	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.30	2310	630 ~ 2530	11.3	3.1 ~ 12.4	98	
07+12	Wall	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	11.9	3.4 ~ 13.3	98	
07+15	Wall	Wall	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	12.8	3.2 ~ 14.9	98	
07+15	Wall	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 28.80	2850	810 ~ 3180	14.0	4.0 ~ 15.6	98	
07+18	Wall	Wall	—	—	7.55	22.65	—	—	30.20	7.10 ~ 32.60	3050	700 ~ 3620	15.0	3.4 ~ 17.8	98	
07+18	Wall	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 31.40	3360	880 ~ 3840	16.5	4.3 ~ 18.8	98	
09+09	Wall	Wall	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	10.6	3.1 ~ 11.9	98	
09+09	Wall	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	11.1	3.4 ~ 12.2	98	
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	12.0	3.8 ~ 12.8	98	
09+12	Wall	Wall	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	13.2	3.1 ~ 15.5	98	
09+12	Wall	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98	
09+12	Duct	Wall	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	13.8	3.4 ~ 15.8	98	
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	14.2	3.8 ~ 15.7	98	
09+15	Wall	Wall	—	—	10.00	20.00	—	—	30.00	7.20 ~ 32.30	3090	710 ~ 3620	15.2	3.5 ~ 17.8	98	
09+15	Wall	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 31.60	3300	880 ~ 3900	16.2	4.3 ~ 19.1	98	
09+15	Duct	Wall	—	—	9.77	19.53	—	—	29.30	7.20 ~ 31.30	3160	780 ~ 3640	15.5	3.8 ~ 17.9	98	
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 30.60	3380	960 ~ 3940	16.6	4.7 ~ 19.3	98	
09+18	Wall	Wall	—	—	8.97	21.53	—	—	30.50	7.10 ~ 32.60	3100	700 ~ 3620	15.2	3.4 ~ 17.8	98	
09+18	Wall	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 31.80	3420	880 ~ 3970	16.8	4.3 ~ 19.5	98	
09+18	Duct	Wall	—	—	8.76	21.04	—	—	29.80	7.20 ~ 31.70	3170	770 ~ 3640	15.6	3.8 ~ 17.9	98	
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 30.80	3500	960 ~ 3970	17.2	4.7 ~ 19.6	98	
12+12	Wall	Wall	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.50	3510	700 ~ 3630	17.2	3.4 ~ 17.8	98	
12+12	Duct	Wall	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	16.4	3.8 ~ 16.4	98	
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	15.7	4.2 ~ 15.7	98	
12+15	Wall	Wall	—	—	12.56	17.94	—	—	30.50	7.20 ~ 32.30	3210	710 ~ 3620	15.7	3.5 ~ 17.8	98	
12+15	Wall	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 31.60	3420	880 ~ 3900	16.8	4.3 ~ 19.1	98	
12+15	Duct	Wall	—	—	12.27	17.53	—	—	29.80	7.20 ~ 31.30	3280	780 ~ 3640	16.1	3.8 ~ 17.9	98	
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.60	3500	960 ~ 3940	17.2	4.7 ~ 19.3	98	
12+18	Wall	Wall	—	—	11.42	19.58	—	—	31.00	10.00 ~ 32.60	3210	860 ~ 3620	15.7	4.2 ~ 17.8	98	
12+18	Wall	Duct	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.80	3540	1060 ~ 3970	17.4	5.2 ~ 19.5	98	
12+18	Duct	Wall	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.70	3280	940 ~ 3640	16.1	4.6 ~ 17.9	98	
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 30.80	3630	1150 ~ 3970	17.8	5.6 ~ 19.6	98	
15+15	Wall	Wall	—	—	15.50	15.50	—	—	31.00	9.90 ~ 33.50	2970	810 ~ 3530	14.6	4.0 ~ 17.3	98	
15+15	Duct	Wall	—	—	15.15	15.15	—	—	30.30	10.00 ~ 32.70	3140	980 ~ 3720	15.4	4.8 ~ 18.2	98	
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 31.80	3340	1160 ~ 3930	16.4	5.7 ~ 19.3	98	
15+18	Wall	Wall	—	—	14.32	17.18	—	—	31.50	12.10 ~ 33.70	2990	930 ~ 3490	14.7	4.6 ~ 17.1	98	
15+18	Wall	Duct	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.70	3260	1120 ~ 3720	16.0	5.5 ~ 18.2	98	
15+18	Duct	Wall	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.80	3210	1110 ~ 3670	15.7	5.4 ~ 18.0	98	
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 31.80	3450	1310 ~ 3930	16.9	6.4 ~ 19.3	98	
18+18	Wall	Wall	—	—	16.05	16.05	—	—	32.10	12.10 ~ 33.80	3060	920 ~ 3450	15.0	4.5 ~ 16.9	98	
18+18	Duct	Wall	—	—	15.65	15.65	—	—	31.30	12.20 ~ 32.80	3320	1110 ~ 3670	16.3	5.4 ~ 18.0	98	
18+18	Duct	Duct	—	—	15.20	15.20	—	—	30.40	12.30 ~ 31.80	3570	1310 ~ 3930	17.5	6.4 ~ 19.3	98	
07+07+07	Wall	Wall	Wall	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	10.6	2.7 ~ 12.1	98	
07+07+09	Wall	Wall	Wall	—	8.86	8.86	11.08	—	28.80	5.80 ~ 31.10	2510	600 ~ 2920	12.3	2.9 ~ 14.3	98	
07+07+09	Wall	Wall	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 30.60	2590	660 ~ 3010	12.7	3.2 ~ 14.8	98	
07+07+12	Wall	Wall	Wall	—	8.08	8.08	14.14	—	30.30	7.00 ~ 32.80	2760	650 ~ 3240	13.5	3.2 ~ 15.9	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07+07+12	Wall	Wall	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 32.30	2850	720 ~ 3400	14.0	3.5 ~ 16.7	98	
07+07+15	Wall	Wall	Wall	—	6.87	6.87	17.16	—	30.90	9.80 ~ 33.30	2660	760 ~ 3130	13.0	3.7 ~ 15.4	98	
07+07+15	Wall	Wall	Duct	—	6.76	6.76	16.88	—	30.40	9.80 ~ 32.80	2840	920 ~ 3310	13.9	4.5 ~ 16.2	98	
07+07+18	Wall	Wall	Wall	—	6.28	6.28	18.84	—	31.40	9.70 ~ 33.80	2740	750 ~ 3160	13.4	3.7 ~ 15.5	98	
07+07+18	Wall	Wall	Duct	—	6.18	6.18	18.54	—	30.90	9.80 ~ 33.30	2940	920 ~ 3370	14.4	4.5 ~ 16.5	98	
07+09+09	Wall	Wall	Wall	—	8.62	10.79	10.79	—	30.20	5.80 ~ 31.80	2710	600 ~ 3020	13.3	2.9 ~ 14.8	98	
07+09+09	Wall	Wall	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 31.60	2800	660 ~ 3170	13.7	3.2 ~ 15.6	98	
07+09+09	Wall	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 31.30	2900	720 ~ 3340	14.2	3.5 ~ 16.4	98	
07+09+12	Wall	Wall	Wall	—	7.68	9.59	13.43	—	30.70	7.00 ~ 33.20	2810	650 ~ 3350	13.8	3.2 ~ 16.4	98	
07+09+12	Wall	Wall	Duct	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2960	720 ~ 3450	14.5	3.5 ~ 16.9	98	
07+09+12	Wall	Duct	Wall	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2900	720 ~ 3450	14.2	3.5 ~ 16.9	98	
07+09+12	Wall	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 32.10	3010	790 ~ 3630	14.8	3.9 ~ 17.8	98	
07+09+15	Wall	Wall	Wall	—	6.57	8.21	16.42	—	31.20	9.80 ~ 33.70	2710	760 ~ 3180	13.3	3.7 ~ 15.6	98	
07+09+15	Wall	Wall	Duct	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2890	920 ~ 3370	14.2	4.5 ~ 16.5	98	
07+09+15	Wall	Duct	Wall	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2780	820 ~ 3250	13.6	4.0 ~ 15.9	98	
07+09+15	Wall	Duct	Duct	—	6.34	7.92	15.84	—	30.10	9.90 ~ 32.60	2920	980 ~ 3460	14.3	4.8 ~ 17.0	98	
07+09+18	Wall	Wall	Wall	—	6.04	7.55	18.11	—	31.70	9.70 ~ 34.20	2790	750 ~ 3270	13.7	3.7 ~ 16.0	98	
07+09+18	Wall	Wall	Duct	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	14.7	4.5 ~ 17.1	98	
07+09+18	Wall	Duct	Wall	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2800	820 ~ 3270	13.7	4.0 ~ 16.0	98	
07+09+18	Wall	Duct	Duct	—	5.83	7.29	17.48	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	14.8	4.8 ~ 17.5	98	
07+12+12	Wall	Wall	Wall	—	6.94	12.13	12.13	—	31.20	9.90 ~ 33.70	2920	800 ~ 3460	14.3	3.9 ~ 17.0	98	
07+12+12	Wall	Wall	Duct	—	6.82	11.94	11.94	—	30.70	9.90 ~ 33.10	3010	870 ~ 3570	14.8	4.3 ~ 17.5	98	
07+12+12	Wall	Duct	Duct	—	6.68	11.71	11.71	—	30.10	10.00 ~ 32.50	3120	950 ~ 3630	15.3	4.7 ~ 17.8	98	
07+12+15	Wall	Wall	Wall	—	6.04	10.57	15.09	—	31.70	9.80 ~ 34.20	2810	760 ~ 3290	13.8	3.7 ~ 16.1	98	
07+12+15	Wall	Wall	Duct	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	14.7	4.5 ~ 17.1	98	
07+12+15	Wall	Duct	Wall	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2830	820 ~ 3360	13.9	4.0 ~ 16.5	98	
07+12+15	Wall	Duct	Duct	—	5.83	10.20	14.57	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	14.8	4.8 ~ 17.5	98	
07+12+18	Wall	Wall	Wall	—	5.60	9.80	16.80	—	32.20	12.00 ~ 34.20	2840	870 ~ 3270	13.9	4.3 ~ 16.0	98	
07+12+18	Wall	Wall	Duct	—	5.51	9.65	16.54	—	31.70	12.10 ~ 33.90	3040	1040 ~ 3530	14.9	5.1 ~ 17.3	98	
07+12+18	Wall	Duct	Wall	—	5.51	9.65	16.54	—	31.70	12.00 ~ 33.90	2900	930 ~ 3380	14.2	4.6 ~ 16.6	98	
07+12+18	Wall	Duct	Duct	—	5.41	9.47	16.22	—	31.10	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98	
07+15+15	Wall	Wall	Wall	—	5.36	13.42	13.42	—	32.20	11.90 ~ 34.50	2780	850 ~ 3190	13.6	4.2 ~ 15.6	98	
07+15+15	Wall	Wall	Duct	—	5.28	13.21	13.21	—	31.70	12.00 ~ 33.90	2860	990 ~ 3330	14.0	4.9 ~ 16.3	98	
07+15+15	Wall	Duct	Duct	—	5.18	12.96	12.96	—	31.10	12.00 ~ 33.40	3020	1150 ~ 3500	14.8	5.6 ~ 17.2	98	
07+15+18	Wall	Wall	Wall	—	5.03	12.58	15.09	—	32.70	11.90 ~ 34.50	2820	850 ~ 3180	13.8	4.2 ~ 15.6	98	
07+15+18	Wall	Wall	Duct	—	4.95	12.38	14.87	—	32.20	12.00 ~ 33.90	2960	990 ~ 3330	14.5	4.9 ~ 16.3	98	
07+15+18	Wall	Duct	Wall	—	4.95	12.38	14.87	—	32.20	11.90 ~ 33.90	2940	990 ~ 3310	14.4	4.9 ~ 16.2	98	
07+15+18	Wall	Duct	Duct	—	4.86	12.15	14.59	—	31.60	12.00 ~ 33.40	3120	1150 ~ 3500	15.3	5.6 ~ 17.2	98	
07+18+18	Wall	Wall	Wall	—	4.76	14.27	14.27	—	33.30	11.80 ~ 34.50	2970	840 ~ 3180	14.6	4.1 ~ 15.6	98	
07+18+18	Wall	Wall	Duct	—	4.68	14.01	14.01	—	32.70	11.90 ~ 33.90	3050	990 ~ 3310	15.0	4.9 ~ 16.2	98	
07+18+18	Wall	Duct	Duct	—	4.60	13.80	13.80	—	32.20	12.00 ~ 33.40	3230	1150 ~ 3500	15.8	5.6 ~ 17.2	98	
09+09+09	Wall	Wall	Wall	—	10.17	10.17	10.17	—	30.50	7.00 ~ 33.00	2810	650 ~ 3300	13.8	3.2 ~ 16.2	98	
09+09+09	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 32.50	2850	720 ~ 3400	14.0	3.5 ~ 16.7	98	
09+09+09	Wall	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 31.90	2950	790 ~ 3510	14.5	3.9 ~ 17.2	98	
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 31.40	3070	860 ~ 3650	15.1	4.2 ~ 17.9	98	
09+09+12	Wall	Wall	Wall	—	9.12	9.12	12.76	—	31.00	7.00 ~ 33.50	2860	650 ~ 3410	14.0	3.2 ~ 16.7	98	
09+09+12	Wall	Wall	Duct	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	14.5	3.5 ~ 17.2	98	
09+09+12	Wall	Duct	Wall	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	14.5	3.5 ~ 17.2	98	
09+09+12	Wall	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	15.0	3.9 ~ 17.8	98	
09+09+12	Duct	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	15.0	3.9 ~ 17.8	98	
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 31.50	3180	860 ~ 3650	15.6	4.2 ~ 17.9	98	
09+09+15	Wall	Wall	Wall	—	7.88	7.88	15.74	—	31.50	9.80 ~ 34.00	2760	760 ~ 3290	13.5	3.7 ~ 16.1	98	
09+09+15	Wall	Wall	Duct	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2940	920 ~ 3420	14.4	4.5 ~ 16.8	98	
09+09+15	Wall	Duct	Wall	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2830	820 ~ 3300	13.9	4.0 ~ 16.2	98	
09+09+15	Wall	Duct	Duct	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	3020	980 ~ 3510	14.8	4.8 ~ 17.2	98	
09+09+15	Duct	Duct	Wall	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	2910	890 ~ 3390	14.3	4.4 ~ 16.6	98	
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 32.30	3120	1060 ~ 3620	15.3	5.2 ~ 17.8	98	
09+09+18	Wall	Wall	Wall	—	7.30	7.30	17.50	—	32.10	12.00 ~ 34.20	2840	870 ~ 3270	13.9	4.3 ~ 16.0	98	
09+09+18	Wall	Wall	Duct	—	7.16	7.16	17.18	—	31.50	12.10 ~ 33.60	3040	1040 ~ 3480	14.9	5.1 ~ 17.1	98	
09+09+18	Wall	Duct	Wall	—	7.16	7.16	17.18	—	31.50	12.00 ~ 33.90	2850	930 ~ 3380	14.0	4.6 ~ 16.6	98	
09+09+18	Wall	Duct	Duct	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+09+18	Duct	Duct	Wall	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	2920	1000 ~ 3470	14.3	4.9 ~ 17.0	98	
09+09+18	Duct	Duct	Duct	—	6.91	6.91	16.58	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	15.6	5.8 ~ 18.3	98	
09+12+12	Wall	Wall	Wall	—	8.28	11.61	11.61	—	31.50	9.90 ~ 33.70	2970	800 ~ 3460	14.6	3.9 ~ 17.0	98	
09+12+12	Wall	Wall	Duct	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	15.0	4.3 ~ 17.8	98	
09+12+12	Wall	Duct	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	15.6	4.7 ~ 17.8	98	
09+12+12	Duct	Wall	Wall	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	15.0	4.3 ~ 17.8	98	
09+12+12	Duct	Wall	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	15.6	4.7 ~ 17.8	98	
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 31.50	3300	1030 ~ 3650	16.2	5.1 ~ 17.9	98	
09+12+15	Wall	Wall	Wall	—	7.30	10.21	14.59	—	32.10	12.00 ~ 34.20	2870	880 ~ 3290	14.1	4.3 ~ 16.1	98	
09+12+15	Wall	Wall	Duct	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	3040	1040 ~ 3530	14.9	5.1 ~ 17.3	98	
09+12+15	Wall	Duct	Wall	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	14.4	4.6 ~ 16.8	98	
09+12+15	Wall	Duct	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98	
09+12+15	Duct	Wall	Wall	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	14.4	4.6 ~ 16.8	98	
09+12+15	Duct	Wall	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	15.4	5.4 ~ 17.8	98	
09+12+15	Duct	Duct	Wall	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	2960	1020 ~ 3500	14.5	5.0 ~ 17.2	98	
09+12+15	Duct	Duct	Duct	—	6.91	9.67	13.82	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	15.6	5.8 ~ 18.3	98	
09+12+18	Wall	Wall	Wall	—	6.79	9.51	16.30	—	32.60	12.00 ~ 34.20	2950	870 ~ 3270	14.5	4.3 ~ 16.0	98	
09+12+18	Wall	Wall	Duct	—	6.67	9.33	16.00	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	15.5	5.1 ~ 17.3	98	
09+12+18	Wall	Duct	Wall	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	14.5	4.6 ~ 16.6	98	
09+12+18	Wall	Duct	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98	
09+12+18	Duct	Wall	Wall	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	14.5	4.6 ~ 16.6	98	
09+12+18	Duct	Wall	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98	
09+12+18	Duct	Duct	Wall	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3030	1000 ~ 3470	14.9	4.9 ~ 17.0	98	
09+12+18	Duct	Duct	Duct	—	6.44	9.01	15.45	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	16.1	5.8 ~ 18.3	98	
09+15+15	Wall	Wall	Wall	—	6.52	13.04	13.04	—	32.60	11.90 ~ 34.50	2830	850 ~ 3190	13.9	4.2 ~ 15.6	98	
09+15+15	Wall	Wall	Duct	—	6.40	12.80	12.80	—	32.00	12.00 ~ 33.90	2960	990 ~ 3330	14.5	4.9 ~ 16.3	98	
09+15+15	Wall	Duct	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	3070	1150 ~ 3500	15.1	5.6 ~ 17.2	98	
09+15+15	Duct	Wall	Wall	—	6.40	12.80	12.80	—	32.00	11.90 ~ 33.90	2810	900 ~ 3230	13.8	4.4 ~ 15.8	98	
09+15+15	Duct	Wall	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	2960	1060 ~ 3390	14.5	5.2 ~ 16.6	98	
09+15+15	Duct	Duct	Duct	—	6.18	12.36	12.36	—	30.90	12.10 ~ 32.80	3150	1220 ~ 3520	15.5	6.0 ~ 17.3	98	
09+15+18	Wall	Wall	Wall	—	6.13	12.26	14.71	—	33.10	11.90 ~ 34.50	2920	850 ~ 3180	14.3	4.2 ~ 15.6	98	
09+15+18	Wall	Wall	Duct	—	6.02	12.04	14.44	—	32.50	12.00 ~ 34.00	3010	990 ~ 3330	14.8	4.9 ~ 16.3	98	
09+15+18	Wall	Duct	Wall	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2990	990 ~ 3310	14.7	4.9 ~ 16.2	98	
09+15+18	Wall	Duct	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	15.6	5.6 ~ 17.2	98	
09+15+18	Duct	Wall	Wall	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2890	900 ~ 3210	14.2	4.4 ~ 15.7	98	
09+15+18	Duct	Wall	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	15.1	5.2 ~ 16.6	98	
09+15+18	Duct	Duct	Wall	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3040	1050 ~ 3360	14.9	5.2 ~ 16.5	98	
09+15+18	Duct	Duct	Duct	—	5.81	11.63	13.96	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	15.9	6.0 ~ 17.6	98	
09+18+18	Wall	Wall	Wall	—	5.80	13.90	13.90	—	33.60	11.80 ~ 34.50	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98	
09+18+18	Wall	Wall	Duct	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	15.2	4.9 ~ 16.2	98	
09+18+18	Wall	Duct	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	16.1	5.6 ~ 17.2	98	
09+18+18	Duct	Wall	Wall	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	2980	900 ~ 3190	14.6	4.4 ~ 15.6	98	
09+18+18	Duct	Wall	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	15.5	5.2 ~ 16.5	98	
09+18+18	Duct	Duct	Duct	—	5.50	13.20	13.20	—	31.90	12.10 ~ 32.90	3310	1220 ~ 3580	16.2	6.0 ~ 17.6	98	
12+12+12	Wall	Wall	Wall	—	10.70	10.70	10.70	—	32.10	9.90 ~ 33.70	3080	800 ~ 3460	15.1	3.9 ~ 17.0	98	
12+12+12	Wall	Wall	Duct	—	10.50	10.50	10.50	—	31.50	9.90 ~ 33.40	3170	870 ~ 3630	15.6	4.3 ~ 17.8	98	
12+12+12	Wall	Duct	Duct	—	10.33	10.33	10.33	—	31.00	10.00 ~ 32.50	3280	950 ~ 3630	16.1	4.7 ~ 17.8	98	
12+12+12	Duct	Duct	Duct	—	10.13	10.13	10.13	—	30.40	10.10 ~ 31.50	3410	1030 ~ 3650	16.7	5.1 ~ 17.9	98	
12+12+15	Wall	Wall	Wall	—	9.51	9.51	13.58	—	32.60	12.00 ~ 34.20	2970	880 ~ 3290	14.6	4.3 ~ 16.1	98	
12+12+15	Wall	Wall	Duct	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	15.5	5.1 ~ 17.3	98	
12+12+15	Wall	Duct	Wall	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	2980	940 ~ 3420	14.6	4.6 ~ 16.8	98	
12+12+15	Wall	Duct	Duct	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	15.6	5.4 ~ 17.8	98	
12+12+15	Duct	Duct	Wall	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3060	1020 ~ 3500	15.0	5.0 ~ 17.2	98	
12+12+15	Duct	Duct	Duct	—	9.01	9.01	12.88	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	16.1	5.8 ~ 18.3	98	
12+12+18	Wall	Wall	Wall	—	8.91	8.91	15.28	—	33.10	12.00 ~ 34.20	3050	870 ~ 3270	15.0	4.3 ~ 16.0	98	
12+12+18	Wall	Wall	Duct	—	8.75	8.75	15.00	—	32.50	12.10 ~ 33.90	3200	1040 ~ 3530	15.7	5.1 ~ 17.3	98	
12+12+18	Wall	Duct	Wall	—	8.75	8.75	15.00	—	32.50	12.00 ~ 34.00	3060	930 ~ 3380	15.0	4.6 ~ 16.6	98	
12+12+18	Wall	Duct	Duct	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3290	1110 ~ 3680	16.1	5.4 ~ 18.1	98	
12+12+18	Duct	Duct	Wall	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3140	1000 ~ 3470	15.4	4.9 ~ 17.0	98	
12+12+18	Duct	Duct	Duct	—	8.45	8.45	14.50	—	31.40	12.20 ~ 32.90	3390	1190 ~ 3740	16.6	5.8 ~ 18.3	98	
12+15+15	Wall	Wall	Wall	—	8.58	12.26	12.26	—	33.10	11.90 ~ 34.50	2930	850 ~ 3190	14.4	4.2 ~ 15.6	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
12+15+15	Wall	Wall	Duct	—	8.42	12.04	12.04	—	32.50	12.00 ~ 34.00	3010	990 ~ 3380	14.8	4.9 ~ 16.6	98	
12+15+15	Wall	Duct	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	15.6	5.6 ~ 17.2	98	
12+15+15	Duct	Wall	Wall	—	8.42	12.04	12.04	—	32.50	11.90 ~ 34.00	2910	900 ~ 3230	14.3	4.4 ~ 15.8	98	
12+15+15	Duct	Wall	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	15.1	5.2 ~ 16.6	98	
12+15+15	Duct	Duct	Duct	—	8.14	11.63	11.63	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	15.9	6.0 ~ 17.6	98	
12+15+18	Wall	Wall	Wall	—	8.11	11.59	13.90	—	33.60	11.90 ~ 34.50	3020	850 ~ 3180	14.8	4.2 ~ 15.6	98	
12+15+18	Wall	Wall	Duct	—	7.96	11.38	13.66	—	33.00	12.00 ~ 34.00	3120	990 ~ 3330	15.3	4.9 ~ 16.3	98	
12+15+18	Wall	Duct	Wall	—	7.96	11.38	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	15.2	4.9 ~ 16.2	98	
12+15+18	Wall	Duct	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	16.1	5.6 ~ 17.2	98	
12+15+18	Duct	Wall	Wall	—	7.97	11.38	13.67	—	33.00	11.90 ~ 34.00	3000	900 ~ 3210	14.7	4.4 ~ 15.7	98	
12+15+18	Duct	Wall	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3170	1060 ~ 3390	15.6	5.2 ~ 16.6	98	
12+15+18	Duct	Duct	Wall	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	15.5	5.2 ~ 16.5	98	
12+15+18	Duct	Duct	Duct	—	7.70	11.00	13.20	—	31.90	12.10 ~ 32.90	3360	1220 ~ 3580	16.5	6.0 ~ 17.6	98	
07+07+07+07	Wall	Wall	Wall	Wall	7.68	7.68	7.68	7.68	30.70	6.70 ~ 33.20	2520	610 ~ 2970	12.4	3.0 ~ 14.6	98	
07+07+07+09	Wall	Wall	Wall	Wall	7.29	7.29	7.29	9.13	31.00	6.70 ~ 33.50	2570	610 ~ 2970	12.6	3.0 ~ 14.6	98	
07+07+07+09	Wall	Wall	Wall	Duct	7.20	7.20	7.20	9.00	30.60	6.80 ~ 33.10	2590	660 ~ 2990	12.7	3.2 ~ 14.7	98	
07+07+07+12	Wall	Wall	Wall	Wall	6.63	6.63	6.63	11.61	31.50	9.60 ~ 34.00	2620	730 ~ 3070	12.9	3.6 ~ 15.1	98	
07+07+07+12	Wall	Wall	Wall	Duct	6.55	6.55	6.55	11.45	31.10	9.70 ~ 33.60	2640	790 ~ 3090	13.0	3.9 ~ 15.2	98	
07+07+07+15	Wall	Wall	Wall	Wall	5.84	5.84	5.84	14.58	32.10	11.70 ~ 34.50	2710	840 ~ 3180	13.3	4.1 ~ 15.6	98	
07+07+07+15	Wall	Wall	Wall	Duct	5.76	5.76	5.76	14.42	31.70	11.80 ~ 34.10	2790	970 ~ 3250	13.7	4.8 ~ 15.9	98	
07+07+07+18	Wall	Wall	Wall	Wall	5.43	5.43	5.43	16.31	32.60	11.70 ~ 34.50	2820	850 ~ 3190	13.8	4.2 ~ 15.6	98	
07+07+07+18	Wall	Wall	Wall	Duct	5.37	5.37	5.37	16.09	32.20	11.80 ~ 34.10	2890	970 ~ 3250	14.2	4.8 ~ 15.9	98	
07+07+09+09	Wall	Wall	Wall	Wall	6.98	6.98	8.72	8.72	31.40	9.60 ~ 33.80	2620	730 ~ 3020	12.9	3.6 ~ 14.8	98	
07+07+09+09	Wall	Wall	Wall	Duct	6.89	6.89	8.61	8.61	31.00	9.70 ~ 33.40	2640	790 ~ 3040	13.0	3.9 ~ 14.9	98	
07+07+09+09	Wall	Wall	Duct	Duct	6.80	6.80	8.50	8.50	30.60	9.70 ~ 33.00	2680	840 ~ 3130	13.1	4.1 ~ 15.4	98	
07+07+09+12	Wall	Wall	Wall	Wall	6.38	6.38	7.98	11.16	31.90	9.60 ~ 34.30	2710	730 ~ 3130	13.3	3.6 ~ 15.4	98	
07+07+09+12	Wall	Wall	Wall	Duct	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	13.4	3.9 ~ 15.5	98	
07+07+09+12	Wall	Wall	Duct	Wall	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	13.4	3.9 ~ 15.5	98	
07+07+09+12	Wall	Wall	Duct	Duct	6.22	6.22	7.78	10.88	31.10	9.70 ~ 33.50	2730	840 ~ 3190	13.4	4.1 ~ 15.6	98	
07+07+09+15	Wall	Wall	Wall	Wall	5.63	5.63	7.04	14.10	32.40	11.70 ~ 34.50	2760	840 ~ 3180	13.5	4.1 ~ 15.6	98	
07+07+09+15	Wall	Wall	Wall	Duct	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2840	970 ~ 3250	13.9	4.8 ~ 15.9	98	
07+07+09+15	Wall	Wall	Duct	Wall	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2750	890 ~ 3160	13.5	4.4 ~ 15.5	98	
07+07+09+15	Wall	Wall	Duct	Duct	5.50	5.50	6.87	13.73	31.60	11.90 ~ 33.70	2850	1020 ~ 3260	14.0	5.0 ~ 16.0	98	
07+07+09+18	Wall	Wall	Wall	Wall	5.26	5.26	6.58	15.80	32.90	11.70 ~ 34.60	2870	850 ~ 3190	14.1	4.2 ~ 15.6	98	
07+07+09+18	Wall	Wall	Wall	Duct	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98	
07+07+09+18	Wall	Wall	Duct	Wall	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2850	890 ~ 3210	14.0	4.4 ~ 15.7	98	
07+07+09+18	Wall	Wall	Duct	Duct	5.14	5.14	6.42	15.40	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	14.2	5.0 ~ 16.0	98	
07+07+12+12	Wall	Wall	Wall	Wall	5.89	5.89	10.31	10.31	32.40	11.90 ~ 34.50	2760	840 ~ 3180	13.5	4.1 ~ 15.6	98	
07+07+12+12	Wall	Wall	Wall	Duct	5.82	5.82	10.18	10.18	32.00	11.90 ~ 34.10	2790	900 ~ 3250	13.7	4.4 ~ 15.9	98	
07+07+12+12	Wall	Wall	Duct	Duct	5.75	5.75	10.05	10.05	31.60	12.00 ~ 33.70	2830	960 ~ 3240	13.9	4.7 ~ 15.9	98	
07+07+12+15	Wall	Wall	Wall	Wall	5.26	5.26	9.21	13.17	32.90	11.70 ~ 34.60	2860	840 ~ 3180	14.0	4.1 ~ 15.6	98	
07+07+12+15	Wall	Wall	Wall	Duct	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98	
07+07+12+15	Wall	Wall	Duct	Wall	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2850	890 ~ 3210	14.0	4.4 ~ 15.7	98	
07+07+12+15	Wall	Wall	Duct	Duct	5.14	5.14	8.99	12.83	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	14.2	5.0 ~ 16.0	98	
07+07+12+18	Wall	Wall	Wall	Wall	4.95	4.95	8.66	14.84	33.40	11.70 ~ 34.60	2970	850 ~ 3190	14.6	4.2 ~ 15.6	98	
07+07+12+18	Wall	Wall	Wall	Duct	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98	
07+07+12+18	Wall	Wall	Duct	Wall	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2900	890 ~ 3210	14.2	4.4 ~ 15.7	98	
07+07+12+18	Wall	Wall	Duct	Duct	4.83	4.83	8.45	14.49	32.60	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98	
07+09+09+09	Wall	Wall	Wall	Wall	6.68	8.34	8.34	8.34	31.70	9.60 ~ 34.20	2660	730 ~ 3130	13.0	3.6 ~ 15.4	98	
07+09+09+09	Wall	Wall	Wall	Duct	6.58	8.24	8.24	8.24	31.30	9.70 ~ 33.80	2690	790 ~ 3150	13.2	3.9 ~ 15.5	98	
07+09+09+09	Wall	Wall	Duct	Duct	6.51	8.13	8.13	8.13	30.90	9.70 ~ 33.40	2730	840 ~ 3190	13.4	4.1 ~ 15.6	98	
07+09+09+09	Wall	Duct	Duct	Duct	6.41	8.03	8.03	8.03	30.50	9.80 ~ 32.90	2780	900 ~ 3250	13.6	4.4 ~ 15.9	98	
07+09+09+12	Wall	Wall	Wall	Wall	6.13	7.67	7.67	10.73	32.20	9.60 ~ 34.50	2760	730 ~ 3180	13.5	3.6 ~ 15.6	98	
07+09+09+12	Wall	Wall	Wall	Duct	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	13.7	3.9 ~ 15.7	98	
07+09+09+12	Wall	Wall	Duct	Wall	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	13.7	3.9 ~ 15.7	98	
07+09+09+12	Wall	Wall	Duct	Duct	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98	
07+09+09+12	Wall	Duct	Duct	Wall	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98	
07+09+09+12	Wall	Duct	Duct	Duct	5.90	7.38	7.38	10.34	31.00	9.80 ~ 33.20	2880	900 ~ 3300	14.1	4.4 ~ 16.2	98	
07+09+09+15	Wall	Wall	Wall	Wall	5.45	6.81	6.81	13.63	32.70	11.70 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98	
07+09+09+15	Wall	Wall	Wall	Duct	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2890	970 ~ 3250	14.2	4.8 ~ 15.9	98	
07+09+09+15	Wall	Wall	Duct	Wall	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2800	890 ~ 3160	13.7	4.4 ~ 15.5	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+09+09+15	Wall	Wall	Duct	Duct	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2900	1020 ~ 3200	14.2	5.0 ~ 15.7	98
07+09+09+15	Wall	Duct	Duct	Wall	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2810	930 ~ 3110	13.8	4.6 ~ 15.3	98
07+09+09+15	Wall	Duct	Duct	Duct	5.25	6.56	6.56	13.13	31.50	11.90 ~ 33.20	2930	1080 ~ 3230	14.4	5.3 ~ 15.8	98
07+09+09+18	Wall	Wall	Wall	Wall	5.12	6.40	6.40	15.38	33.30	11.70 ~ 34.60	2920	850 ~ 3190	14.3	4.2 ~ 15.6	98
07+09+09+18	Wall	Wall	Wall	Duct	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98
07+09+09+18	Wall	Wall	Duct	Wall	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+09+18	Wall	Wall	Duct	Duct	5.00	6.25	6.25	15.00	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+09+18	Wall	Duct	Duct	Wall	5.00	6.25	6.25	15.00	32.50	11.80 ~ 33.80	2900	930 ~ 3110	14.2	4.6 ~ 15.3	98
07+09+09+18	Wall	Duct	Duct	Duct	4.92	6.15	6.15	14.78	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
07+09+12+12	Wall	Wall	Wall	Wall	5.69	7.11	9.95	9.95	32.70	11.90 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98
07+09+12+12	Wall	Wall	Wall	Duct	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	13.9	4.4 ~ 15.9	98
07+09+12+12	Wall	Wall	Duct	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
07+09+12+12	Wall	Duct	Wall	Wall	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	13.9	4.4 ~ 15.9	98
07+09+12+12	Wall	Duct	Wall	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
07+09+12+12	Wall	Duct	Duct	Duct	5.48	6.84	9.59	9.59	31.50	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
07+09+12+15	Wall	Wall	Wall	Wall	5.12	6.40	8.97	12.81	33.30	11.70 ~ 34.60	2910	840 ~ 3180	14.3	4.1 ~ 15.6	98
07+09+12+15	Wall	Wall	Wall	Duct	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2990	970 ~ 3250	14.7	4.8 ~ 15.9	98
07+09+12+15	Wall	Wall	Duct	Wall	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+12+15	Wall	Wall	Duct	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+12+15	Wall	Duct	Wall	Wall	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	14.2	4.4 ~ 15.5	98
07+09+12+15	Wall	Duct	Wall	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	14.7	5.0 ~ 16.0	98
07+09+12+15	Wall	Duct	Duct	Wall	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	2910	930 ~ 3110	14.3	4.6 ~ 15.3	98
07+09+12+15	Wall	Duct	Duct	Duct	4.92	6.15	8.62	12.31	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
07+12+12+12	Wall	Wall	Wall	Wall	5.34	9.32	9.32	9.32	33.30	11.90 ~ 34.50	2970	840 ~ 3180	14.6	4.1 ~ 15.6	98
07+12+12+12	Wall	Wall	Wall	Duct	5.27	9.21	9.21	9.21	32.90	11.90 ~ 34.20	2940	900 ~ 3250	14.4	4.4 ~ 15.9	98
07+12+12+12	Wall	Wall	Duct	Duct	5.20	9.10	9.10	9.10	32.50	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
07+12+12+12	Wall	Duct	Duct	Duct	5.12	8.96	8.96	8.96	32.00	12.00 ~ 33.30	3030	1020 ~ 3300	14.9	5.0 ~ 16.2	98
09+09+09+09	Wall	Wall	Wall	Wall	8.03	8.03	8.03	8.03	32.10	9.60 ~ 34.50	2710	730 ~ 3180	13.3	3.6 ~ 15.6	98
09+09+09+09	Wall	Wall	Wall	Duct	7.93	7.93	7.93	7.93	31.70	9.70 ~ 34.10	2740	790 ~ 3200	13.4	3.9 ~ 15.7	98
09+09+09+09	Wall	Wall	Duct	Duct	7.83	7.83	7.83	7.83	31.30	9.70 ~ 33.70	2780	840 ~ 3240	13.6	4.1 ~ 15.9	98
09+09+09+09	Wall	Duct	Duct	Duct	7.70	7.70	7.70	7.70	30.80	9.80 ~ 33.20	2830	900 ~ 3300	13.9	4.4 ~ 16.2	98
09+09+09+09	Duct	Duct	Duct	Duct	7.60	7.60	7.60	7.60	30.40	9.90 ~ 32.80	2900	970 ~ 3380	14.2	4.8 ~ 16.6	98
09+09+09+12	Wall	Wall	Wall	Wall	7.41	7.41	7.41	10.37	32.60	11.90 ~ 34.50	2810	840 ~ 3180	13.8	4.1 ~ 15.6	98
09+09+09+12	Wall	Wall	Wall	Duct	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	13.9	4.4 ~ 15.7	98
09+09+09+12	Wall	Wall	Duct	Wall	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	13.9	4.4 ~ 15.7	98
09+09+09+12	Wall	Wall	Duct	Duct	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
09+09+09+12	Wall	Duct	Duct	Wall	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	14.1	4.7 ~ 15.9	98
09+09+09+12	Wall	Duct	Duct	Duct	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
09+09+09+12	Duct	Duct	Duct	Wall	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	14.4	5.0 ~ 16.2	98
09+09+09+12	Duct	Duct	Duct	Duct	7.02	7.02	7.02	9.84	30.90	12.10 ~ 32.80	3000	1090 ~ 3380	14.7	5.3 ~ 16.6	98
09+09+09+15	Wall	Wall	Wall	Wall	6.62	6.62	6.62	13.24	33.10	11.70 ~ 34.60	2910	840 ~ 3180	14.3	4.1 ~ 15.6	98
09+09+09+15	Wall	Wall	Wall	Duct	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2940	970 ~ 3250	14.4	4.8 ~ 15.9	98
09+09+09+15	Wall	Wall	Duct	Wall	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2850	890 ~ 3160	14.0	4.4 ~ 15.5	98
09+09+09+15	Wall	Wall	Duct	Duct	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2950	1020 ~ 3260	14.5	5.0 ~ 16.0	98
09+09+09+15	Wall	Duct	Duct	Wall	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2860	930 ~ 3110	14.0	4.6 ~ 15.3	98
09+09+09+15	Wall	Duct	Duct	Duct	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2980	1080 ~ 3230	14.6	5.3 ~ 15.8	98
09+09+09+15	Duct	Duct	Duct	Wall	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2880	990 ~ 3130	14.1	4.9 ~ 15.4	98
09+09+09+15	Duct	Duct	Duct	Duct	6.28	6.28	6.28	12.56	31.40	12.00 ~ 32.90	3020	1140 ~ 3280	14.8	5.6 ~ 16.1	98
09+09+09+18	Wall	Wall	Wall	Wall	6.22	6.22	6.22	14.94	33.60	11.70 ~ 34.60	3030	850 ~ 3190	14.9	4.2 ~ 15.6	98
09+09+09+18	Wall	Wall	Wall	Duct	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	3040	970 ~ 3250	14.9	4.8 ~ 15.9	98
09+09+09+18	Wall	Wall	Duct	Wall	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	2950	890 ~ 3160	14.5	4.4 ~ 15.5	98
09+09+09+18	Wall	Wall	Duct	Duct	6.07	6.07	6.07	14.59	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98
09+09+09+18	Wall	Duct	Duct	Wall	6.07	6.07	6.07	14.59	32.80	11.80 ~ 33.80	2950	930 ~ 3110	14.5	4.6 ~ 15.3	98
09+09+09+18	Wall	Duct	Duct	Duct	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98
09+09+09+18	Duct	Duct	Duct	Wall	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	2920	980 ~ 3120	14.3	4.8 ~ 15.3	98
09+09+09+18	Duct	Duct	Duct	Duct	5.91	5.91	5.91	14.17	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	15.1	5.6 ~ 16.1	98
09+09+12+12	Wall	Wall	Wall	Wall	6.90	6.90	9.65	9.65	33.10	11.90 ~ 34.50	2920	840 ~ 3180	14.3	4.1 ~ 15.6	98
09+09+12+12	Wall	Wall	Wall	Duct	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	14.4	4.4 ~ 15.7	98
09+09+12+12	Wall	Wall	Duct	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98
09+09+12+12	Wall	Duct	Wall	Wall	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	14.4	4.4 ~ 15.7	98
09+09+12+12	Wall	Duct	Wall	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+09+12+12	Wall	Duct	Duct	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	14.6	5.0 ~ 16.2	98	
09+09+12+12	Duct	Duct	Wall	Wall	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	14.6	4.7 ~ 15.9	98	
09+09+12+12	Duct	Duct	Wall	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	14.6	5.0 ~ 16.2	98	
09+09+12+12	Duct	Duct	Duct	Duct	6.54	6.54	9.16	9.16	31.40	12.10 ~ 32.90	3050	1090 ~ 3380	15.0	5.3 ~ 16.6	98	
09+09+12+15	Wall	Wall	Wall	Wall	6.22	6.22	8.72	12.44	33.60	11.70 ~ 34.60	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98	
09+09+12+15	Wall	Wall	Wall	Duct	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	3040	970 ~ 3250	14.9	4.8 ~ 15.9	98	
09+09+12+15	Wall	Wall	Duct	Wall	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	14.5	4.4 ~ 15.5	98	
09+09+12+15	Wall	Wall	Duct	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98	
09+09+12+15	Wall	Duct	Wall	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	15.0	5.0 ~ 16.0	98	
09+09+12+15	Wall	Duct	Duct	Wall	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	14.5	4.6 ~ 15.3	98	
09+09+12+15	Wall	Duct	Duct	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98	
09+09+12+15	Duct	Duct	Wall	Wall	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	14.5	4.6 ~ 15.3	98	
09+09+12+15	Duct	Duct	Wall	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	14.9	5.3 ~ 15.8	98	
09+09+12+15	Duct	Duct	Duct	Wall	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	2930	990 ~ 3130	14.4	4.9 ~ 15.4	98	
09+09+12+15	Duct	Duct	Duct	Duct	5.91	5.91	8.27	11.81	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	15.1	5.6 ~ 16.1	98	
09+12+12+12	Wall	Wall	Wall	Wall	6.45	9.05	9.05	9.05	33.60	11.90 ~ 34.50	3020	840 ~ 3180	14.8	4.1 ~ 15.6	98	
09+12+12+12	Wall	Wall	Wall	Duct	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	14.9	4.4 ~ 15.7	98	
09+12+12+12	Wall	Wall	Duct	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	14.9	4.7 ~ 15.9	98	
09+12+12+12	Wall	Duct	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	15.2	5.0 ~ 16.2	98	
09+12+12+12	Duct	Wall	Wall	Wall	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	14.9	4.4 ~ 15.7	98	
09+12+12+12	Duct	Wall	Wall	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	14.9	4.7 ~ 15.9	98	
09+12+12+12	Duct	Wall	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	15.2	5.0 ~ 16.2	98	
09+12+12+12	Duct	Duct	Duct	Duct	6.13	8.59	8.59	8.59	31.90	12.10 ~ 32.90	3160	1090 ~ 3380	15.5	5.3 ~ 16.6	98	

- Note:**
- Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  - The total ability of connected indoor units is up to 45.0 kBtu/h.
  - It is impossible to connect only one indoor unit.
  - Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series
- 3D078864  
3D078865  
3D078866  
3D078867  
3D078868  
3D078869  
3D078870  
3D078871

Cooling [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
07	Wall	—	—	—	7.60	—	—	—	7.60	6.50 ~ 7.60	670	590 ~ 670	3.0	2.6 ~ 3.0	98	
09	Wall	—	—	—	9.70	—	—	—	9.70	6.50 ~ 9.70	820	590 ~ 820	3.6	2.6 ~ 3.6	98	
09	Duct	—	—	—	9.40	—	—	—	9.40	6.00 ~ 9.40	880	620 ~ 880	3.9	2.8 ~ 3.9	98	
12	Wall	—	—	—	13.00	—	—	—	13.00	6.50 ~ 13.00	1130	590 ~ 1130	5.0	2.6 ~ 5.0	98	
12	Duct	—	—	—	12.10	—	—	—	12.10	6.00 ~ 12.10	1160	620 ~ 1160	5.1	2.8 ~ 5.1	98	
15	Wall	—	—	—	16.20	—	—	—	16.20	7.00 ~ 16.20	1430	600 ~ 1430	6.3	2.7 ~ 6.3	98	
15	Duct	—	—	—	15.10	—	—	—	15.10	6.70 ~ 15.10	1510	730 ~ 1510	6.7	3.2 ~ 6.7	98	
18	Wall	—	—	—	19.50	—	—	—	19.50	7.50 ~ 19.50	1950	630 ~ 1950	8.7	2.8 ~ 8.7	98	
18	Duct	—	—	—	18.10	—	—	—	18.10	7.20 ~ 18.10	1960	750 ~ 1960	8.7	3.3 ~ 8.7	98	
07+07	Wall	Wall	—	—	8.30	8.30	—	—	16.60	7.90 ~ 16.60	1310	620 ~ 1310	5.8	2.8 ~ 5.8	98	
07+09	Wall	Wall	—	—	8.09	10.11	—	—	18.20	7.90 ~ 18.20	1480	620 ~ 1480	6.6	2.8 ~ 6.6	98	
07+09	Wall	Duct	—	—	7.38	9.22	—	—	16.60	7.50 ~ 16.60	1420	660 ~ 1420	6.3	2.9 ~ 6.3	98	
07+12	Wall	Wall	—	—	7.75	13.55	—	—	21.30	7.90 ~ 21.30	1900	620 ~ 1900	8.4	2.8 ~ 8.4	98	
07+12	Wall	Duct	—	—	7.20	12.60	—	—	19.80	7.50 ~ 19.80	1880	660 ~ 1880	8.3	2.9 ~ 8.3	98	
07+15	Wall	Wall	—	—	7.46	18.64	—	—	26.10	9.30 ~ 26.10	2760	680 ~ 2760	12.2	3.0 ~ 12.2	98	
07+15	Wall	Duct	—	—	6.69	16.71	—	—	23.40	9.10 ~ 23.40	2360	810 ~ 2360	10.5	3.6 ~ 10.5	98	
07+18	Wall	Wall	—	—	6.65	19.95	—	—	26.60	9.90 ~ 26.60	2830	710 ~ 2830	12.6	3.1 ~ 12.6	98	
07+18	Wall	Duct	—	—	5.93	17.78	—	—	23.70	9.60 ~ 23.70	2410	840 ~ 2410	10.7	3.7 ~ 10.7	98	
09+09	Wall	Wall	—	—	9.90	9.90	—	—	19.80	7.90 ~ 19.80	1660	620 ~ 1660	7.4	2.8 ~ 7.4	98	
09+09	Wall	Duct	—	—	9.10	9.10	—	—	18.20	7.50 ~ 18.20	1640	660 ~ 1640	7.3	2.9 ~ 7.3	98	
09+09	Duct	Duct	—	—	8.25	8.25	—	—	16.50	7.10 ~ 16.50	1530	690 ~ 1530	6.8	3.1 ~ 6.8	98	
09+12	Wall	Wall	—	—	9.50	13.30	—	—	22.80	8.40 ~ 22.80	2160	650 ~ 2160	9.6	2.9 ~ 9.6	98	
09+12	Wall	Duct	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98	
09+12	Duct	Wall	—	—	8.88	12.42	—	—	21.30	8.00 ~ 21.30	2130	680 ~ 2130	9.4	3.0 ~ 9.4	98	
09+12	Duct	Duct	—	—	8.21	11.49	—	—	19.70	7.60 ~ 19.70	2040	720 ~ 2040	9.1	3.2 ~ 9.1	98	
09+15	Wall	Wall	—	—	8.67	17.33	—	—	26.00	9.90 ~ 26.00	2700	710 ~ 2700	12.0	3.1 ~ 12.0	98	
09+15	Wall	Duct	—	—	8.47	16.93	—	—	25.40	9.60 ~ 25.40	2820	840 ~ 2820	12.5	3.7 ~ 12.5	98	
09+15	Duct	Wall	—	—	8.17	16.33	—	—	24.50	9.40 ~ 24.50	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98	
09+15	Duct	Duct	—	—	7.97	15.93	—	—	23.90	9.20 ~ 23.90	2770	880 ~ 2770	12.3	3.9 ~ 12.3	98	
09+18	Wall	Wall	—	—	7.97	19.13	—	—	27.10	9.90 ~ 27.10	3020	710 ~ 3020	13.4	3.1 ~ 13.4	98	
09+18	Wall	Duct	—	—	7.76	18.64	—	—	26.40	9.60 ~ 26.40	3120	840 ~ 3120	13.8	3.7 ~ 13.8	98	
09+18	Duct	Wall	—	—	7.85	18.85	—	—	26.70	9.50 ~ 26.70	3290	750 ~ 3290	14.6	3.3 ~ 14.6	98	
09+18	Duct	Duct	—	—	7.65	18.35	—	—	26.00	9.20 ~ 26.00	3460	880 ~ 3460	15.4	3.9 ~ 15.4	98	
12+12	Wall	Wall	—	—	13.05	13.05	—	—	26.10	8.90 ~ 26.10	3040	670 ~ 3040	13.5	3.0 ~ 13.5	98	
12+12	Duct	Wall	—	—	12.30	12.30	—	—	24.60	8.50 ~ 24.60	2990	710 ~ 2990	13.3	3.1 ~ 13.3	98	
12+12	Duct	Duct	—	—	11.50	11.50	—	—	23.00	8.00 ~ 23.00	2870	750 ~ 2870	12.7	3.3 ~ 12.7	98	
12+15	Wall	Wall	—	—	11.20	16.00	—	—	27.20	9.90 ~ 27.20	3080	710 ~ 3080	13.7	3.1 ~ 13.7	98	
12+15	Wall	Duct	—	—	10.91	15.59	—	—	26.50	9.60 ~ 26.50	3190	840 ~ 3190	14.2	3.7 ~ 14.2	98	
12+15	Duct	Wall	—	—	10.87	15.53	—	—	26.40	9.40 ~ 26.40	3220	750 ~ 3220	14.3	3.3 ~ 14.3	98	
12+15	Duct	Duct	—	—	10.58	15.12	—	—	25.70	9.20 ~ 25.70	3320	880 ~ 3320	14.7	3.9 ~ 14.7	98	
12+18	Wall	Wall	—	—	10.43	17.87	—	—	28.30	12.90 ~ 28.30	3550	900 ~ 3550	15.7	4.0 ~ 15.7	98	
12+18	Wall	Duct	—	—	10.17	17.43	—	—	27.60	12.50 ~ 27.60	3650	1030 ~ 3650	16.2	4.6 ~ 16.2	98	
12+18	Duct	Wall	—	—	10.09	17.31	—	—	27.40	12.40 ~ 27.40	3630	940 ~ 3630	16.1	4.2 ~ 16.1	98	
12+18	Duct	Duct	—	—	9.73	16.67	—	—	26.40	11.90 ~ 26.40	3660	1060 ~ 3660	16.2	4.7 ~ 16.2	98	
15+15	Wall	Wall	—	—	14.20	14.20	—	—	28.40	13.40 ~ 28.40	3180	910 ~ 3180	14.1	4.0 ~ 14.1	98	
15+15	Duct	Wall	—	—	13.85	13.85	—	—	27.70	13.10 ~ 27.70	3490	1030 ~ 3490	15.5	4.6 ~ 15.5	98	
15+15	Duct	Duct	—	—	13.50	13.50	—	—	27.00	12.80 ~ 27.00	3400	1160 ~ 3400	15.1	5.1 ~ 15.1	98	
15+18	Wall	Wall	—	—	13.36	16.04	—	—	29.40	13.50 ~ 29.40	3660	910 ~ 3660	16.2	4.0 ~ 16.2	98	
15+18	Wall	Duct	—	—	12.95	15.55	—	—	28.50	13.10 ~ 28.50	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98	
15+18	Duct	Wall	—	—	13.00	15.60	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98	
15+18	Duct	Duct	—	—	12.64	15.16	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	16.2	5.1 ~ 16.2	98	
18+18	Wall	Wall	—	—	14.70	14.70	—	—	29.40	13.50 ~ 29.40	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98	
18+18	Duct	Wall	—	—	14.30	14.30	—	—	28.60	13.20 ~ 28.60	3630	1030 ~ 3630	16.1	4.6 ~ 16.1	98	
18+18	Duct	Duct	—	—	13.90	13.90	—	—	27.80	12.80 ~ 27.80	3660	1160 ~ 3660	16.2	5.1 ~ 16.2	98	
07+07+07	Wall	Wall	Wall	—	8.00	8.00	8.00	—	24.00	9.50 ~ 24.00	1910	640 ~ 1910	8.5	2.8 ~ 8.5	98	
07+07+09	Wall	Wall	Wall	—	7.82	7.82	9.76	—	25.40	10.10 ~ 25.40	2130	670 ~ 2130	9.4	3.0 ~ 9.4	98	
07+07+09	Wall	Wall	Duct	—	7.60	7.60	9.50	—	24.70	9.80 ~ 24.70	2210	720 ~ 2210	9.8	3.2 ~ 9.8	98	
07+07+12	Wall	Wall	Wall	—	7.28	7.28	12.74	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	11.2	3.1 ~ 11.2	98	



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
07+07+12	Wall	Wall	Duct	—	7.09	7.09	12.42	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98	
07+07+15	Wall	Wall	Wall	—	6.44	6.44	16.12	—	29.00	14.50 ~ 29.00	2790	910 ~ 2790	12.4	4.0 ~ 12.4	98	
07+07+15	Wall	Wall	Duct	—	6.00	6.00	15.00	—	27.00	14.20 ~ 27.00	2550	1040 ~ 2550	11.3	4.6 ~ 11.3	98	
07+07+18	Wall	Wall	Wall	—	5.88	5.88	17.64	—	29.40	14.60 ~ 29.40	2920	910 ~ 2920	13.0	4.0 ~ 13.0	98	
07+07+18	Wall	Wall	Duct	—	5.50	5.50	16.50	—	27.50	14.20 ~ 27.50	2660	1040 ~ 2660	11.8	4.6 ~ 11.8	98	
07+09+09	Wall	Wall	Wall	—	7.66	9.57	9.57	—	26.80	10.10 ~ 26.80	2410	670 ~ 2410	10.7	3.0 ~ 10.7	98	
07+09+09	Wall	Wall	Duct	—	7.46	9.32	9.32	—	26.10	9.80 ~ 26.10	2490	720 ~ 2490	11.0	3.2 ~ 11.0	98	
07+09+09	Wall	Duct	Duct	—	7.40	9.25	9.25	—	25.90	9.50 ~ 25.90	2680	770 ~ 2680	11.9	3.4 ~ 11.9	98	
07+09+12	Wall	Wall	Wall	—	6.98	8.72	12.20	—	27.90	10.70 ~ 27.90	2700	700 ~ 2700	12.0	3.1 ~ 12.0	98	
07+09+12	Wall	Wall	Duct	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	12.4	3.3 ~ 12.4	98	
07+09+12	Wall	Duct	Wall	—	6.80	8.50	11.90	—	27.20	10.40 ~ 27.20	2790	750 ~ 2790	12.4	3.3 ~ 12.4	98	
07+09+12	Wall	Duct	Duct	—	6.75	8.44	11.81	—	27.00	10.00 ~ 27.00	2990	800 ~ 2990	13.3	3.5 ~ 13.3	98	
07+09+15	Wall	Wall	Wall	—	6.21	7.76	15.53	—	29.50	14.50 ~ 29.50	2980	910 ~ 2980	13.2	4.0 ~ 13.2	98	
07+09+15	Wall	Wall	Duct	—	5.81	7.26	14.53	—	27.60	14.20 ~ 27.60	2660	1040 ~ 2660	11.8	4.6 ~ 11.8	98	
07+09+15	Wall	Duct	Wall	—	6.08	7.61	15.21	—	28.90	14.10 ~ 28.90	3070	950 ~ 3070	13.6	4.2 ~ 13.6	98	
07+09+15	Wall	Duct	Duct	—	5.66	7.08	14.16	—	26.90	13.80 ~ 26.90	2750	1080 ~ 2750	12.2	4.8 ~ 12.2	98	
07+09+18	Wall	Wall	Wall	—	5.75	7.19	17.26	—	30.20	14.60 ~ 30.20	3250	910 ~ 3250	14.4	4.0 ~ 14.4	98	
07+09+18	Wall	Wall	Duct	—	5.39	6.74	16.17	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	12.6	4.6 ~ 12.6	98	
07+09+18	Wall	Duct	Wall	—	5.62	7.02	16.86	—	29.50	14.10 ~ 29.50	3270	950 ~ 3270	14.5	4.2 ~ 14.5	98	
07+09+18	Wall	Duct	Duct	—	5.26	6.57	15.77	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	13.0	4.8 ~ 13.0	98	
07+12+12	Wall	Wall	Wall	—	6.44	11.28	11.28	—	29.00	14.00 ~ 29.00	3090	910 ~ 3090	13.7	4.0 ~ 13.7	98	
07+12+12	Wall	Wall	Duct	—	6.32	11.04	11.04	—	28.40	13.60 ~ 28.40	3170	950 ~ 3170	14.1	4.2 ~ 14.1	98	
07+12+12	Wall	Duct	Duct	—	6.22	10.89	10.89	—	28.00	13.00 ~ 28.00	3380	990 ~ 3380	15.0	4.4 ~ 15.0	98	
07+12+15	Wall	Wall	Wall	—	5.75	10.07	14.38	—	30.20	14.50 ~ 30.20	3250	910 ~ 3250	14.4	4.0 ~ 14.4	98	
07+12+15	Wall	Wall	Duct	—	5.39	9.43	13.48	—	28.30	14.20 ~ 28.30	2840	1040 ~ 2840	12.6	4.6 ~ 12.6	98	
07+12+15	Wall	Duct	Wall	—	5.62	9.83	14.05	—	29.50	14.10 ~ 29.50	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98	
07+12+15	Wall	Duct	Duct	—	5.26	9.20	13.14	—	27.60	13.80 ~ 27.60	2930	1080 ~ 2930	13.0	4.8 ~ 13.0	98	
07+12+18	Wall	Wall	Wall	—	5.34	9.34	16.02	—	30.70	14.60 ~ 30.70	3520	910 ~ 3520	15.6	4.0 ~ 15.6	98	
07+12+18	Wall	Wall	Duct	—	5.03	8.80	15.07	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	13.4	4.6 ~ 13.4	98	
07+12+18	Wall	Duct	Wall	—	5.23	9.16	15.71	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	15.7	4.2 ~ 15.7	98	
07+12+18	Wall	Duct	Duct	—	4.90	8.58	14.72	—	28.20	13.80 ~ 28.20	3120	1080 ~ 3120	13.8	4.8 ~ 13.8	98	
07+15+15	Wall	Wall	Wall	—	5.13	12.83	12.84	—	30.80	14.90 ~ 30.80	3340	900 ~ 3340	14.8	4.0 ~ 14.8	98	
07+15+15	Wall	Wall	Duct	—	4.84	12.08	12.08	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98	
07+15+15	Wall	Duct	Duct	—	4.54	11.33	11.33	—	27.20	14.40 ~ 27.20	2630	1170 ~ 2630	11.7	5.2 ~ 11.7	98	
07+15+18	Wall	Wall	Wall	—	4.74	11.85	14.21	—	30.80	15.00 ~ 30.80	3270	900 ~ 3270	14.5	4.0 ~ 14.5	98	
07+15+18	Wall	Wall	Duct	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98	
07+15+18	Wall	Duct	Wall	—	4.46	11.15	13.39	—	29.00	14.70 ~ 29.00	2870	1030 ~ 2870	12.7	4.6 ~ 12.7	98	
07+15+18	Wall	Duct	Duct	—	4.20	10.50	12.60	—	27.30	14.40 ~ 27.30	2680	1170 ~ 2680	11.9	5.2 ~ 11.9	98	
07+18+18	Wall	Wall	Wall	—	4.46	13.37	13.37	—	31.20	15.00 ~ 31.20	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98	
07+18+18	Wall	Wall	Duct	—	4.38	13.16	13.16	—	30.70	14.70 ~ 30.70	3530	1030 ~ 3530	15.7	4.6 ~ 15.7	98	
07+18+18	Wall	Duct	Duct	—	4.32	12.94	12.94	—	30.20	14.40 ~ 30.20	3570	1170 ~ 3570	15.8	5.2 ~ 15.8	98	
09+09+09	Wall	Wall	Wall	—	9.10	9.10	9.10	—	27.30	10.70 ~ 27.30	2520	700 ~ 2520	11.2	3.1 ~ 11.2	98	
09+09+09	Wall	Wall	Duct	—	8.87	8.87	8.87	—	26.60	10.40 ~ 26.60	2600	750 ~ 2600	11.5	3.3 ~ 11.5	98	
09+09+09	Wall	Duct	Duct	—	8.80	8.80	8.80	—	26.40	10.00 ~ 26.40	2800	800 ~ 2800	12.4	3.5 ~ 12.4	98	
09+09+09	Duct	Duct	Duct	—	8.57	8.57	8.57	—	25.70	9.60 ~ 25.70	2940	840 ~ 2940	13.0	3.7 ~ 13.0	98	
09+09+12	Wall	Wall	Wall	—	8.35	8.35	11.70	—	28.40	10.70 ~ 28.40	2830	700 ~ 2830	12.6	3.1 ~ 12.6	98	
09+09+12	Wall	Wall	Duct	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	13.2	3.3 ~ 13.2	98	
09+09+12	Wall	Duct	Wall	—	8.21	8.21	11.48	—	27.90	10.40 ~ 27.90	2970	750 ~ 2970	13.2	3.3 ~ 13.2	98	
09+09+12	Wall	Duct	Duct	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	14.1	3.5 ~ 14.1	98	
09+09+12	Duct	Duct	Wall	—	8.09	8.09	11.32	—	27.50	10.00 ~ 27.50	3180	800 ~ 3180	14.1	3.5 ~ 14.1	98	
09+09+12	Duct	Duct	Duct	—	7.91	7.91	11.08	—	26.90	9.60 ~ 26.90	3390	840 ~ 3390	15.0	3.7 ~ 15.0	98	
09+09+15	Wall	Wall	Wall	—	7.35	7.35	14.70	—	29.40	14.50 ~ 29.40	2920	910 ~ 2920	13.0	4.0 ~ 13.0	98	
09+09+15	Wall	Wall	Duct	—	7.23	7.23	14.44	—	28.90	14.20 ~ 28.90	3030	1040 ~ 3030	13.4	4.6 ~ 13.4	98	
09+09+15	Wall	Duct	Wall	—	7.25	7.25	14.50	—	29.00	14.10 ~ 29.00	3070	950 ~ 3070	13.6	4.2 ~ 13.6	98	
09+09+15	Wall	Duct	Duct	—	7.13	7.13	14.24	—	28.50	13.80 ~ 28.50	3180	1080 ~ 3180	14.1	4.8 ~ 14.1	98	
09+09+15	Duct	Duct	Wall	—	7.13	7.13	14.24	—	28.50	13.60 ~ 28.50	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98	
09+09+15	Duct	Duct	Duct	—	7.00	7.00	14.00	—	28.00	13.30 ~ 28.00	3320	1120 ~ 3320	14.7	5.0 ~ 14.7	98	
09+09+18	Wall	Wall	Wall	—	6.95	6.95	16.70	—	30.60	14.60 ~ 30.60	3450	910 ~ 3450	15.3	4.0 ~ 15.3	98	
09+09+18	Wall	Wall	Duct	—	6.84	6.84	16.42	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	15.5	4.6 ~ 15.5	98	
09+09+18	Wall	Duct	Wall	—	6.84	6.84	16.42	—	30.10	14.10 ~ 30.10	3540	950 ~ 3540	15.7	4.2 ~ 15.7	98	
09+09+18	Wall	Duct	Duct	—	6.73	6.73	16.14	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
09+09+18	Duct	Duct	Wall	—	6.70	6.70	16.10	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98	
09+09+18	Duct	Duct	Duct	—	6.52	6.52	15.66	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98	
09+12+12	Wall	Wall	Wall	—	7.76	10.87	10.87	—	29.50	14.00 ~ 29.50	3220	910 ~ 3220	14.3	4.0 ~ 14.3	98	
09+12+12	Wall	Wall	Duct	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	15.0	3.6 ~ 15.0	98	
09+12+12	Wall	Duct	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	15.9	3.8 ~ 15.9	98	
09+12+12	Duct	Wall	Wall	—	7.60	10.65	10.65	—	28.90	11.50 ~ 28.90	3370	820 ~ 3370	15.0	3.6 ~ 15.0	98	
09+12+12	Duct	Wall	Duct	—	7.48	10.46	10.46	—	28.40	11.00 ~ 28.40	3580	860 ~ 3580	15.9	3.8 ~ 15.9	98	
09+12+12	Duct	Duct	Duct	—	7.24	10.13	10.13	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	16.2	4.0 ~ 16.2	98	
09+12+15	Wall	Wall	Wall	—	6.95	9.74	13.91	—	30.60	14.50 ~ 30.60	3520	910 ~ 3520	15.6	4.0 ~ 15.6	98	
09+12+15	Wall	Wall	Duct	—	6.84	9.58	13.68	—	30.10	14.20 ~ 30.10	3500	1040 ~ 3500	15.5	4.6 ~ 15.5	98	
09+12+15	Wall	Duct	Wall	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
09+12+15	Wall	Duct	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
09+12+15	Duct	Wall	Wall	—	6.84	9.58	13.68	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
09+12+15	Duct	Wall	Duct	—	6.73	9.42	13.45	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
09+12+15	Duct	Duct	Wall	—	6.69	9.35	13.36	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98	
09+12+15	Duct	Duct	Duct	—	6.52	9.13	13.05	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98	
09+12+18	Wall	Wall	Wall	—	6.42	8.98	15.40	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98	
09+12+18	Wall	Wall	Duct	—	6.31	8.84	15.15	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98	
09+12+18	Wall	Duct	Wall	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
09+12+18	Wall	Duct	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
09+12+18	Duct	Wall	Wall	—	6.29	8.81	15.10	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
09+12+18	Duct	Wall	Duct	—	6.17	8.63	14.80	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
09+12+18	Duct	Duct	Wall	—	6.15	8.60	14.75	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98	
09+12+18	Duct	Duct	Duct	—	5.98	8.37	14.35	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98	
09+15+15	Wall	Wall	Wall	—	6.18	12.36	12.36	—	30.90	14.90 ~ 30.90	3340	900 ~ 3340	14.8	4.0 ~ 14.8	98	
09+15+15	Wall	Wall	Duct	—	6.08	12.16	12.16	—	30.40	14.70 ~ 30.40	3390	1030 ~ 3390	15.0	4.6 ~ 15.0	98	
09+15+15	Wall	Duct	Duct	—	5.98	11.96	11.96	—	29.90	14.40 ~ 29.90	3430	1170 ~ 3430	15.2	5.2 ~ 15.2	98	
09+15+15	Duct	Wall	Wall	—	6.08	12.16	12.16	—	30.40	14.50 ~ 30.40	3430	950 ~ 3430	15.2	4.2 ~ 15.2	98	
09+15+15	Duct	Wall	Duct	—	5.98	11.96	11.96	—	29.90	14.30 ~ 29.90	3470	1080 ~ 3470	15.4	4.8 ~ 15.4	98	
09+15+15	Duct	Duct	Duct	—	5.88	11.76	11.76	—	29.40	14.00 ~ 29.40	3520	1210 ~ 3520	15.6	5.4 ~ 15.6	98	
09+15+18	Wall	Wall	Wall	—	5.76	11.52	13.82	—	31.10	15.00 ~ 31.10	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98	
09+15+18	Wall	Wall	Duct	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98	
09+15+18	Wall	Duct	Wall	—	5.67	11.33	13.60	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98	
09+15+18	Wall	Duct	Duct	—	5.57	11.15	13.38	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	15.5	5.2 ~ 15.5	98	
09+15+18	Duct	Wall	Wall	—	5.67	11.33	13.60	—	30.60	14.60 ~ 30.60	3500	950 ~ 3500	15.5	4.2 ~ 15.5	98	
09+15+18	Duct	Wall	Duct	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98	
09+15+18	Duct	Duct	Wall	—	5.57	11.15	13.38	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98	
09+15+18	Duct	Duct	Duct	—	5.46	10.93	13.11	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	15.9	5.4 ~ 15.9	98	
09+18+18	Wall	Wall	Wall	—	5.40	12.95	12.95	—	31.30	15.00 ~ 31.30	3560	900 ~ 3560	15.8	4.0 ~ 15.8	98	
09+18+18	Wall	Wall	Duct	—	5.32	12.74	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	16.0	4.6 ~ 16.0	98	
09+18+18	Wall	Duct	Duct	—	5.22	12.54	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	16.1	5.2 ~ 16.1	98	
09+18+18	Duct	Wall	Wall	—	5.32	12.79	12.79	—	30.90	14.60 ~ 30.90	3640	950 ~ 3640	16.1	4.2 ~ 16.1	98	
09+18+18	Duct	Wall	Duct	—	5.22	12.54	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98	
09+18+18	Duct	Duct	Duct	—	5.10	12.25	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	16.2	5.4 ~ 16.2	98	
12+12+12	Wall	Wall	Wall	—	10.07	10.07	10.07	—	30.20	14.00 ~ 30.20	3630	910 ~ 3630	16.1	4.0 ~ 16.1	98	
12+12+12	Wall	Wall	Duct	—	9.83	9.83	9.83	—	29.50	11.50 ~ 29.50	3640	820 ~ 3640	16.1	3.6 ~ 16.1	98	
12+12+12	Wall	Duct	Duct	—	9.50	9.50	9.50	—	28.50	11.00 ~ 28.50	3650	860 ~ 3650	16.2	3.8 ~ 16.2	98	
12+12+12	Duct	Duct	Duct	—	9.17	9.17	9.17	—	27.50	10.60 ~ 27.50	3660	900 ~ 3660	16.2	4.0 ~ 16.2	98	
12+12+15	Wall	Wall	Wall	—	8.98	8.98	12.84	—	30.80	14.50 ~ 30.80	3660	910 ~ 3660	16.2	4.0 ~ 16.2	98	
12+12+15	Wall	Wall	Duct	—	8.84	8.84	12.62	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98	
12+12+15	Wall	Duct	Wall	—	8.78	8.78	12.54	—	30.10	14.10 ~ 30.10	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
12+12+15	Wall	Duct	Duct	—	8.63	8.63	12.34	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
12+12+15	Duct	Duct	Wall	—	8.58	8.58	12.24	—	29.40	13.60 ~ 29.40	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98	
12+12+15	Duct	Duct	Duct	—	8.37	8.37	11.96	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98	
12+12+18	Wall	Wall	Wall	—	8.29	8.29	14.22	—	30.80	14.60 ~ 30.80	3600	910 ~ 3600	16.0	4.0 ~ 16.0	98	
12+12+18	Wall	Wall	Duct	—	8.16	8.16	13.98	—	30.30	14.20 ~ 30.30	3630	1040 ~ 3630	16.1	4.6 ~ 16.1	98	
12+12+18	Wall	Duct	Wall	—	8.13	8.13	13.94	—	30.20	14.10 ~ 30.20	3610	950 ~ 3610	16.0	4.2 ~ 16.0	98	
12+12+18	Wall	Duct	Duct	—	7.97	7.97	13.66	—	29.60	13.80 ~ 29.60	3650	1080 ~ 3650	16.2	4.8 ~ 16.2	98	
12+12+18	Duct	Duct	Wall	—	7.94	7.94	13.62	—	29.50	13.60 ~ 29.50	3620	1000 ~ 3620	16.1	4.4 ~ 16.1	98	
12+12+18	Duct	Duct	Duct	—	7.73	7.73	13.24	—	28.70	13.30 ~ 28.70	3660	1120 ~ 3660	16.2	5.0 ~ 16.2	98	
12+15+15	Wall	Wall	Wall	—	8.06	11.52	11.52	—	31.10	14.90 ~ 31.10	3480	900 ~ 3480	15.4	4.0 ~ 15.4	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
12+15+15	Wall	Wall	Duct	—	7.94	11.33	11.33	—	30.60	14.70 ~ 30.60	3460	1030 ~ 3460	15.4	4.6 ~ 15.4	98
12+15+15	Wall	Duct	Duct	—	7.80	11.15	11.15	—	30.10	14.40 ~ 30.10	3500	1170 ~ 3500	15.5	5.2 ~ 15.5	98
12+15+15	Duct	Wall	Wall	—	7.94	11.33	11.33	—	30.60	14.50 ~ 30.60	3500	950 ~ 3500	15.5	4.2 ~ 15.5	98
12+15+15	Duct	Wall	Duct	—	7.80	11.15	11.15	—	30.10	14.30 ~ 30.10	3540	1080 ~ 3540	15.7	4.8 ~ 15.7	98
12+15+15	Duct	Duct	Duct	—	7.64	10.93	10.93	—	29.50	14.00 ~ 29.50	3590	1210 ~ 3590	15.9	5.4 ~ 15.9	98
12+15+18	Wall	Wall	Wall	—	7.53	10.76	12.91	—	31.20	15.00 ~ 31.20	3550	900 ~ 3550	15.7	4.0 ~ 15.7	98
12+15+18	Wall	Wall	Duct	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3590	1030 ~ 3590	15.9	4.6 ~ 15.9	98
12+15+18	Wall	Duct	Wall	—	7.44	10.62	12.74	—	30.80	14.70 ~ 30.80	3600	1030 ~ 3600	16.0	4.6 ~ 16.0	98
12+15+18	Wall	Duct	Duct	—	7.31	10.45	12.54	—	30.30	14.40 ~ 30.30	3640	1170 ~ 3640	16.1	5.2 ~ 16.1	98
12+15+18	Duct	Wall	Wall	—	7.44	10.62	12.74	—	30.80	14.60 ~ 30.80	3640	950 ~ 3640	16.1	4.2 ~ 16.1	98
12+15+18	Duct	Wall	Duct	—	7.29	10.41	12.50	—	30.20	14.30 ~ 30.20	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98
12+15+18	Duct	Duct	Wall	—	7.31	10.45	12.54	—	30.30	14.30 ~ 30.30	3610	1080 ~ 3610	16.0	4.8 ~ 16.0	98
12+15+18	Duct	Duct	Duct	—	7.14	10.21	12.25	—	29.60	14.00 ~ 29.60	3650	1210 ~ 3650	16.2	5.4 ~ 16.2	98
07+07+07+07	Wall	Wall	Wall	Wall	7.25	7.25	7.25	7.25	29.00	11.60 ~ 29.00	2460	680 ~ 2460	10.9	3.0 ~ 10.9	98
07+07+07+09	Wall	Wall	Wall	Wall	6.94	6.94	6.94	8.68	29.50	11.60 ~ 29.50	2590	680 ~ 2590	11.5	3.0 ~ 11.5	98
07+07+07+09	Wall	Wall	Wall	Duct	6.82	6.82	6.82	8.54	29.00	11.40 ~ 29.00	2610	730 ~ 2610	11.6	3.2 ~ 11.6	98
07+07+07+12	Wall	Wall	Wall	Wall	6.44	6.44	6.44	11.28	30.60	15.40 ~ 30.60	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+07+07+12	Wall	Wall	Wall	Duct	6.34	6.34	6.34	11.08	30.10	15.10 ~ 30.10	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+07+15	Wall	Wall	Wall	Wall	5.64	5.64	5.64	14.08	31.00	15.80 ~ 31.00	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+07+15	Wall	Wall	Wall	Duct	5.38	5.38	5.38	13.45	29.60	15.60 ~ 29.60	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+07+07+18	Wall	Wall	Wall	Wall	5.18	5.18	5.18	15.56	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+07+18	Wall	Wall	Wall	Duct	4.97	4.97	4.97	14.90	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+09+09	Wall	Wall	Wall	Wall	6.67	6.67	8.33	8.33	30.00	15.40 ~ 30.00	2710	890 ~ 2710	12.0	3.9 ~ 12.0	98
07+07+09+09	Wall	Wall	Wall	Duct	6.58	6.58	8.22	8.22	29.60	15.10 ~ 29.60	2800	950 ~ 2800	12.4	4.2 ~ 12.4	98
07+07+09+09	Wall	Wall	Duct	Duct	6.51	6.51	8.14	8.14	29.30	14.70 ~ 29.30	2950	1000 ~ 2950	13.1	4.4 ~ 13.1	98
07+07+09+12	Wall	Wall	Wall	Wall	6.14	6.14	7.68	10.74	30.70	15.40 ~ 30.70	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+07+09+12	Wall	Wall	Wall	Duct	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+09+12	Wall	Wall	Duct	Wall	6.04	6.04	7.55	10.57	30.20	15.10 ~ 30.20	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+07+09+12	Wall	Wall	Duct	Duct	5.98	5.98	7.48	10.46	29.90	14.70 ~ 29.90	3140	1000 ~ 3140	13.9	4.4 ~ 13.9	98
07+07+09+15	Wall	Wall	Wall	Wall	5.39	5.39	6.74	13.48	31.00	15.80 ~ 31.00	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+09+15	Wall	Wall	Wall	Duct	5.17	5.17	6.45	12.91	29.70	15.60 ~ 29.70	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+07+09+15	Wall	Wall	Duct	Wall	5.34	5.34	6.67	13.35	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+09+15	Wall	Wall	Duct	Duct	5.10	5.10	6.36	12.74	29.30	15.20 ~ 29.30	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+09+18	Wall	Wall	Wall	Wall	4.98	4.98	6.22	14.92	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+09+18	Wall	Wall	Wall	Duct	4.77	4.77	5.96	14.30	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+09+18	Wall	Wall	Duct	Wall	4.91	4.91	6.14	14.74	30.70	15.50 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+09+18	Wall	Wall	Duct	Duct	4.70	4.70	5.89	14.11	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+12+12	Wall	Wall	Wall	Wall	5.64	5.64	9.86	9.86	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+07+12+12	Wall	Wall	Wall	Duct	5.55	5.55	9.70	9.70	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+07+12+12	Wall	Wall	Duct	Duct	5.47	5.47	9.58	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
07+07+12+15	Wall	Wall	Wall	Wall	4.98	4.98	8.71	12.43	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+07+12+15	Wall	Wall	Wall	Duct	4.77	4.77	8.34	11.92	29.80	15.60 ~ 29.80	2780	1020 ~ 2780	12.3	4.5 ~ 12.3	98
07+07+12+15	Wall	Wall	Duct	Wall	4.91	4.91	8.60	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
07+07+12+15	Wall	Wall	Duct	Duct	4.70	4.70	8.24	11.76	29.40	15.20 ~ 29.40	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+07+12+18	Wall	Wall	Wall	Wall	4.65	4.65	8.14	13.96	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
07+07+12+18	Wall	Wall	Wall	Duct	4.47	4.47	7.84	13.42	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+07+12+18	Wall	Wall	Duct	Wall	4.59	4.59	8.04	13.78	31.00	15.50 ~ 31.00	3280	940 ~ 3280	14.6	4.2 ~ 14.6	98
07+07+12+18	Wall	Wall	Duct	Duct	4.40	4.40	7.70	13.20	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+09+09	Wall	Wall	Wall	Wall	6.45	8.05	8.05	8.05	30.60	15.40 ~ 30.60	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
07+09+09+09	Wall	Wall	Wall	Duct	6.34	7.92	7.92	7.92	30.10	15.10 ~ 30.10	2990	950 ~ 2990	13.3	4.2 ~ 13.3	98
07+09+09+09	Wall	Wall	Duct	Duct	6.28	7.84	7.84	7.84	29.80	14.70 ~ 29.80	3140	1000 ~ 3140	13.9	4.4 ~ 13.9	98
07+09+09+09	Wall	Duct	Duct	Duct	6.23	7.79	7.79	7.79	29.60	14.20 ~ 29.60	3300	1040 ~ 3300	14.6	4.6 ~ 14.6	98
07+09+09+12	Wall	Wall	Wall	Wall	5.90	7.38	7.38	10.34	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+09+09+12	Wall	Wall	Wall	Duct	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+09+09+12	Wall	Wall	Duct	Wall	5.79	7.24	7.24	10.13	30.40	15.10 ~ 30.40	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
07+09+09+12	Wall	Wall	Duct	Duct	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
07+09+09+12	Wall	Duct	Duct	Duct	5.71	7.14	7.14	10.01	30.00	14.70 ~ 30.00	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
07+09+09+12	Wall	Duct	Duct	Duct	5.66	7.07	7.07	9.90	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
07+09+09+15	Wall	Wall	Wall	Wall	5.18	6.48	6.48	12.96	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
07+09+09+15	Wall	Wall	Wall	Duct	4.96	6.21	6.21	12.42	29.80	15.60 ~ 29.80	2720	1020 ~ 2720	12.1	4.5 ~ 12.1	98
07+09+09+15	Wall	Wall	Duct	Wall	5.13	6.42	6.42	12.83	30.80	15.40 ~ 30.80	3080	940 ~ 3080	13.7	4.2 ~ 13.7	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
07+09+09+15	Wall	Wall	Duct	Duct	4.91	6.15	6.15	12.29	29.50	15.20 ~ 29.50	2810	1070 ~ 2810	12.5	4.7 ~ 12.5	98
07+09+09+15	Wall	Duct	Duct	Wall	5.07	6.33	6.33	12.67	30.40	15.10 ~ 30.40	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
07+09+09+15	Wall	Duct	Duct	Duct	4.82	6.02	6.02	12.04	28.90	14.80 ~ 28.90	2840	1120 ~ 2840	12.6	5.0 ~ 12.6	98
07+09+09+18	Wall	Wall	Wall	Wall	4.83	6.04	6.04	14.49	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
07+09+09+18	Wall	Wall	Wall	Duct	4.64	5.81	5.81	13.94	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+09+09+18	Wall	Wall	Duct	Wall	4.77	5.96	5.96	14.31	31.00	15.50 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+09+18	Wall	Wall	Duct	Duct	4.57	5.71	5.71	13.71	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+09+18	Wall	Duct	Duct	Wall	4.71	5.88	5.88	14.13	30.60	15.10 ~ 30.60	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
07+09+09+18	Wall	Duct	Duct	Duct	4.48	5.62	5.62	13.48	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	13.1	5.0 ~ 13.1	98
07+09+12+12	Wall	Wall	Wall	Wall	5.39	6.74	9.43	9.44	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
07+09+12+12	Wall	Wall	Wall	Duct	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+09+12+12	Wall	Wall	Duct	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	14.6	4.4 ~ 14.6	98
07+09+12+12	Wall	Duct	Wall	Wall	5.36	6.70	9.37	9.37	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+09+12+12	Wall	Duct	Wall	Duct	5.25	6.57	9.19	9.19	30.20	14.70 ~ 30.20	3280	1000 ~ 3280	14.6	4.4 ~ 14.6	98
07+09+12+12	Wall	Duct	Duct	Duct	5.18	6.48	9.07	9.07	29.80	14.20 ~ 29.80	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
07+09+12+15	Wall	Wall	Wall	Wall	4.83	6.04	8.45	12.08	31.40	15.80 ~ 31.40	3180	880 ~ 3180	14.1	3.9 ~ 14.1	98
07+09+12+15	Wall	Wall	Wall	Duct	4.65	5.81	8.12	11.62	30.20	15.60 ~ 30.20	2850	1020 ~ 2850	12.6	4.5 ~ 12.6	98
07+09+12+15	Wall	Wall	Duct	Wall	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+12+15	Wall	Wall	Duct	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+12+15	Wall	Duct	Wall	Wall	4.77	5.96	8.35	11.92	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
07+09+12+15	Wall	Duct	Wall	Duct	4.57	5.71	8.00	11.42	29.70	15.20 ~ 29.70	2870	1070 ~ 2870	12.7	4.7 ~ 12.7	98
07+09+12+15	Wall	Duct	Duct	Wall	4.71	5.88	8.24	11.77	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98
07+09+12+15	Wall	Duct	Duct	Duct	4.49	5.62	7.86	11.23	29.20	14.80 ~ 29.20	2960	1120 ~ 2960	13.1	5.0 ~ 13.1	98
07+12+12+12	Wall	Wall	Wall	Wall	4.97	8.71	8.71	8.71	31.10	15.40 ~ 31.10	3160	890 ~ 3160	14.0	3.9 ~ 14.0	98
07+12+12+12	Wall	Wall	Wall	Duct	4.90	8.60	8.60	8.60	30.70	15.10 ~ 30.70	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
07+12+12+12	Wall	Wall	Duct	Duct	4.86	8.48	8.48	8.48	30.30	14.70 ~ 30.30	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
07+12+12+12	Wall	Duct	Duct	Duct	4.79	8.37	8.37	8.37	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98
09+09+09+09	Wall	Wall	Wall	Wall	7.68	7.68	7.68	7.68	30.70	15.40 ~ 30.70	2970	890 ~ 2970	13.2	3.9 ~ 13.2	98
09+09+09+09	Wall	Wall	Wall	Duct	7.55	7.55	7.55	7.55	30.20	12.60 ~ 30.20	2990	800 ~ 2990	13.3	3.5 ~ 13.3	98
09+09+09+09	Wall	Wall	Duct	Duct	7.48	7.48	7.48	7.48	29.90	12.30 ~ 29.90	3140	850 ~ 3140	13.9	3.8 ~ 13.9	98
09+09+09+09	Wall	Duct	Duct	Duct	7.40	7.40	7.40	7.40	29.60	12.00 ~ 29.60	3300	900 ~ 3300	14.6	4.0 ~ 14.6	98
09+09+09+09	Duct	Duct	Duct	Duct	7.28	7.28	7.28	7.28	29.10	11.60 ~ 29.10	3450	950 ~ 3450	15.3	4.2 ~ 15.3	98
09+09+09+12	Wall	Wall	Wall	Wall	7.05	7.05	7.05	9.85	31.00	15.40 ~ 31.00	3100	890 ~ 3100	13.8	3.9 ~ 13.8	98
09+09+09+12	Wall	Wall	Wall	Duct	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
09+09+09+12	Wall	Wall	Duct	Wall	6.93	6.93	6.93	9.71	30.50	15.10 ~ 30.50	3120	950 ~ 3120	13.8	4.2 ~ 13.8	98
09+09+09+12	Wall	Wall	Duct	Duct	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
09+09+09+12	Wall	Duct	Duct	Wall	6.84	6.84	6.84	9.58	30.10	14.70 ~ 30.10	3210	1000 ~ 3210	14.2	4.4 ~ 14.2	98
09+09+09+12	Wall	Duct	Duct	Duct	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
09+09+09+12	Duct	Duct	Duct	Wall	6.75	6.75	6.75	9.45	29.70	14.20 ~ 29.70	3360	1040 ~ 3360	14.9	4.6 ~ 14.9	98
09+09+09+12	Duct	Duct	Duct	Duct	6.68	6.68	6.68	9.36	29.40	13.70 ~ 29.40	3580	1090 ~ 3580	15.9	4.8 ~ 15.9	98
09+09+09+15	Wall	Wall	Wall	Wall	6.22	6.22	6.22	12.44	31.10	15.80 ~ 31.10	2980	880 ~ 2980	13.2	3.9 ~ 13.2	98
09+09+09+15	Wall	Wall	Wall	Duct	6.14	6.14	6.14	12.28	30.70	15.60 ~ 30.70	3040	1020 ~ 3040	13.5	4.5 ~ 13.5	98
09+09+09+15	Wall	Wall	Duct	Wall	6.14	6.14	6.14	12.28	30.70	15.40 ~ 30.70	3010	940 ~ 3010	13.4	4.2 ~ 13.4	98
09+09+09+15	Wall	Wall	Duct	Duct	6.06	6.06	6.06	12.12	30.30	15.20 ~ 30.30	3130	1070 ~ 3130	13.9	4.7 ~ 13.9	98
09+09+09+15	Wall	Duct	Duct	Wall	6.06	6.06	6.06	12.12	30.30	15.10 ~ 30.30	3100	990 ~ 3100	13.8	4.4 ~ 13.8	98
09+09+09+15	Wall	Duct	Duct	Duct	5.98	5.98	5.98	11.96	29.90	14.80 ~ 29.90	3150	1120 ~ 3150	14.0	5.0 ~ 14.0	98
09+09+09+15	Duct	Duct	Duct	Wall	5.98	5.98	5.98	11.96	29.90	14.70 ~ 29.90	3190	1040 ~ 3190	14.2	4.6 ~ 14.2	98
09+09+09+15	Duct	Duct	Duct	Duct	5.90	5.90	5.90	11.80	29.50	14.40 ~ 29.50	3310	1170 ~ 3310	14.7	5.2 ~ 14.7	98
09+09+09+18	Wall	Wall	Wall	Wall	5.81	5.81	5.81	13.97	31.40	15.80 ~ 31.40	3120	880 ~ 3120	13.8	3.9 ~ 13.8	98
09+09+09+18	Wall	Wall	Wall	Duct	5.74	5.74	5.74	13.78	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	14.1	4.5 ~ 14.1	98
09+09+09+18	Wall	Wall	Duct	Wall	5.74	5.74	5.74	13.78	31.00	15.50 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98
09+09+09+18	Wall	Wall	Duct	Duct	5.67	5.67	5.67	13.59	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98
09+09+09+18	Wall	Duct	Duct	Wall	5.67	5.67	5.67	13.59	30.60	15.10 ~ 30.60	3170	990 ~ 3170	14.1	4.4 ~ 14.1	98
09+09+09+18	Wall	Duct	Duct	Duct	5.59	5.59	5.59	13.43	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98
09+09+09+18	Duct	Duct	Duct	Wall	5.59	5.59	5.59	13.43	30.20	14.70 ~ 30.20	3260	1040 ~ 3260	14.5	4.6 ~ 14.5	98
09+09+09+18	Duct	Duct	Duct	Duct	5.52	5.52	5.52	13.24	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	15.3	5.2 ~ 15.3	98
09+09+12+12	Wall	Wall	Wall	Wall	6.48	6.48	9.07	9.07	31.10	15.40 ~ 31.10	3160	890 ~ 3160	14.0	3.9 ~ 14.0	98
09+09+12+12	Wall	Wall	Wall	Duct	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
09+09+12+12	Wall	Wall	Duct	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98
09+09+12+12	Wall	Duct	Wall	Wall	6.42	6.42	8.98	8.98	30.80	15.10 ~ 30.80	3260	950 ~ 3260	14.5	4.2 ~ 14.5	98
09+09+12+12	Wall	Duct	Wall	Duct	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating	
09+09+12+12	Wall	Duct	Duct	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98	
09+09+12+12	Duct	Duct	Wall	Wall	6.33	6.33	8.87	8.87	30.40	14.70 ~ 30.40	3340	1000 ~ 3340	14.8	4.4 ~ 14.8	98	
09+09+12+12	Duct	Duct	Wall	Duct	6.23	6.23	8.72	8.72	29.90	14.20 ~ 29.90	3430	1040 ~ 3430	15.2	4.6 ~ 15.2	98	
09+09+12+12	Duct	Duct	Duct	Duct	6.15	6.15	8.60	8.60	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	16.2	4.8 ~ 16.2	98	
09+09+12+15	Wall	Wall	Wall	Wall	5.81	5.81	8.15	11.63	31.40	15.80 ~ 31.40	3180	880 ~ 3180	14.1	3.9 ~ 14.1	98	
09+09+12+15	Wall	Wall	Wall	Duct	5.74	5.74	8.04	11.48	31.00	15.60 ~ 31.00	3170	1020 ~ 3170	14.1	4.5 ~ 14.1	98	
09+09+12+15	Wall	Wall	Duct	Wall	5.74	5.74	8.04	11.48	31.00	15.40 ~ 31.00	3140	940 ~ 3140	13.9	4.2 ~ 13.9	98	
09+09+12+15	Wall	Wall	Duct	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98	
09+09+12+15	Wall	Duct	Wall	Duct	5.67	5.67	7.93	11.33	30.60	15.20 ~ 30.60	3190	1070 ~ 3190	14.2	4.7 ~ 14.2	98	
09+09+12+15	Wall	Duct	Duct	Wall	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98	
09+09+12+15	Wall	Duct	Duct	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98	
09+09+12+15	Duct	Duct	Wall	Wall	5.67	5.67	7.93	11.33	30.60	15.10 ~ 30.60	3230	990 ~ 3230	14.3	4.4 ~ 14.3	98	
09+09+12+15	Duct	Duct	Wall	Duct	5.59	5.59	7.83	11.19	30.20	14.80 ~ 30.20	3280	1120 ~ 3280	14.6	5.0 ~ 14.6	98	
09+09+12+15	Duct	Duct	Duct	Wall	5.59	5.59	7.83	11.19	30.20	14.70 ~ 30.20	3320	1040 ~ 3320	14.7	4.6 ~ 14.7	98	
09+09+12+15	Duct	Duct	Duct	Duct	5.52	5.52	7.72	11.04	29.80	14.40 ~ 29.80	3440	1170 ~ 3440	15.3	5.2 ~ 15.3	98	
09+12+12+12	Wall	Wall	Wall	Wall	6.05	8.45	8.45	8.45	31.40	15.40 ~ 31.40	3370	890 ~ 3370	15.0	3.9 ~ 15.0	98	
09+12+12+12	Wall	Wall	Wall	Duct	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	15.0	4.2 ~ 15.0	98	
09+12+12+12	Wall	Wall	Duct	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	15.4	4.4 ~ 15.4	98	
09+12+12+12	Wall	Duct	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	16.1	4.6 ~ 16.1	98	
09+12+12+12	Duct	Wall	Wall	Wall	5.95	8.35	8.35	8.35	31.00	15.10 ~ 31.00	3390	950 ~ 3390	15.0	4.2 ~ 15.0	98	
09+12+12+12	Duct	Wall	Wall	Duct	5.88	8.24	8.24	8.24	30.60	14.70 ~ 30.60	3480	1000 ~ 3480	15.4	4.4 ~ 15.4	98	
09+12+12+12	Duct	Wall	Duct	Duct	5.81	8.13	8.13	8.13	30.20	14.20 ~ 30.20	3640	1040 ~ 3640	16.1	4.6 ~ 16.1	98	
09+12+12+12	Duct	Duct	Duct	Duct	5.68	7.94	7.94	7.94	29.50	13.70 ~ 29.50	3650	1090 ~ 3650	16.2	4.8 ~ 16.2	98	

- Note:**
1. Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  2. The total ability of connected indoor units is up to 45.0 kBtu/h.
  3. It is impossible to connect only one indoor unit.
  4. Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series
- 3D078854  
3D078855  
3D078856  
3D078857  
3D078858  
3D078859  
3D078860  
3D078861

Heating [60 Hz, 230 V]

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07	Wall	—	—	—	8.80	—	—	—	8.80	5.40 ~ 9.50	1050	750 ~ 1150	4.7	3.3 ~ 5.1	98	
09	Wall	—	—	—	11.30	—	—	—	11.30	5.40 ~ 12.20	1300	750 ~ 1410	5.8	3.3 ~ 6.3	98	
09	Duct	—	—	—	10.70	—	—	—	10.70	5.50 ~ 11.60	1370	830 ~ 1480	6.1	3.7 ~ 6.6	98	
12	Wall	—	—	—	15.00	—	—	—	15.00	5.40 ~ 16.30	1740	750 ~ 1850	7.7	3.3 ~ 8.2	98	
12	Duct	—	—	—	14.30	—	—	—	14.30	5.50 ~ 15.30	1770	830 ~ 1890	7.9	3.7 ~ 8.4	98	
15	Wall	—	—	—	18.80	—	—	—	18.80	5.20 ~ 20.30	1970	690 ~ 2190	8.7	3.1 ~ 9.7	98	
15	Duct	—	—	—	17.80	—	—	—	17.80	5.30 ~ 18.60	2140	860 ~ 2260	9.5	3.8 ~ 10.0	98	
18	Wall	—	—	—	22.50	—	—	—	22.50	5.10 ~ 24.40	2420	680 ~ 2770	10.7	3.0 ~ 12.3	98	
18	Duct	—	—	—	18.80	—	—	—	18.80	5.30 ~ 19.20	2260	860 ~ 2320	10.0	3.8 ~ 10.3	98	
07+07	Wall	Wall	—	—	8.75	8.75	—	—	17.50	4.90 ~ 19.10	1580	630 ~ 1720	7.0	2.8 ~ 7.6	98	
07+09	Wall	Wall	—	—	8.89	11.11	—	—	20.00	4.90 ~ 22.00	1820	630 ~ 2060	8.1	2.8 ~ 9.1	98	
07+09	Wall	Duct	—	—	8.67	10.83	—	—	19.50	5.00 ~ 21.50	1910	690 ~ 2160	8.5	3.1 ~ 9.6	98	
07+12	Wall	Wall	—	—	8.65	15.15	—	—	23.80	4.90 ~ 25.30	2310	630 ~ 2530	10.2	2.8 ~ 11.2	98	
07+12	Wall	Duct	—	—	8.44	14.76	—	—	23.20	5.00 ~ 25.10	2430	690 ~ 2710	10.8	3.1 ~ 12.0	98	
07+15	Wall	Wall	—	—	7.86	19.64	—	—	27.50	6.00 ~ 29.90	2610	650 ~ 3040	11.6	2.9 ~ 13.5	98	
07+15	Wall	Duct	—	—	7.66	19.14	—	—	26.80	6.10 ~ 28.80	2850	810 ~ 3180	12.6	3.6 ~ 14.1	98	
07+18	Wall	Wall	—	—	7.55	22.65	—	—	30.20	7.10 ~ 32.60	3050	700 ~ 3620	13.5	3.1 ~ 16.1	98	
07+18	Wall	Duct	—	—	7.38	22.12	—	—	29.50	7.30 ~ 31.40	3360	880 ~ 3840	14.9	3.9 ~ 17.0	98	
09+09	Wall	Wall	—	—	11.25	11.25	—	—	22.50	4.90 ~ 24.40	2160	630 ~ 2420	9.6	2.8 ~ 10.7	98	
09+09	Wall	Duct	—	—	11.15	11.15	—	—	22.30	5.00 ~ 23.80	2270	690 ~ 2480	10.1	3.1 ~ 11.0	98	
09+09	Duct	Duct	—	—	11.05	11.05	—	—	22.10	5.10 ~ 23.20	2440	770 ~ 2610	10.8	3.4 ~ 11.6	98	
09+12	Wall	Wall	—	—	10.96	15.34	—	—	26.30	4.90 ~ 28.40	2690	630 ~ 3150	11.9	2.8 ~ 14.0	98	
09+12	Wall	Duct	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Wall	—	—	10.67	14.93	—	—	25.60	5.00 ~ 27.70	2820	690 ~ 3230	12.5	3.1 ~ 14.3	98	
09+12	Duct	Duct	—	—	10.38	14.52	—	—	24.90	5.10 ~ 26.40	2900	770 ~ 3200	12.9	3.4 ~ 14.2	98	
09+15	Wall	Wall	—	—	10.00	20.00	—	—	30.00	7.20 ~ 32.30	3090	710 ~ 3620	13.7	3.1 ~ 16.1	98	
09+15	Wall	Duct	—	—	9.77	19.53	—	—	29.30	7.30 ~ 31.60	3300	880 ~ 3900	14.6	3.9 ~ 17.3	98	
09+15	Duct	Wall	—	—	9.77	19.53	—	—	29.30	7.20 ~ 31.30	3160	780 ~ 3640	14.0	3.5 ~ 16.1	98	
09+15	Duct	Duct	—	—	9.50	19.00	—	—	28.50	7.30 ~ 30.60	3380	960 ~ 3940	15.0	4.3 ~ 17.5	98	
09+18	Wall	Wall	—	—	8.97	21.53	—	—	30.50	7.10 ~ 32.60	3100	700 ~ 3620	13.8	3.1 ~ 16.1	98	
09+18	Wall	Duct	—	—	8.76	21.04	—	—	29.80	7.30 ~ 31.80	3420	880 ~ 3970	15.2	3.9 ~ 17.6	98	
09+18	Duct	Wall	—	—	8.76	21.04	—	—	29.80	7.20 ~ 31.70	3170	770 ~ 3640	14.1	3.4 ~ 16.1	98	
09+18	Duct	Duct	—	—	8.53	20.47	—	—	29.00	7.30 ~ 30.80	3500	960 ~ 3970	15.5	4.3 ~ 17.7	98	
12+12	Wall	Wall	—	—	15.00	15.00	—	—	30.00	6.10 ~ 30.50	3510	700 ~ 3630	15.6	3.1 ~ 16.1	98	
12+12	Duct	Wall	—	—	14.15	14.15	—	—	28.30	6.20 ~ 28.30	3350	770 ~ 3350	14.9	3.4 ~ 14.9	98	
12+12	Duct	Duct	—	—	13.20	13.20	—	—	26.40	6.30 ~ 26.40	3200	850 ~ 3200	14.2	3.8 ~ 14.2	98	
12+15	Wall	Wall	—	—	12.56	17.94	—	—	30.50	7.20 ~ 32.30	3210	710 ~ 3620	14.2	3.1 ~ 16.1	98	
12+15	Wall	Duct	—	—	12.27	17.53	—	—	29.80	7.30 ~ 31.60	3420	880 ~ 3900	15.2	3.9 ~ 17.3	98	
12+15	Duct	Wall	—	—	12.27	17.53	—	—	29.80	7.20 ~ 31.30	3280	780 ~ 3640	14.6	3.5 ~ 16.1	98	
12+15	Duct	Duct	—	—	11.94	17.06	—	—	29.00	7.30 ~ 30.60	3500	960 ~ 3940	15.5	4.3 ~ 17.5	98	
12+18	Wall	Wall	—	—	11.42	19.58	—	—	31.00	10.00 ~ 32.60	3210	860 ~ 3620	14.2	3.8 ~ 16.1	98	
12+18	Wall	Duct	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.80	3540	1060 ~ 3970	15.7	4.7 ~ 17.6	98	
12+18	Duct	Wall	—	—	11.16	19.14	—	—	30.30	10.10 ~ 31.70	3280	940 ~ 3640	14.6	4.2 ~ 16.1	98	
12+18	Duct	Duct	—	—	10.87	18.63	—	—	29.50	10.20 ~ 30.80	3630	1150 ~ 3970	16.1	5.1 ~ 17.7	98	
15+15	Wall	Wall	—	—	15.50	15.50	—	—	31.00	9.90 ~ 33.50	2970	810 ~ 3530	13.2	3.6 ~ 15.7	98	
15+15	Duct	Wall	—	—	15.15	15.15	—	—	30.30	10.00 ~ 32.70	3140	980 ~ 3720	13.9	4.3 ~ 16.5	98	
15+15	Duct	Duct	—	—	14.75	14.75	—	—	29.50	10.10 ~ 31.80	3340	1160 ~ 3930	14.8	5.1 ~ 17.4	98	
15+18	Wall	Wall	—	—	14.32	17.18	—	—	31.50	12.10 ~ 33.70	2990	930 ~ 3490	13.3	4.1 ~ 15.5	98	
15+18	Wall	Duct	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.70	3260	1120 ~ 3720	14.5	5.0 ~ 16.5	98	
15+18	Duct	Wall	—	—	14.00	16.80	—	—	30.80	12.20 ~ 32.80	3210	1110 ~ 3670	14.2	4.9 ~ 16.3	98	
15+18	Duct	Duct	—	—	13.64	16.36	—	—	30.00	12.30 ~ 31.80	3450	1310 ~ 3930	15.3	5.8 ~ 17.4	98	
18+18	Wall	Wall	—	—	16.05	16.05	—	—	32.10	12.10 ~ 33.80	3060	920 ~ 3450	13.6	4.1 ~ 15.3	98	
18+18	Duct	Wall	—	—	15.65	15.65	—	—	31.30	12.20 ~ 32.80	3320	1110 ~ 3670	14.7	4.9 ~ 16.3	98	
18+18	Duct	Duct	—	—	15.20	15.20	—	—	30.40	12.30 ~ 31.80	3570	1310 ~ 3930	15.8	5.8 ~ 17.4	98	
07+07+07	Wall	Wall	Wall	—	8.77	8.77	8.77	—	26.30	4.50 ~ 28.40	2170	550 ~ 2460	9.6	2.4 ~ 10.9	98	
07+07+09	Wall	Wall	Wall	—	8.86	8.86	11.08	—	28.80	5.80 ~ 31.10	2510	600 ~ 2920	11.1	2.7 ~ 13.0	98	
07+07+09	Wall	Wall	Duct	—	8.71	8.71	10.88	—	28.30	5.80 ~ 30.60	2590	660 ~ 3010	11.5	2.9 ~ 13.4	98	
07+07+12	Wall	Wall	Wall	—	8.08	8.08	14.14	—	30.30	7.00 ~ 32.80	2760	650 ~ 3240	12.2	2.9 ~ 14.4	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
07+07+12	Wall	Wall	Duct	—	7.95	7.95	13.90	—	29.80	7.00 ~ 32.30	2850	720 ~ 3400	12.6	3.2 ~ 15.1	98	
07+07+15	Wall	Wall	Wall	—	6.87	6.87	17.16	—	30.90	9.80 ~ 33.30	2660	760 ~ 3130	11.8	3.4 ~ 13.9	98	
07+07+15	Wall	Wall	Duct	—	6.76	6.76	16.88	—	30.40	9.80 ~ 32.80	2840	920 ~ 3310	12.6	4.1 ~ 14.7	98	
07+07+18	Wall	Wall	Wall	—	6.28	6.28	18.84	—	31.40	9.70 ~ 33.80	2740	750 ~ 3160	12.2	3.3 ~ 14.0	98	
07+07+18	Wall	Wall	Duct	—	6.18	6.18	18.54	—	30.90	9.80 ~ 33.30	2940	920 ~ 3370	13.0	4.1 ~ 15.0	98	
07+09+09	Wall	Wall	Wall	—	8.62	10.79	10.79	—	30.20	5.80 ~ 31.80	2710	600 ~ 3020	12.0	2.7 ~ 13.4	98	
07+09+09	Wall	Wall	Duct	—	8.48	10.61	10.61	—	29.70	5.80 ~ 31.60	2800	660 ~ 3170	12.4	2.9 ~ 14.1	98	
07+09+09	Wall	Duct	Duct	—	8.34	10.43	10.43	—	29.20	5.90 ~ 31.30	2900	720 ~ 3340	12.9	3.2 ~ 14.8	98	
07+09+12	Wall	Wall	Wall	—	7.68	9.59	13.43	—	30.70	7.00 ~ 33.20	2810	650 ~ 3350	12.5	2.9 ~ 14.9	98	
07+09+12	Wall	Wall	Duct	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2960	720 ~ 3450	13.1	3.2 ~ 15.3	98	
07+09+12	Wall	Duct	Wall	—	7.55	9.44	13.21	—	30.20	7.00 ~ 32.60	2900	720 ~ 3450	12.9	3.2 ~ 15.3	98	
07+09+12	Wall	Duct	Duct	—	7.40	9.25	12.95	—	29.60	7.10 ~ 32.10	3010	790 ~ 3630	13.4	3.5 ~ 16.1	98	
07+09+15	Wall	Wall	Wall	—	6.57	8.21	16.42	—	31.20	9.80 ~ 33.70	2710	760 ~ 3180	12.0	3.4 ~ 14.1	98	
07+09+15	Wall	Wall	Duct	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2890	920 ~ 3370	12.8	4.1 ~ 15.0	98	
07+09+15	Wall	Duct	Wall	—	6.46	8.08	16.16	—	30.70	9.80 ~ 33.10	2780	820 ~ 3250	12.3	3.6 ~ 14.4	98	
07+09+15	Wall	Duct	Duct	—	6.34	7.92	15.84	—	30.10	9.90 ~ 32.60	2920	980 ~ 3460	13.0	4.3 ~ 15.4	98	
07+09+18	Wall	Wall	Wall	—	6.04	7.55	18.11	—	31.70	9.70 ~ 34.20	2790	750 ~ 3270	12.4	3.3 ~ 14.5	98	
07+09+18	Wall	Wall	Duct	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	13.3	4.1 ~ 15.4	98	
07+09+18	Wall	Duct	Wall	—	5.94	7.43	17.83	—	31.20	9.80 ~ 33.60	2800	820 ~ 3270	12.4	3.6 ~ 14.5	98	
07+09+18	Wall	Duct	Duct	—	5.83	7.29	17.48	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	13.4	4.3 ~ 15.8	98	
07+12+12	Wall	Wall	Wall	—	6.94	12.13	12.13	—	31.20	9.90 ~ 33.70	2920	800 ~ 3460	13.0	3.5 ~ 15.4	98	
07+12+12	Wall	Wall	Duct	—	6.82	11.94	11.94	—	30.70	9.90 ~ 33.10	3010	870 ~ 3570	13.4	3.9 ~ 15.8	98	
07+12+12	Wall	Duct	Duct	—	6.68	11.71	11.71	—	30.10	10.00 ~ 32.50	3120	950 ~ 3630	13.8	4.2 ~ 16.1	98	
07+12+15	Wall	Wall	Wall	—	6.04	10.57	15.09	—	31.70	9.80 ~ 34.20	2810	760 ~ 3290	12.5	3.4 ~ 14.6	98	
07+12+15	Wall	Wall	Duct	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2990	920 ~ 3480	13.3	4.1 ~ 15.4	98	
07+12+15	Wall	Duct	Wall	—	5.94	10.40	14.86	—	31.20	9.80 ~ 33.60	2830	820 ~ 3360	12.6	3.6 ~ 14.9	98	
07+12+15	Wall	Duct	Duct	—	5.83	10.20	14.57	—	30.60	9.90 ~ 33.10	3020	980 ~ 3570	13.4	4.3 ~ 15.8	98	
07+12+18	Wall	Wall	Wall	—	5.60	9.80	16.80	—	32.20	12.00 ~ 34.20	2840	870 ~ 3270	12.6	3.9 ~ 14.5	98	
07+12+18	Wall	Wall	Duct	—	5.51	9.65	16.54	—	31.70	12.10 ~ 33.90	3040	1040 ~ 3530	13.5	4.6 ~ 15.7	98	
07+12+18	Wall	Duct	Wall	—	5.51	9.65	16.54	—	31.70	12.00 ~ 33.90	2900	930 ~ 3380	12.9	4.1 ~ 15.0	98	
07+12+18	Wall	Duct	Duct	—	5.41	9.47	16.22	—	31.10	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98	
07+15+15	Wall	Wall	Wall	—	5.36	13.42	13.42	—	32.20	11.90 ~ 34.50	2780	850 ~ 3190	12.3	3.8 ~ 14.2	98	
07+15+15	Wall	Wall	Duct	—	5.28	13.21	13.21	—	31.70	12.00 ~ 33.90	2860	990 ~ 3330	12.7	4.4 ~ 14.8	98	
07+15+15	Wall	Duct	Duct	—	5.18	12.96	12.96	—	31.10	12.00 ~ 33.40	3020	1150 ~ 3500	13.4	5.1 ~ 15.5	98	
07+15+18	Wall	Wall	Wall	—	5.03	12.58	15.09	—	32.70	11.90 ~ 34.50	2820	850 ~ 3180	12.5	3.8 ~ 14.1	98	
07+15+18	Wall	Wall	Duct	—	4.95	12.38	14.87	—	32.20	12.00 ~ 33.90	2960	990 ~ 3330	13.1	4.4 ~ 14.8	98	
07+15+18	Wall	Duct	Wall	—	4.95	12.38	14.87	—	32.20	11.90 ~ 33.90	2940	990 ~ 3310	13.0	4.4 ~ 14.7	98	
07+15+18	Wall	Duct	Duct	—	4.86	12.15	14.59	—	31.60	12.00 ~ 33.40	3120	1150 ~ 3500	13.8	5.1 ~ 15.5	98	
07+18+18	Wall	Wall	Wall	—	4.76	14.27	14.27	—	33.30	11.80 ~ 34.50	2970	840 ~ 3180	13.2	3.7 ~ 14.1	98	
07+18+18	Wall	Wall	Duct	—	4.68	14.01	14.01	—	32.70	11.90 ~ 33.90	3050	990 ~ 3310	13.5	4.4 ~ 14.7	98	
07+18+18	Wall	Duct	Duct	—	4.60	13.80	13.80	—	32.20	12.00 ~ 33.40	3230	1150 ~ 3500	14.3	5.1 ~ 15.5	98	
09+09+09	Wall	Wall	Wall	—	10.17	10.17	10.17	—	30.50	7.00 ~ 33.00	2810	650 ~ 3300	12.5	2.9 ~ 14.6	98	
09+09+09	Wall	Wall	Duct	—	10.00	10.00	10.00	—	30.00	7.00 ~ 32.50	2850	720 ~ 3400	12.6	3.2 ~ 15.1	98	
09+09+09	Wall	Duct	Duct	—	9.83	9.83	9.83	—	29.50	7.10 ~ 31.90	2950	790 ~ 3510	13.1	3.5 ~ 15.6	98	
09+09+09	Duct	Duct	Duct	—	9.67	9.67	9.67	—	29.00	7.20 ~ 31.40	3070	860 ~ 3650	13.6	3.8 ~ 16.2	98	
09+09+12	Wall	Wall	Wall	—	9.12	9.12	12.76	—	31.00	7.00 ~ 33.50	2860	650 ~ 3410	12.7	2.9 ~ 15.1	98	
09+09+12	Wall	Wall	Duct	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	13.1	3.2 ~ 15.6	98	
09+09+12	Wall	Duct	Wall	—	8.97	8.97	12.56	—	30.50	7.00 ~ 32.90	2960	720 ~ 3510	13.1	3.2 ~ 15.6	98	
09+09+12	Wall	Duct	Duct	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	13.6	3.5 ~ 16.1	98	
09+09+12	Duct	Duct	Wall	—	8.82	8.82	12.36	—	30.00	7.10 ~ 32.40	3060	790 ~ 3630	13.6	3.5 ~ 16.1	98	
09+09+12	Duct	Duct	Duct	—	8.68	8.68	12.14	—	29.50	7.20 ~ 31.50	3180	860 ~ 3650	14.1	3.8 ~ 16.2	98	
09+09+15	Wall	Wall	Wall	—	7.88	7.88	15.74	—	31.50	9.80 ~ 34.00	2760	760 ~ 3290	12.2	3.4 ~ 14.6	98	
09+09+15	Wall	Wall	Duct	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2940	920 ~ 3420	13.0	4.1 ~ 15.2	98	
09+09+15	Wall	Duct	Wall	—	7.75	7.75	15.50	—	31.00	9.80 ~ 33.40	2830	820 ~ 3300	12.6	3.6 ~ 14.6	98	
09+09+15	Wall	Duct	Duct	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	3020	980 ~ 3510	13.4	4.3 ~ 15.6	98	
09+09+15	Duct	Duct	Wall	—	7.63	7.63	15.24	—	30.50	9.90 ~ 32.90	2910	890 ~ 3390	12.9	3.9 ~ 15.0	98	
09+09+15	Duct	Duct	Duct	—	7.50	7.50	15.00	—	30.00	10.00 ~ 32.30	3120	1060 ~ 3620	13.8	4.7 ~ 16.1	98	
09+09+18	Wall	Wall	Wall	—	7.30	7.30	17.50	—	32.10	12.00 ~ 34.20	2840	870 ~ 3270	12.6	3.9 ~ 14.5	98	
09+09+18	Wall	Wall	Duct	—	7.16	7.16	17.18	—	31.50	12.10 ~ 33.60	3040	1040 ~ 3480	13.5	4.6 ~ 15.4	98	
09+09+18	Wall	Duct	Wall	—	7.16	7.16	17.18	—	31.50	12.00 ~ 33.90	2850	930 ~ 3380	12.6	4.1 ~ 15.0	98	
09+09+18	Wall	Duct	Duct	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+09+18	Duct	Duct	Wall	—	7.05	7.05	16.90	—	31.00	12.10 ~ 33.40	2920	1000 ~ 3470	13.0	4.4 ~ 15.4	98	
09+09+18	Duct	Duct	Duct	—	6.91	6.91	16.58	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	14.1	5.3 ~ 16.6	98	
09+12+12	Wall	Wall	Wall	—	8.28	11.61	11.61	—	31.50	9.90 ~ 33.70	2970	800 ~ 3460	13.2	3.5 ~ 15.4	98	
09+12+12	Wall	Wall	Duct	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	13.6	3.9 ~ 16.1	98	
09+12+12	Wall	Duct	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	14.1	4.2 ~ 16.1	98	
09+12+12	Duct	Wall	Wall	—	8.16	11.42	11.42	—	31.00	9.90 ~ 33.40	3060	870 ~ 3630	13.6	3.9 ~ 16.1	98	
09+12+12	Duct	Wall	Duct	—	8.02	11.24	11.24	—	30.50	10.00 ~ 32.50	3170	950 ~ 3630	14.1	4.2 ~ 16.1	98	
09+12+12	Duct	Duct	Duct	—	7.90	11.05	11.05	—	30.00	10.10 ~ 31.50	3300	1030 ~ 3650	14.6	4.6 ~ 16.2	98	
09+12+15	Wall	Wall	Wall	—	7.30	10.21	14.59	—	32.10	12.00 ~ 34.20	2870	880 ~ 3290	12.7	3.9 ~ 14.6	98	
09+12+15	Wall	Wall	Duct	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	3040	1040 ~ 3530	13.5	4.6 ~ 15.7	98	
09+12+15	Wall	Duct	Wall	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	13.0	4.2 ~ 15.2	98	
09+12+15	Wall	Duct	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98	
09+12+15	Duct	Wall	Wall	—	7.16	10.02	14.32	—	31.50	12.10 ~ 33.90	2930	940 ~ 3420	13.0	4.2 ~ 15.2	98	
09+12+15	Duct	Wall	Duct	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	3130	1110 ~ 3630	13.9	4.9 ~ 16.1	98	
09+12+15	Duct	Duct	Wall	—	7.05	9.86	14.09	—	31.00	12.10 ~ 33.40	2960	1020 ~ 3500	13.1	4.5 ~ 15.5	98	
09+12+15	Duct	Duct	Duct	—	6.91	9.67	13.82	—	30.40	12.20 ~ 32.80	3170	1190 ~ 3740	14.1	5.3 ~ 16.6	98	
09+12+18	Wall	Wall	Wall	—	6.79	9.51	16.30	—	32.60	12.00 ~ 34.20	2950	870 ~ 3270	13.1	3.9 ~ 14.5	98	
09+12+18	Wall	Wall	Duct	—	6.67	9.33	16.00	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	14.0	4.6 ~ 15.7	98	
09+12+18	Wall	Duct	Wall	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	13.1	4.1 ~ 15.0	98	
09+12+18	Wall	Duct	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98	
09+12+18	Duct	Wall	Wall	—	6.67	9.33	16.00	—	32.00	12.00 ~ 33.90	2950	930 ~ 3380	13.1	4.1 ~ 15.0	98	
09+12+18	Duct	Wall	Duct	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98	
09+12+18	Duct	Duct	Wall	—	6.56	9.19	15.75	—	31.50	12.10 ~ 33.40	3030	1000 ~ 3470	13.4	4.4 ~ 15.4	98	
09+12+18	Duct	Duct	Duct	—	6.44	9.01	15.45	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	14.6	5.3 ~ 16.6	98	
09+15+15	Wall	Wall	Wall	—	6.52	13.04	13.04	—	32.60	11.90 ~ 34.50	2830	850 ~ 3190	12.6	3.8 ~ 14.2	98	
09+15+15	Wall	Wall	Duct	—	6.40	12.80	12.80	—	32.00	12.00 ~ 33.90	2960	990 ~ 3330	13.1	4.4 ~ 14.8	98	
09+15+15	Wall	Duct	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	3070	1150 ~ 3500	13.6	5.1 ~ 15.5	98	
09+15+15	Duct	Wall	Wall	—	6.40	12.80	12.80	—	32.00	11.90 ~ 33.90	2810	900 ~ 3230	12.5	4.0 ~ 14.3	98	
09+15+15	Duct	Wall	Duct	—	6.30	12.60	12.60	—	31.50	12.00 ~ 33.40	2960	1060 ~ 3390	13.1	4.7 ~ 15.0	98	
09+15+15	Duct	Duct	Duct	—	6.18	12.36	12.36	—	30.90	12.10 ~ 32.80	3150	1220 ~ 3520	14.0	5.4 ~ 15.6	98	
09+15+18	Wall	Wall	Wall	—	6.13	12.26	14.71	—	33.10	11.90 ~ 34.50	2920	850 ~ 3180	13.0	3.8 ~ 14.1	98	
09+15+18	Wall	Wall	Duct	—	6.02	12.04	14.44	—	32.50	12.00 ~ 34.00	3010	990 ~ 3330	13.4	4.4 ~ 14.8	98	
09+15+18	Wall	Duct	Wall	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2990	990 ~ 3310	13.3	4.4 ~ 14.7	98	
09+15+18	Wall	Duct	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	14.1	5.1 ~ 15.5	98	
09+15+18	Duct	Wall	Wall	—	6.02	12.04	14.44	—	32.50	11.90 ~ 34.00	2890	900 ~ 3210	12.8	4.0 ~ 14.2	98	
09+15+18	Duct	Wall	Duct	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	13.6	4.7 ~ 15.0	98	
09+15+18	Duct	Duct	Wall	—	5.93	11.85	14.22	—	32.00	12.00 ~ 33.50	3040	1050 ~ 3360	13.5	4.7 ~ 14.9	98	
09+15+18	Duct	Duct	Duct	—	5.81	11.63	13.96	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	14.4	5.4 ~ 15.9	98	
09+18+18	Wall	Wall	Wall	—	5.80	13.90	13.90	—	33.60	11.80 ~ 34.50	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98	
09+18+18	Wall	Wall	Duct	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	13.8	4.4 ~ 14.7	98	
09+18+18	Wall	Duct	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	14.6	5.1 ~ 15.5	98	
09+18+18	Duct	Wall	Wall	—	5.68	13.66	13.66	—	33.00	11.90 ~ 34.00	2980	900 ~ 3190	13.2	4.0 ~ 14.2	98	
09+18+18	Duct	Wall	Duct	—	5.60	13.45	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	14.0	4.7 ~ 14.9	98	
09+18+18	Duct	Duct	Duct	—	5.50	13.20	13.20	—	31.90	12.10 ~ 32.90	3310	1220 ~ 3580	14.7	5.4 ~ 15.9	98	
12+12+12	Wall	Wall	Wall	—	10.70	10.70	10.70	—	32.10	9.90 ~ 33.70	3080	800 ~ 3460	13.7	3.5 ~ 15.4	98	
12+12+12	Wall	Wall	Duct	—	10.50	10.50	10.50	—	31.50	9.90 ~ 33.40	3170	870 ~ 3630	14.1	3.9 ~ 16.1	98	
12+12+12	Wall	Duct	Duct	—	10.33	10.33	10.33	—	31.00	10.00 ~ 32.50	3280	950 ~ 3630	14.6	4.2 ~ 16.1	98	
12+12+12	Duct	Duct	Duct	—	10.13	10.13	10.13	—	30.40	10.10 ~ 31.50	3410	1030 ~ 3650	15.1	4.6 ~ 16.2	98	
12+12+15	Wall	Wall	Wall	—	9.51	9.51	13.58	—	32.60	12.00 ~ 34.20	2970	880 ~ 3290	13.2	3.9 ~ 14.6	98	
12+12+15	Wall	Wall	Duct	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	3150	1040 ~ 3530	14.0	4.6 ~ 15.7	98	
12+12+15	Wall	Duct	Wall	—	9.33	9.33	13.34	—	32.00	12.10 ~ 33.90	2980	940 ~ 3420	13.2	4.2 ~ 15.2	98	
12+12+15	Wall	Duct	Duct	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3180	1110 ~ 3630	14.1	4.9 ~ 16.1	98	
12+12+15	Duct	Duct	Wall	—	9.19	9.19	13.12	—	31.50	12.10 ~ 33.40	3060	1020 ~ 3500	13.6	4.5 ~ 15.5	98	
12+12+15	Duct	Duct	Duct	—	9.01	9.01	12.88	—	30.90	12.20 ~ 32.80	3280	1190 ~ 3740	14.6	5.3 ~ 16.6	98	
12+12+18	Wall	Wall	Wall	—	8.91	8.91	15.28	—	33.10	12.00 ~ 34.20	3050	870 ~ 3270	13.5	3.9 ~ 14.5	98	
12+12+18	Wall	Wall	Duct	—	8.75	8.75	15.00	—	32.50	12.10 ~ 33.90	3200	1040 ~ 3530	14.2	4.6 ~ 15.7	98	
12+12+18	Wall	Duct	Wall	—	8.75	8.75	15.00	—	32.50	12.00 ~ 34.00	3060	930 ~ 3380	13.6	4.1 ~ 15.0	98	
12+12+18	Wall	Duct	Duct	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3290	1110 ~ 3680	14.6	4.9 ~ 16.3	98	
12+12+18	Duct	Duct	Wall	—	8.62	8.62	14.76	—	32.00	12.10 ~ 33.50	3140	1000 ~ 3470	13.9	4.4 ~ 15.4	98	
12+12+18	Duct	Duct	Duct	—	8.45	8.45	14.50	—	31.40	12.20 ~ 32.90	3390	1190 ~ 3740	15.0	5.3 ~ 16.6	98	
12+15+15	Wall	Wall	Wall	—	8.58	12.26	12.26	—	33.10	11.90 ~ 34.50	2930	850 ~ 3190	13.0	3.8 ~ 14.2	98	



Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
12+15+15	Wall	Wall	Duct	—	8.42	12.04	12.04	—	32.50	12.00 ~ 34.00	3010	990 ~ 3380	13.4	4.4 ~ 15.0	98	
12+15+15	Wall	Duct	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3180	1150 ~ 3500	14.1	5.1 ~ 15.5	98	
12+15+15	Duct	Wall	Wall	—	8.42	12.04	12.04	—	32.50	11.90 ~ 34.00	2910	900 ~ 3230	12.9	4.0 ~ 14.3	98	
12+15+15	Duct	Wall	Duct	—	8.30	11.85	11.85	—	32.00	12.00 ~ 33.50	3070	1060 ~ 3390	13.6	4.7 ~ 15.0	98	
12+15+15	Duct	Duct	Duct	—	8.14	11.63	11.63	—	31.40	12.10 ~ 32.90	3250	1220 ~ 3580	14.4	5.4 ~ 15.9	98	
12+15+18	Wall	Wall	Wall	—	8.11	11.59	13.90	—	33.60	11.90 ~ 34.50	3020	850 ~ 3180	13.4	3.8 ~ 14.1	98	
12+15+18	Wall	Wall	Duct	—	7.96	11.38	13.66	—	33.00	12.00 ~ 34.00	3120	990 ~ 3330	13.8	4.4 ~ 14.8	98	
12+15+18	Wall	Duct	Wall	—	7.96	11.38	13.66	—	33.00	11.90 ~ 34.00	3100	990 ~ 3310	13.8	4.4 ~ 14.7	98	
12+15+18	Wall	Duct	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3280	1150 ~ 3500	14.6	5.1 ~ 15.5	98	
12+15+18	Duct	Wall	Wall	—	7.97	11.38	13.67	—	33.00	11.90 ~ 34.00	3000	900 ~ 3210	13.3	4.0 ~ 14.2	98	
12+15+18	Duct	Wall	Duct	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3170	1060 ~ 3390	14.1	4.7 ~ 15.0	98	
12+15+18	Duct	Duct	Wall	—	7.84	11.21	13.45	—	32.50	12.00 ~ 33.50	3150	1050 ~ 3360	14.0	4.7 ~ 14.9	98	
12+15+18	Duct	Duct	Duct	—	7.70	11.00	13.20	—	31.90	12.10 ~ 32.90	3360	1220 ~ 3580	14.9	5.4 ~ 15.9	98	
07+07+07+07	Wall	Wall	Wall	Wall	7.68	7.68	7.68	7.68	30.70	6.70 ~ 33.20	2520	610 ~ 2970	11.2	2.7 ~ 13.2	98	
07+07+07+09	Wall	Wall	Wall	Wall	7.29	7.29	7.29	9.13	31.00	6.70 ~ 33.50	2570	610 ~ 2970	11.4	2.7 ~ 13.2	98	
07+07+07+09	Wall	Wall	Wall	Duct	7.20	7.20	7.20	9.00	30.60	6.80 ~ 33.10	2590	660 ~ 2990	11.5	2.9 ~ 13.3	98	
07+07+07+12	Wall	Wall	Wall	Wall	6.63	6.63	6.63	11.61	31.50	9.60 ~ 34.00	2620	730 ~ 3070	11.6	3.2 ~ 13.6	98	
07+07+07+12	Wall	Wall	Wall	Duct	6.55	6.55	6.55	11.45	31.10	9.70 ~ 33.60	2640	790 ~ 3090	11.7	3.5 ~ 13.7	98	
07+07+07+15	Wall	Wall	Wall	Wall	5.84	5.84	5.84	14.58	32.10	11.70 ~ 34.50	2710	840 ~ 3180	12.0	3.7 ~ 14.1	98	
07+07+07+15	Wall	Wall	Wall	Duct	5.76	5.76	5.76	14.42	31.70	11.80 ~ 34.10	2790	970 ~ 3250	12.4	4.3 ~ 14.4	98	
07+07+07+18	Wall	Wall	Wall	Wall	5.43	5.43	5.43	16.31	32.60	11.70 ~ 34.50	2820	850 ~ 3190	12.5	3.8 ~ 14.2	98	
07+07+07+18	Wall	Wall	Wall	Duct	5.37	5.37	5.37	16.09	32.20	11.80 ~ 34.10	2890	970 ~ 3250	12.8	4.3 ~ 14.4	98	
07+07+09+09	Wall	Wall	Wall	Wall	6.98	6.98	8.72	8.72	31.40	9.60 ~ 33.80	2620	730 ~ 3020	11.6	3.2 ~ 13.4	98	
07+07+09+09	Wall	Wall	Wall	Duct	6.89	6.89	8.61	8.61	31.00	9.70 ~ 33.40	2640	790 ~ 3040	11.7	3.5 ~ 13.5	98	
07+07+09+09	Wall	Wall	Duct	Duct	6.80	6.80	8.50	8.50	30.60	9.70 ~ 33.00	2680	840 ~ 3130	11.9	3.7 ~ 13.9	98	
07+07+09+12	Wall	Wall	Wall	Wall	6.38	6.38	7.98	11.16	31.90	9.60 ~ 34.30	2710	730 ~ 3130	12.0	3.2 ~ 13.9	98	
07+07+09+12	Wall	Wall	Wall	Duct	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	12.2	3.5 ~ 14.0	98	
07+07+09+12	Wall	Wall	Duct	Wall	6.30	6.30	7.88	11.02	31.50	9.70 ~ 33.90	2740	790 ~ 3150	12.2	3.5 ~ 14.0	98	
07+07+09+12	Wall	Wall	Duct	Duct	6.22	6.22	7.78	10.88	31.10	9.70 ~ 33.50	2730	840 ~ 3190	12.1	3.7 ~ 14.2	98	
07+07+09+15	Wall	Wall	Wall	Wall	5.63	5.63	7.04	14.10	32.40	11.70 ~ 34.50	2760	840 ~ 3180	12.2	3.7 ~ 14.1	98	
07+07+09+15	Wall	Wall	Wall	Duct	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2840	970 ~ 3250	12.6	4.3 ~ 14.4	98	
07+07+09+15	Wall	Wall	Duct	Wall	5.57	5.57	6.96	13.90	32.00	11.80 ~ 34.10	2750	890 ~ 3160	12.2	3.9 ~ 14.0	98	
07+07+09+15	Wall	Wall	Duct	Duct	5.50	5.50	6.87	13.73	31.60	11.90 ~ 33.70	2850	1020 ~ 3260	12.6	4.5 ~ 14.5	98	
07+07+09+18	Wall	Wall	Wall	Wall	5.26	5.26	6.58	15.80	32.90	11.70 ~ 34.60	2870	850 ~ 3190	12.7	3.8 ~ 14.2	98	
07+07+09+18	Wall	Wall	Wall	Duct	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98	
07+07+09+18	Wall	Wall	Duct	Wall	5.20	5.20	6.50	15.60	32.50	11.80 ~ 34.20	2850	890 ~ 3210	12.6	3.9 ~ 14.2	98	
07+07+09+18	Wall	Wall	Duct	Duct	5.14	5.14	6.42	15.40	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	12.9	4.5 ~ 14.5	98	
07+07+12+12	Wall	Wall	Wall	Wall	5.89	5.89	10.31	10.31	32.40	11.90 ~ 34.50	2760	840 ~ 3180	12.2	3.7 ~ 14.1	98	
07+07+12+12	Wall	Wall	Wall	Duct	5.82	5.82	10.18	10.18	32.00	11.90 ~ 34.10	2790	900 ~ 3250	12.4	4.0 ~ 14.4	98	
07+07+12+12	Wall	Wall	Duct	Duct	5.75	5.75	10.05	10.05	31.60	12.00 ~ 33.70	2830	960 ~ 3240	12.6	4.3 ~ 14.4	98	
07+07+12+15	Wall	Wall	Wall	Wall	5.26	5.26	9.21	13.17	32.90	11.70 ~ 34.60	2860	840 ~ 3180	12.7	3.7 ~ 14.1	98	
07+07+12+15	Wall	Wall	Wall	Duct	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98	
07+07+12+15	Wall	Wall	Duct	Wall	5.20	5.20	9.10	13.00	32.50	11.80 ~ 34.20	2850	890 ~ 3210	12.6	3.9 ~ 14.2	98	
07+07+12+15	Wall	Wall	Duct	Duct	5.14	5.14	8.99	12.83	32.10	11.90 ~ 33.80	2900	1020 ~ 3260	12.9	4.5 ~ 14.5	98	
07+07+12+18	Wall	Wall	Wall	Wall	4.95	4.95	8.66	14.84	33.40	11.70 ~ 34.60	2970	850 ~ 3190	13.2	3.8 ~ 14.2	98	
07+07+12+18	Wall	Wall	Wall	Duct	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98	
07+07+12+18	Wall	Wall	Duct	Wall	4.89	4.89	8.56	14.66	33.00	11.80 ~ 34.20	2900	890 ~ 3210	12.9	3.9 ~ 14.2	98	
07+07+12+18	Wall	Wall	Duct	Duct	4.83	4.83	8.45	14.49	32.60	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98	
07+09+09+09	Wall	Wall	Wall	Wall	6.68	8.34	8.34	8.34	31.70	9.60 ~ 34.20	2660	730 ~ 3130	11.8	3.2 ~ 13.9	98	
07+09+09+09	Wall	Wall	Wall	Duct	6.58	8.24	8.24	8.24	31.30	9.70 ~ 33.80	2690	790 ~ 3150	11.9	3.5 ~ 14.0	98	
07+09+09+09	Wall	Wall	Duct	Duct	6.51	8.13	8.13	8.13	30.90	9.70 ~ 33.40	2730	840 ~ 3190	12.1	3.7 ~ 14.2	98	
07+09+09+09	Wall	Duct	Duct	Duct	6.41	8.03	8.03	8.03	30.50	9.80 ~ 32.90	2780	900 ~ 3250	12.3	4.0 ~ 14.4	98	
07+09+09+12	Wall	Wall	Wall	Wall	6.13	7.67	7.67	10.73	32.20	9.60 ~ 34.50	2760	730 ~ 3180	12.2	3.2 ~ 14.1	98	
07+09+09+12	Wall	Wall	Wall	Duct	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	12.4	3.5 ~ 14.2	98	
07+09+09+12	Wall	Wall	Duct	Wall	6.06	7.57	7.57	10.60	31.80	9.70 ~ 34.10	2790	790 ~ 3200	12.4	3.5 ~ 14.2	98	
07+09+09+12	Wall	Wall	Duct	Duct	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98	
07+09+09+12	Wall	Duct	Duct	Wall	5.98	7.48	7.48	10.46	31.40	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98	
07+09+09+12	Wall	Duct	Duct	Duct	5.90	7.38	7.38	10.34	31.00	9.80 ~ 33.20	2880	900 ~ 3300	12.8	4.0 ~ 14.6	98	
07+09+09+15	Wall	Wall	Wall	Wall	5.45	6.81	6.81	13.63	32.70	11.70 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98	
07+09+09+15	Wall	Wall	Wall	Duct	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2890	970 ~ 3250	12.8	4.3 ~ 14.4	98	
07+09+09+15	Wall	Wall	Duct	Wall	5.38	6.73	6.73	13.46	32.30	11.80 ~ 34.10	2800	890 ~ 3160	12.4	3.9 ~ 14.0	98	

Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit										
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating
07+09+09+15	Wall	Wall	Duct	Duct	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2900	1020 ~ 3200	12.9	4.5 ~ 14.2	98
07+09+09+15	Wall	Duct	Duct	Wall	5.32	6.65	6.65	13.28	31.90	11.90 ~ 33.70	2810	930 ~ 3110	12.5	4.1 ~ 13.8	98
07+09+09+15	Wall	Duct	Duct	Duct	5.25	6.56	6.56	13.13	31.50	11.90 ~ 33.20	2930	1080 ~ 3230	13.0	4.8 ~ 14.3	98
07+09+09+18	Wall	Wall	Wall	Wall	5.12	6.40	6.40	15.38	33.30	11.70 ~ 34.60	2920	850 ~ 3190	13.0	3.8 ~ 14.2	98
07+09+09+18	Wall	Wall	Wall	Duct	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98
07+09+09+18	Wall	Wall	Duct	Wall	5.06	6.33	6.33	15.18	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+09+18	Wall	Wall	Duct	Duct	5.00	6.25	6.25	15.00	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+09+18	Wall	Duct	Duct	Wall	5.00	6.25	6.25	15.00	32.50	11.80 ~ 33.80	2900	930 ~ 3110	12.9	4.1 ~ 13.8	98
07+09+09+18	Wall	Duct	Duct	Duct	4.92	6.15	6.15	14.78	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
07+09+12+12	Wall	Wall	Wall	Wall	5.69	7.11	9.95	9.95	32.70	11.90 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98
07+09+12+12	Wall	Wall	Wall	Duct	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	12.6	4.0 ~ 14.4	98
07+09+12+12	Wall	Wall	Duct	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
07+09+12+12	Wall	Duct	Wall	Wall	5.62	7.02	9.83	9.83	32.30	11.90 ~ 34.10	2840	900 ~ 3250	12.6	4.0 ~ 14.4	98
07+09+12+12	Wall	Duct	Wall	Duct	5.55	6.93	9.71	9.71	31.90	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
07+09+12+12	Wall	Duct	Duct	Duct	5.48	6.84	9.59	9.59	31.50	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
07+09+12+15	Wall	Wall	Wall	Wall	5.12	6.40	8.97	12.81	33.30	11.70 ~ 34.60	2910	840 ~ 3180	12.9	3.7 ~ 14.1	98
07+09+12+15	Wall	Wall	Wall	Duct	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2990	970 ~ 3250	13.3	4.3 ~ 14.4	98
07+09+12+15	Wall	Wall	Duct	Wall	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+12+15	Wall	Wall	Duct	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+12+15	Wall	Duct	Wall	Wall	5.06	6.33	8.86	12.65	32.90	11.80 ~ 34.20	2900	890 ~ 3160	12.9	3.9 ~ 14.0	98
07+09+12+15	Wall	Duct	Wall	Duct	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	3000	1020 ~ 3260	13.3	4.5 ~ 14.5	98
07+09+12+15	Wall	Duct	Duct	Wall	5.00	6.25	8.75	12.50	32.50	11.90 ~ 33.80	2910	930 ~ 3110	12.9	4.1 ~ 13.8	98
07+09+12+15	Wall	Duct	Duct	Duct	4.92	6.15	8.62	12.31	32.00	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
07+12+12+12	Wall	Wall	Wall	Wall	5.34	9.32	9.32	9.32	33.30	11.90 ~ 34.50	2970	840 ~ 3180	13.2	3.7 ~ 14.1	98
07+12+12+12	Wall	Wall	Wall	Duct	5.27	9.21	9.21	9.21	32.90	11.90 ~ 34.20	2940	900 ~ 3250	13.0	4.0 ~ 14.4	98
07+12+12+12	Wall	Wall	Duct	Duct	5.20	9.10	9.10	9.10	32.50	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
07+12+12+12	Wall	Duct	Duct	Duct	5.12	8.96	8.96	8.96	32.00	12.00 ~ 33.30	3030	1020 ~ 3300	13.4	4.5 ~ 14.6	98
09+09+09+09	Wall	Wall	Wall	Wall	8.03	8.03	8.03	8.03	32.10	9.60 ~ 34.50	2710	730 ~ 3180	12.0	3.2 ~ 14.1	98
09+09+09+09	Wall	Wall	Wall	Duct	7.93	7.93	7.93	7.93	31.70	9.70 ~ 34.10	2740	790 ~ 3200	12.2	3.5 ~ 14.2	98
09+09+09+09	Wall	Wall	Duct	Duct	7.83	7.83	7.83	7.83	31.30	9.70 ~ 33.70	2780	840 ~ 3240	12.3	3.7 ~ 14.4	98
09+09+09+09	Wall	Duct	Duct	Duct	7.70	7.70	7.70	7.70	30.80	9.80 ~ 33.20	2830	900 ~ 3300	12.6	4.0 ~ 14.6	98
09+09+09+09	Duct	Duct	Duct	Duct	7.60	7.60	7.60	7.60	30.40	9.90 ~ 32.80	2900	970 ~ 3380	12.9	4.3 ~ 15.0	98
09+09+09+12	Wall	Wall	Wall	Wall	7.41	7.41	7.41	10.37	32.60	11.90 ~ 34.50	2810	840 ~ 3180	12.5	3.7 ~ 14.1	98
09+09+09+12	Wall	Wall	Wall	Duct	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	12.6	4.0 ~ 14.2	98
09+09+09+12	Wall	Wall	Duct	Wall	7.32	7.32	7.32	10.24	32.20	11.90 ~ 34.10	2840	900 ~ 3200	12.6	4.0 ~ 14.2	98
09+09+09+12	Wall	Wall	Duct	Duct	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
09+09+09+12	Wall	Duct	Duct	Wall	7.23	7.23	7.23	10.11	31.80	12.00 ~ 33.70	2880	960 ~ 3240	12.8	4.3 ~ 14.4	98
09+09+09+12	Wall	Duct	Duct	Duct	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
09+09+09+12	Duct	Duct	Duct	Wall	7.11	7.11	7.11	9.97	31.30	12.00 ~ 33.20	2930	1020 ~ 3300	13.0	4.5 ~ 14.6	98
09+09+09+12	Duct	Duct	Duct	Duct	7.02	7.02	7.02	9.84	30.90	12.10 ~ 32.80	3000	1090 ~ 3380	13.3	4.8 ~ 15.0	98
09+09+09+15	Wall	Wall	Wall	Wall	6.62	6.62	6.62	13.24	33.10	11.70 ~ 34.60	2910	840 ~ 3180	12.9	3.7 ~ 14.1	98
09+09+09+15	Wall	Wall	Wall	Duct	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2940	970 ~ 3250	13.0	4.3 ~ 14.4	98
09+09+09+15	Wall	Wall	Duct	Wall	6.54	6.54	6.54	13.08	32.70	11.80 ~ 34.20	2850	890 ~ 3160	12.6	3.9 ~ 14.0	98
09+09+09+15	Wall	Wall	Duct	Duct	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2950	1020 ~ 3260	13.1	4.5 ~ 14.5	98
09+09+09+15	Wall	Duct	Duct	Wall	6.46	6.46	6.46	12.92	32.30	11.90 ~ 33.80	2860	930 ~ 3110	12.7	4.1 ~ 13.8	98
09+09+09+15	Wall	Duct	Duct	Duct	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2980	1080 ~ 3230	13.2	4.8 ~ 14.3	98
09+09+09+15	Duct	Duct	Duct	Wall	6.36	6.36	6.36	12.72	31.80	11.90 ~ 33.30	2880	990 ~ 3130	12.8	4.4 ~ 13.9	98
09+09+09+15	Duct	Duct	Duct	Duct	6.28	6.28	6.28	12.56	31.40	12.00 ~ 32.90	3020	1140 ~ 3280	13.4	5.1 ~ 14.6	98
09+09+09+18	Wall	Wall	Wall	Wall	6.22	6.22	6.22	14.94	33.60	11.70 ~ 34.60	3030	850 ~ 3190	13.4	3.8 ~ 14.2	98
09+09+09+18	Wall	Wall	Wall	Duct	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	3040	970 ~ 3250	13.5	4.3 ~ 14.4	98
09+09+09+18	Wall	Wall	Duct	Wall	6.15	6.15	6.15	14.75	33.20	11.80 ~ 34.20	2950	890 ~ 3160	13.1	3.9 ~ 14.0	98
09+09+09+18	Wall	Wall	Duct	Duct	6.07	6.07	6.07	14.59	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	13.5	4.5 ~ 14.5	98
09+09+09+18	Wall	Duct	Duct	Wall	6.07	6.07	6.07	14.59	32.80	11.80 ~ 33.80	2950	930 ~ 3110	13.1	4.1 ~ 13.8	98
09+09+09+18	Wall	Duct	Duct	Duct	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98
09+09+09+18	Duct	Duct	Duct	Wall	5.98	5.98	5.98	14.36	32.30	11.90 ~ 33.30	2920	980 ~ 3120	13.0	4.3 ~ 13.8	98
09+09+09+18	Duct	Duct	Duct	Duct	5.91	5.91	5.91	14.17	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	13.6	5.1 ~ 14.6	98
09+09+12+12	Wall	Wall	Wall	Wall	6.90	6.90	9.65	9.65	33.10	11.90 ~ 34.50	2920	840 ~ 3180	13.0	3.7 ~ 14.1	98
09+09+12+12	Wall	Wall	Wall	Duct	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	13.0	4.0 ~ 14.2	98
09+09+12+12	Wall	Wall	Duct	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98
09+09+12+12	Wall	Duct	Wall	Wall	6.81	6.81	9.54	9.54	32.70	11.90 ~ 34.20	2940	900 ~ 3200	13.0	4.0 ~ 14.2	98
09+09+12+12	Wall	Duct	Wall	Duct	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98

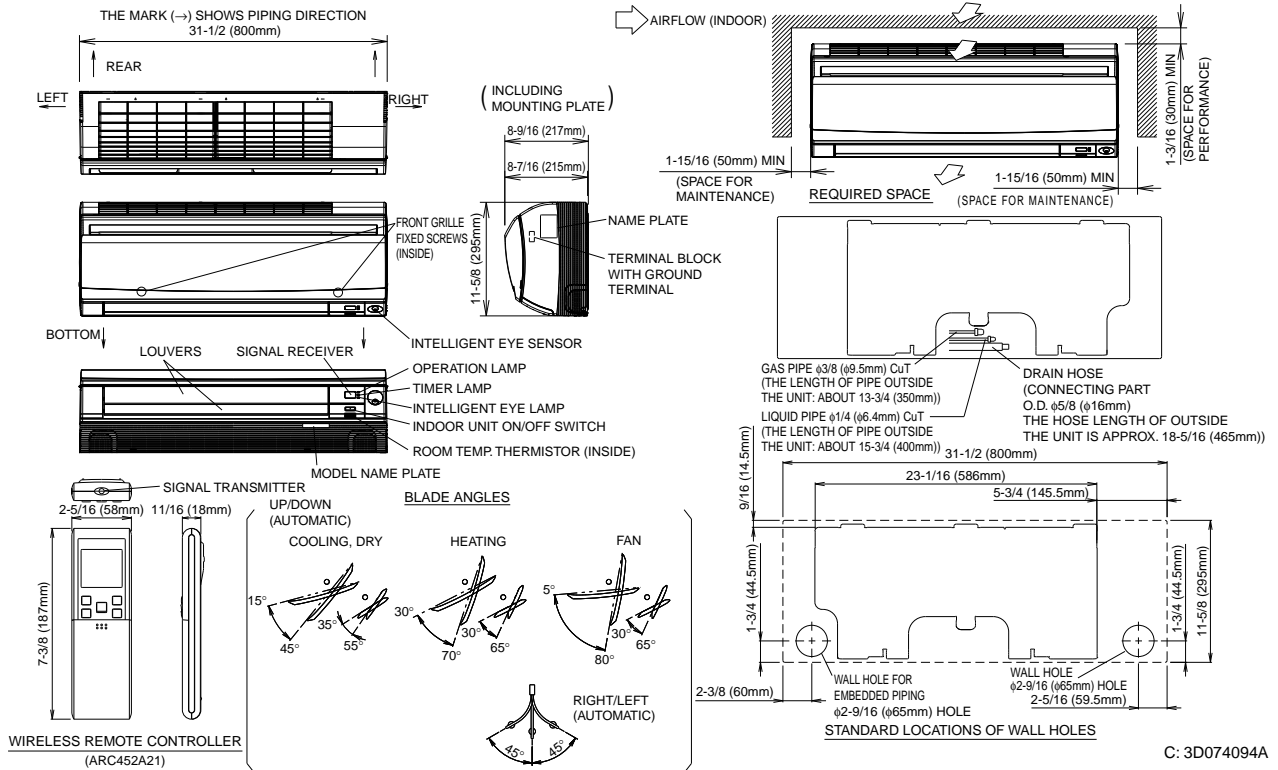
Combination of indoor unit	Type of indoor unit				Capacity of each indoor unit											
					Each capacity (kBtu/h)				Total capacity (kBtu/h)		Total input (W)		Total current (A)		Power factor (%)	
	A room	B room	C room	D room	A room	B room	C room	D room	Rating	( min ~ max )	Rating	( min ~ max )	Rating	( min ~ max )	Rating	
09+09+12+12	Wall	Duct	Duct	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	13.2	4.5 ~ 14.6	98	
09+09+12+12	Duct	Duct	Wall	Wall	6.73	6.73	9.42	9.42	32.30	12.00 ~ 33.80	2980	960 ~ 3240	13.2	4.3 ~ 14.4	98	
09+09+12+12	Duct	Duct	Wall	Duct	6.63	6.63	9.27	9.27	31.80	12.00 ~ 33.30	2980	1020 ~ 3300	13.2	4.5 ~ 14.6	98	
09+09+12+12	Duct	Duct	Duct	Duct	6.54	6.54	9.16	9.16	31.40	12.10 ~ 32.90	3050	1090 ~ 3380	13.5	4.8 ~ 15.0	98	
09+09+12+15	Wall	Wall	Wall	Wall	6.22	6.22	8.72	12.44	33.60	11.70 ~ 34.60	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98	
09+09+12+15	Wall	Wall	Wall	Duct	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	3040	970 ~ 3250	13.5	4.3 ~ 14.4	98	
09+09+12+15	Wall	Wall	Duct	Wall	6.15	6.15	8.60	12.30	33.20	11.80 ~ 34.20	2950	890 ~ 3160	13.1	3.9 ~ 14.0	98	
09+09+12+15	Wall	Wall	Duct	Duct	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	3050	1020 ~ 3260	13.5	4.5 ~ 14.5	98	
09+09+12+15	Wall	Duct	Duct	Wall	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	13.1	4.1 ~ 13.8	98	
09+09+12+15	Wall	Duct	Duct	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98	
09+09+12+15	Duct	Duct	Wall	Wall	6.07	6.07	8.51	12.15	32.80	11.90 ~ 33.80	2960	930 ~ 3110	13.1	4.1 ~ 13.8	98	
09+09+12+15	Duct	Duct	Wall	Duct	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	3030	1080 ~ 3230	13.4	4.8 ~ 14.3	98	
09+09+12+15	Duct	Duct	Duct	Wall	5.98	5.98	8.38	11.96	32.30	11.90 ~ 33.30	2930	990 ~ 3130	13.0	4.4 ~ 13.9	98	
09+09+12+15	Duct	Duct	Duct	Duct	5.91	5.91	8.27	11.81	31.90	12.00 ~ 32.90	3070	1140 ~ 3280	13.6	5.1 ~ 14.6	98	
09+12+12+12	Wall	Wall	Wall	Wall	6.45	9.05	9.05	9.05	33.60	11.90 ~ 34.50	3020	840 ~ 3180	13.4	3.7 ~ 14.1	98	
09+12+12+12	Wall	Wall	Wall	Duct	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	13.5	4.0 ~ 14.2	98	
09+12+12+12	Wall	Wall	Duct	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	13.4	4.3 ~ 14.4	98	
09+12+12+12	Wall	Duct	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	13.7	4.5 ~ 14.6	98	
09+12+12+12	Duct	Wall	Wall	Wall	6.38	8.94	8.94	8.94	33.20	11.90 ~ 34.20	3040	900 ~ 3200	13.5	4.0 ~ 14.2	98	
09+12+12+12	Duct	Wall	Wall	Duct	6.31	8.83	8.83	8.83	32.80	12.00 ~ 33.80	3030	960 ~ 3240	13.4	4.3 ~ 14.4	98	
09+12+12+12	Duct	Wall	Duct	Duct	6.20	8.70	8.70	8.70	32.30	12.00 ~ 33.30	3090	1020 ~ 3300	13.7	4.5 ~ 14.6	98	
09+12+12+12	Duct	Duct	Duct	Duct	6.13	8.59	8.59	8.59	31.90	12.10 ~ 32.90	3160	1090 ~ 3380	14.0	4.8 ~ 15.0	98	

- Note:**
1. Cooling capacity is based on 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) (Indoor temperature), 95°FDB (35°CDB) / 75°FWB (24°CWB) (Outdoor temperature).  
Heating capacity is based on 70°FDB (21°CDB) / 60°FWB (15.6°CWB) (Indoor temperature), 47°FDB (8.3°CDB) / 43°FWB (6°CWB) (Outdoor temperature).
  2. The total ability of connected indoor units is up to 45.0 kBtu/h.
  3. It is impossible to connect only one indoor unit.
  4. Wall type of indoor unit: CTXS-L, FTXS-L series  
Duct type of indoor unit: CDXS-L, FDXS-L series
- 3D078872  
3D078873  
3D078874  
3D078875  
3D078876  
3D078877  
3D078878  
3D078879

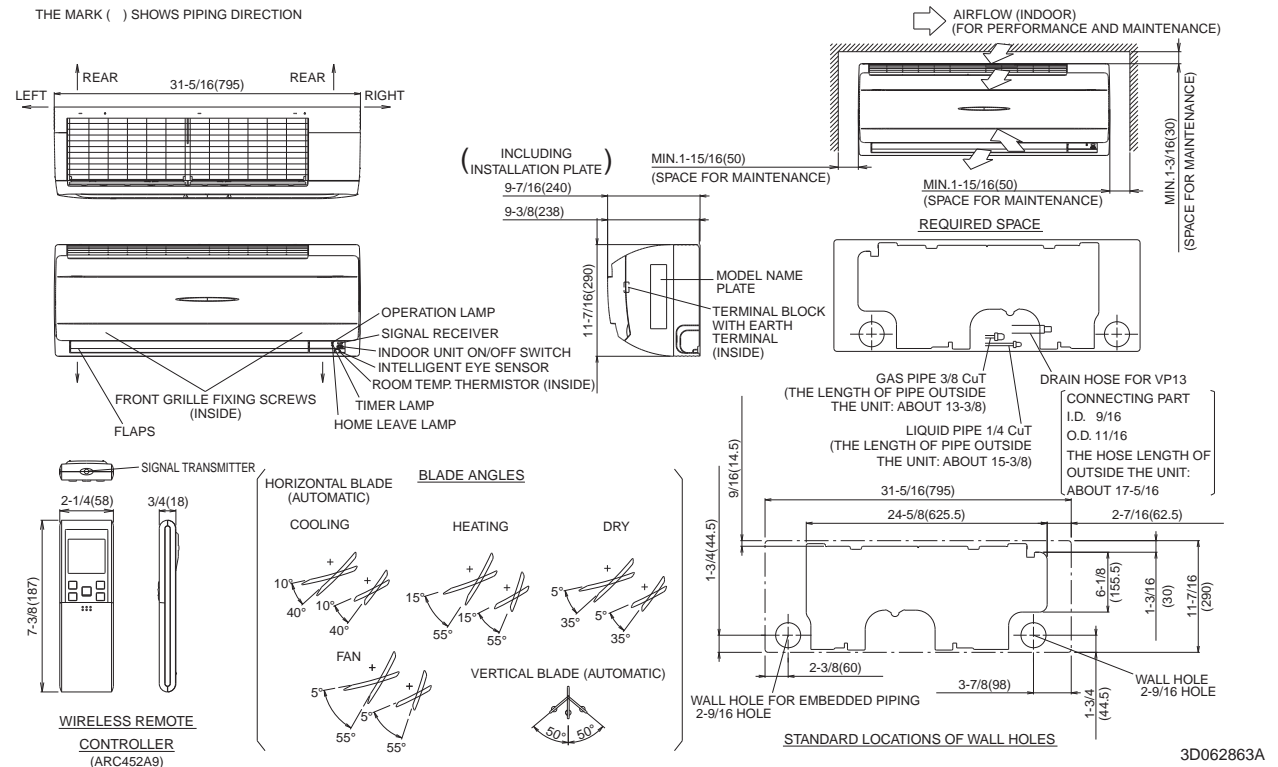
# 4. Dimensions

## 4.1 Indoor Unit

### CTXS07LVJU

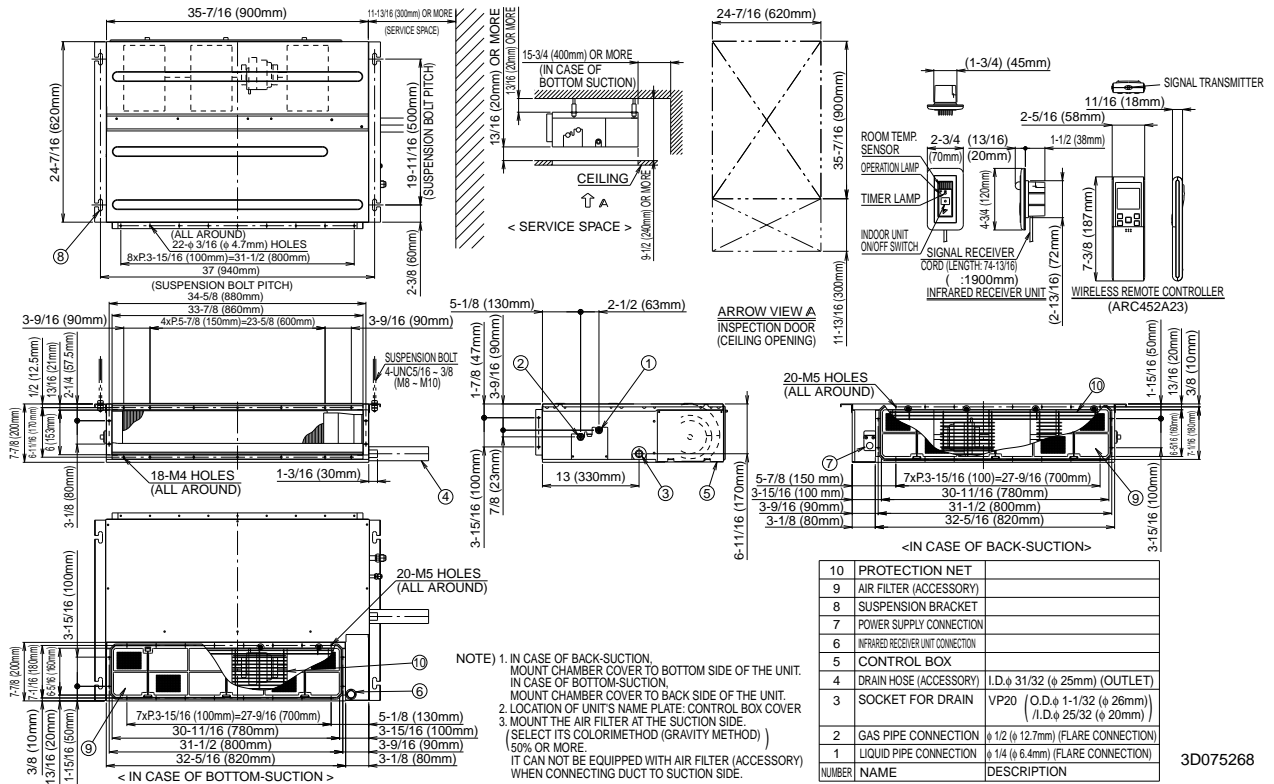


### CTXS0912HVJU



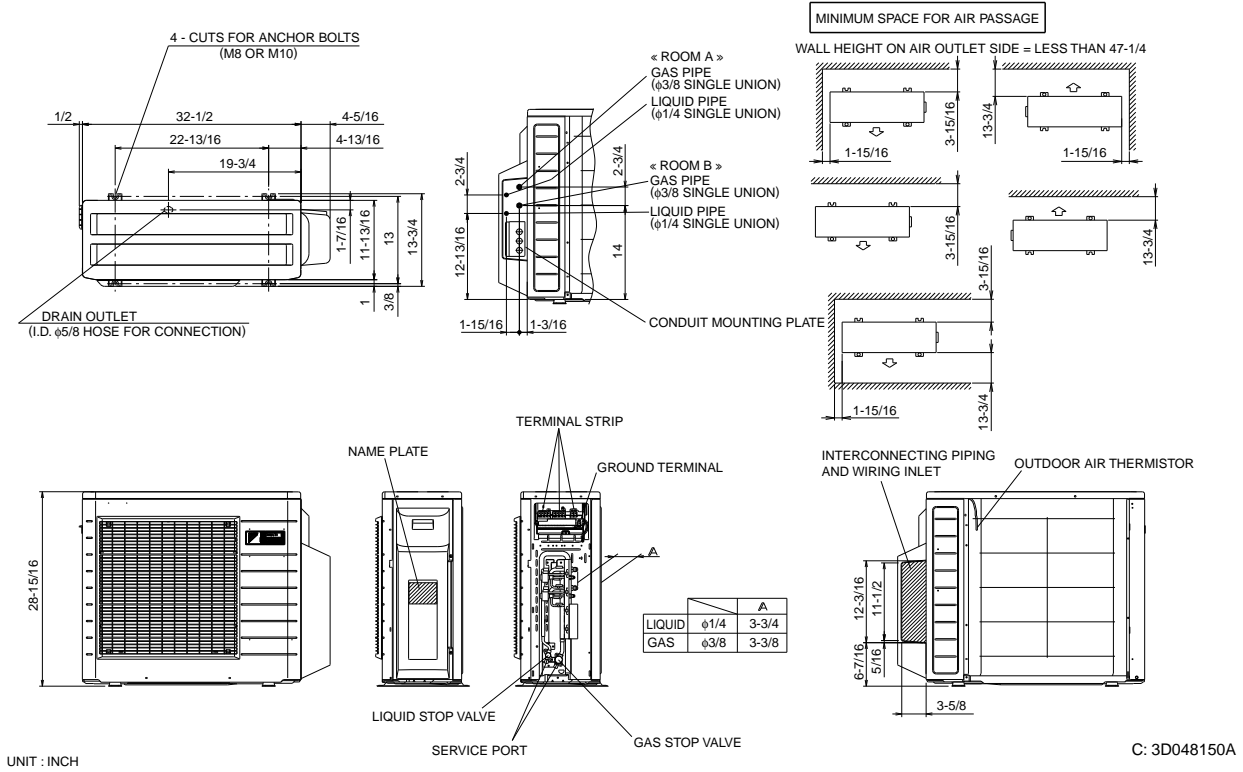


CDXS15/18LVJU

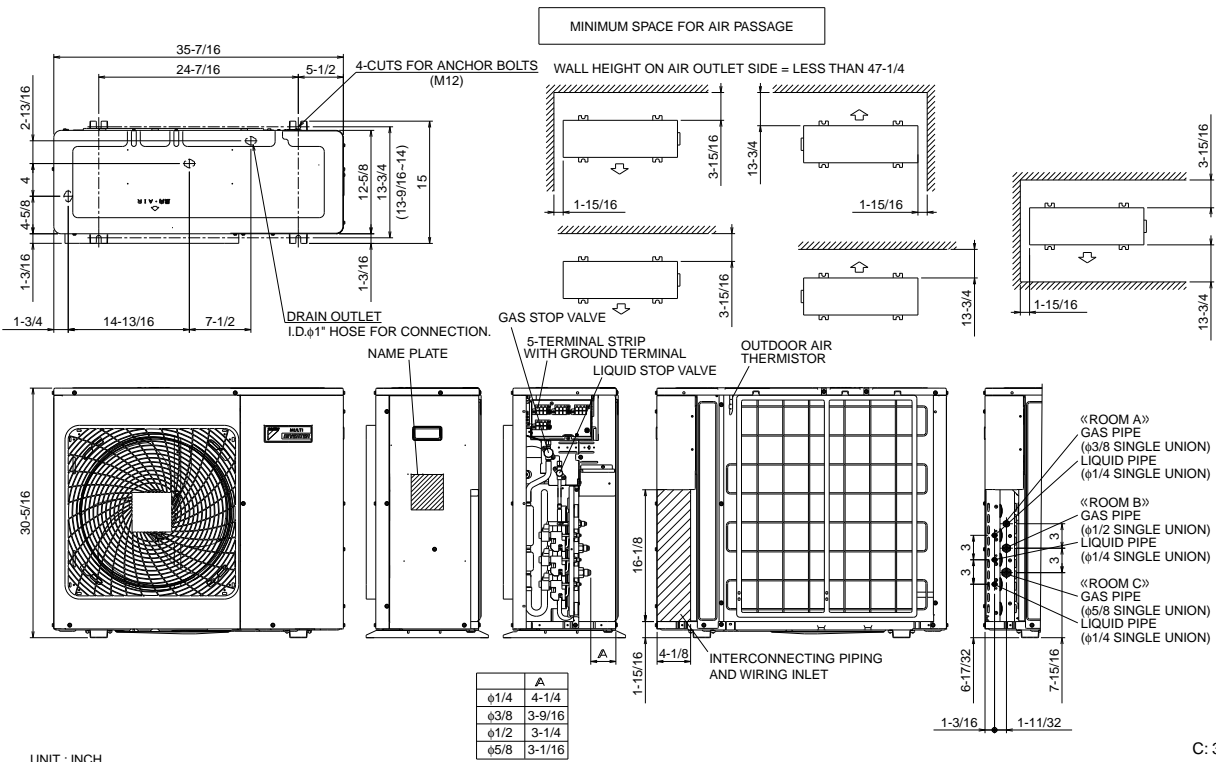


## 4.2 Outdoor Unit

### 2MXS18GVJU



### 3MXS24JVJU



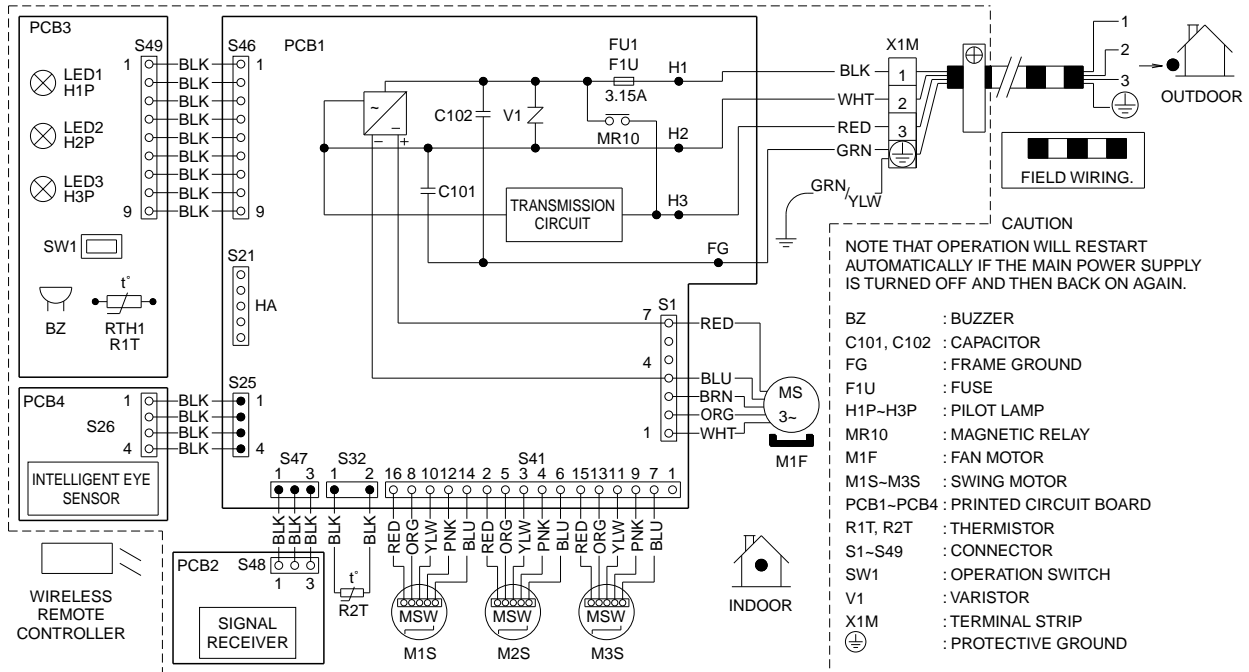




# 5. Wiring Diagrams

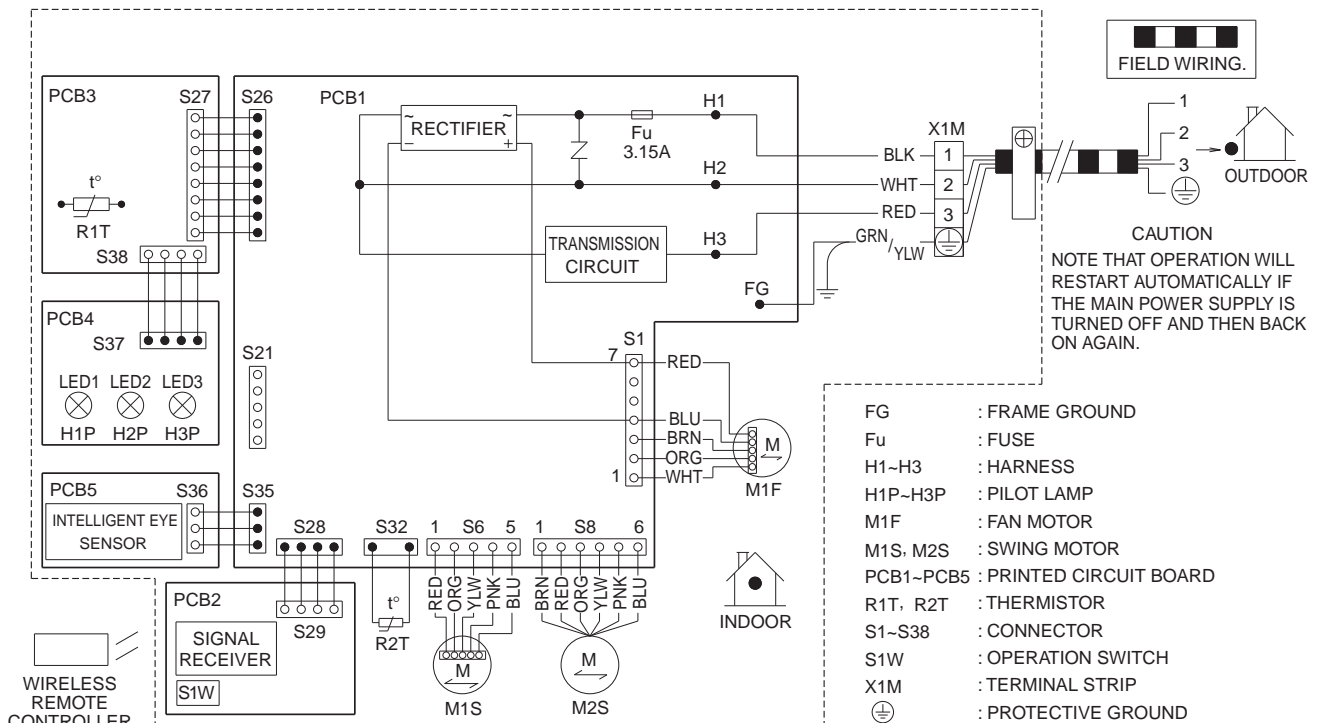
## 5.1 Indoor Unit

### CTXS07LVJU



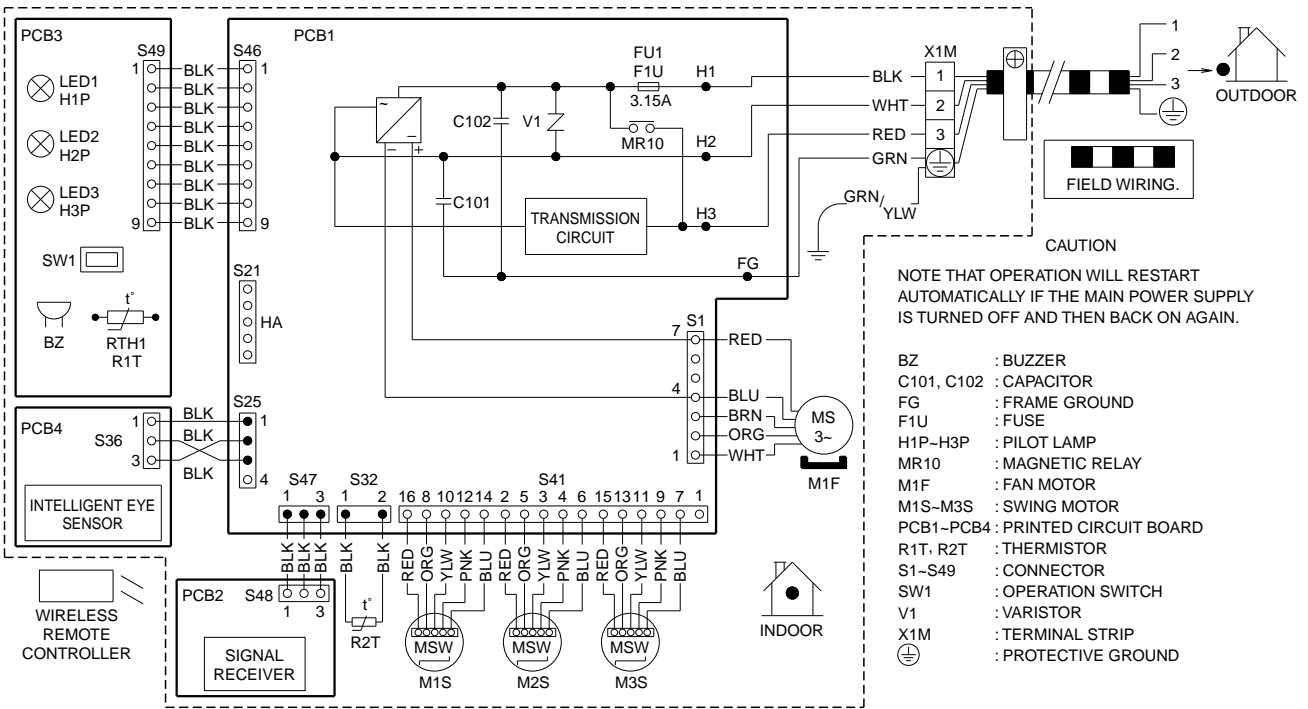
C: 3D058246F

### CTXS09/12HVJU



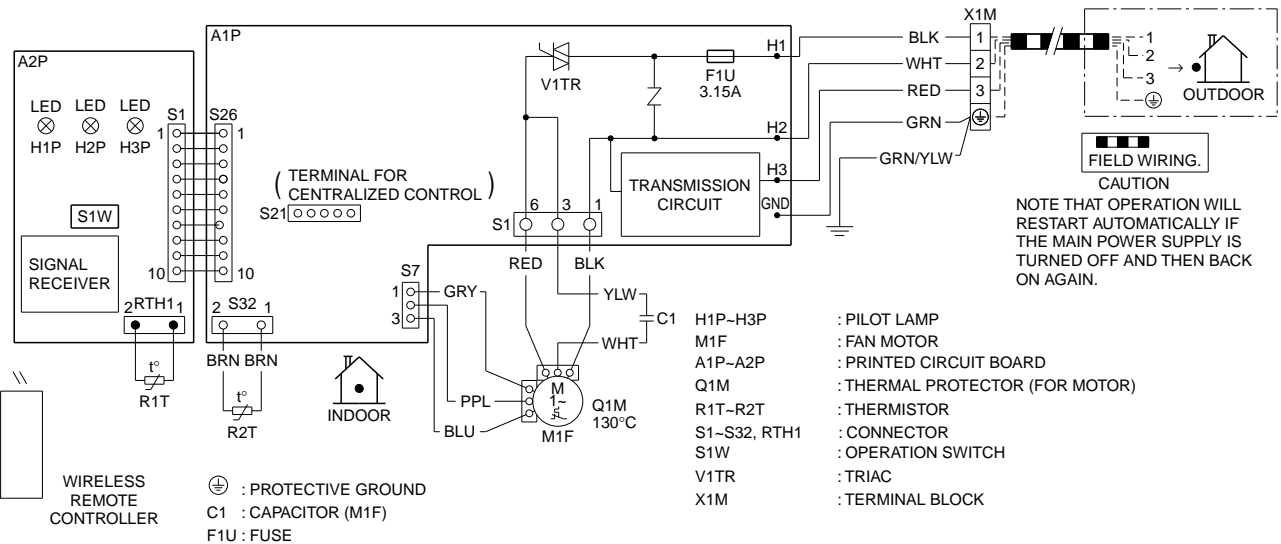
3D038065L

FTXS15/18LVJU



C: 3D060942H

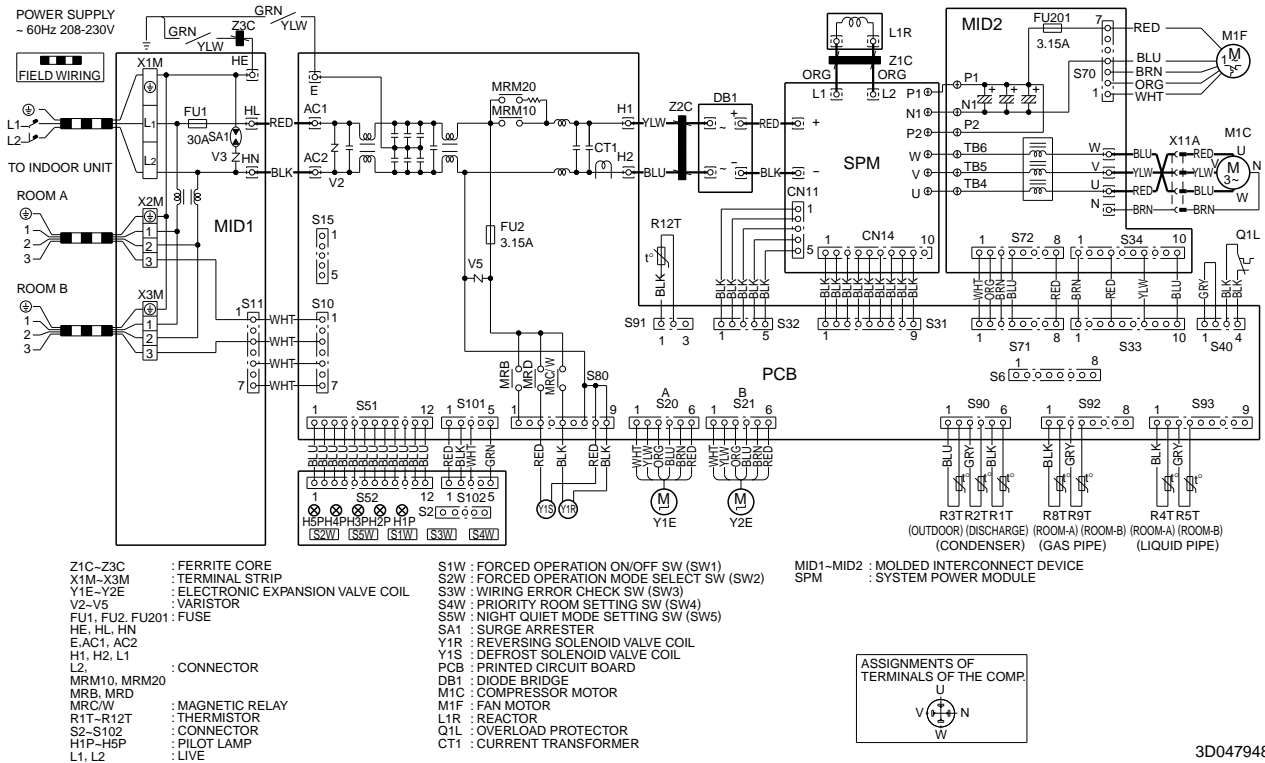
FDXS09/12LVJU, CDXS15/18LVJU



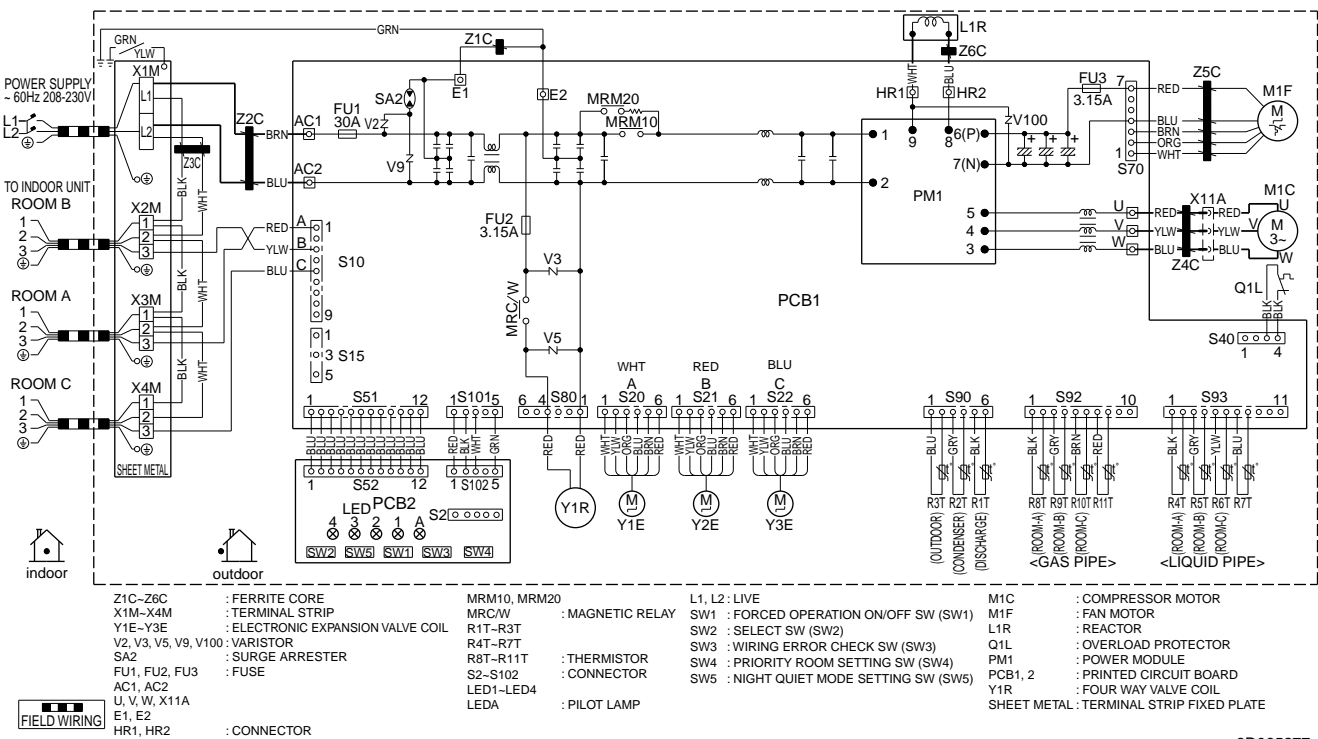
C: 3D073998B

## 5.2 Outdoor Unit

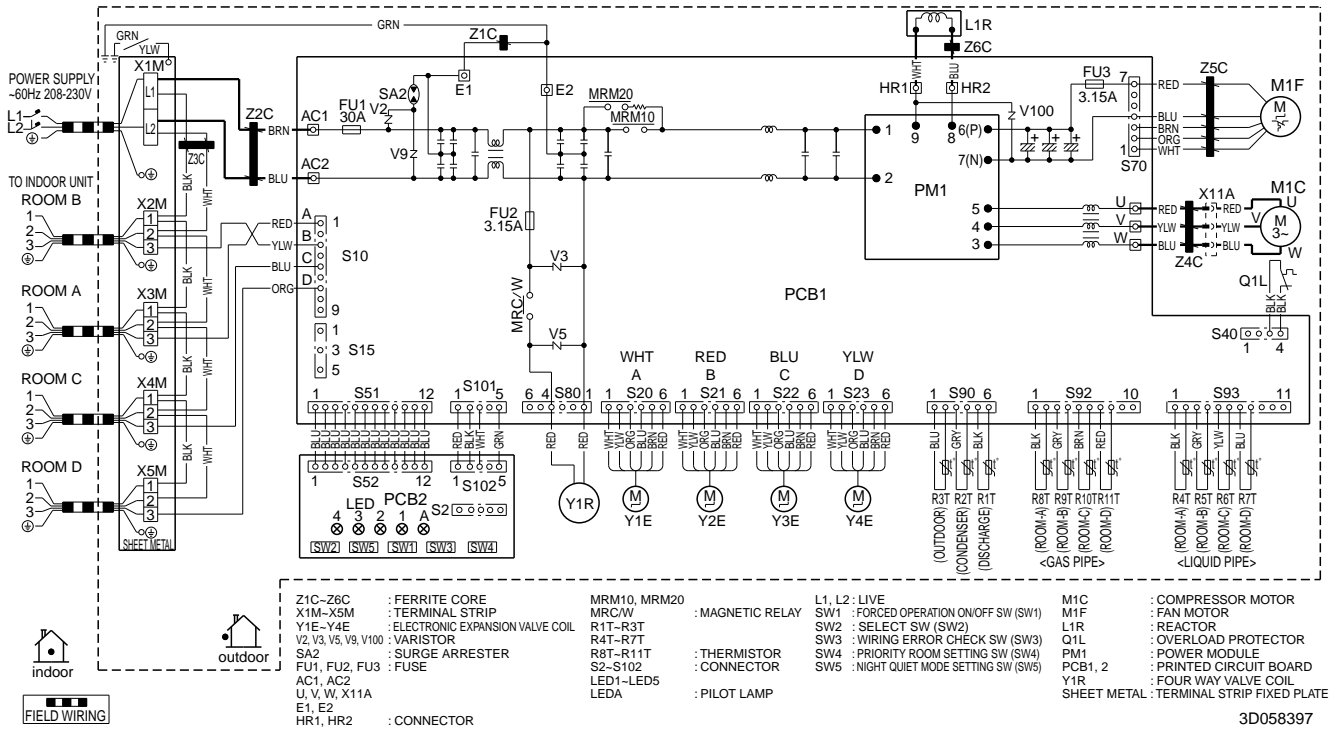
### 2MXS18GVJU



### 3MXS24JVJU



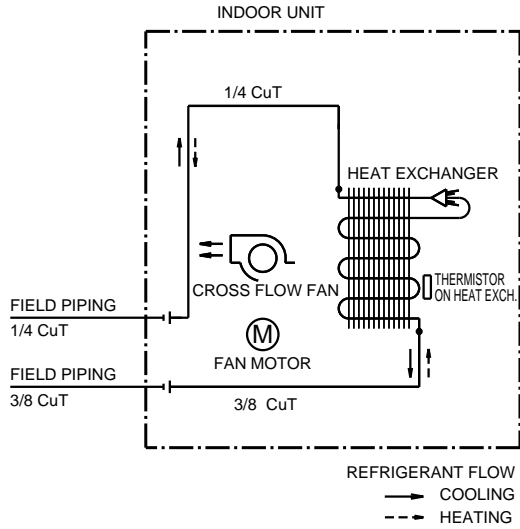
4MXS32GVJU



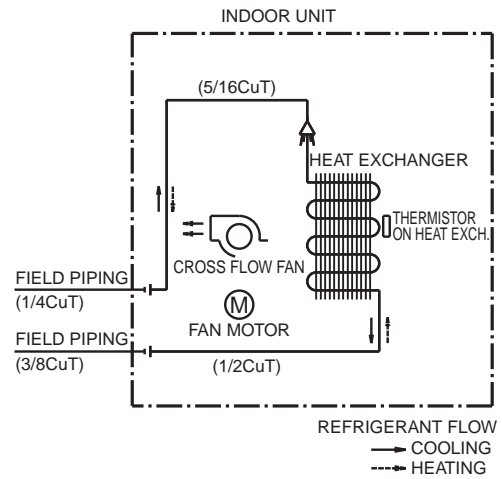
# 6. Piping Diagrams

## 6.1 Indoor Unit

CTXS07LVJU,

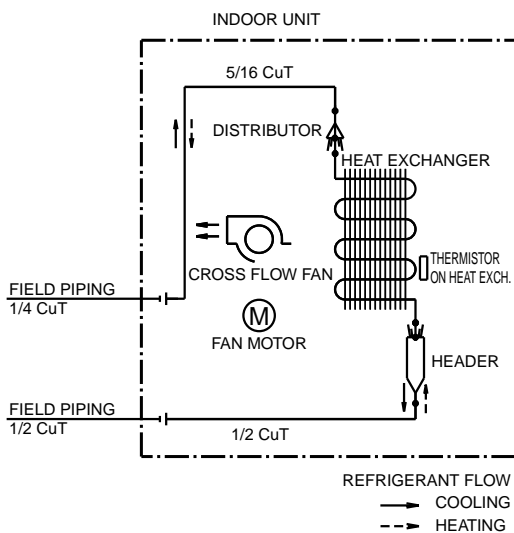


CTXS09/12HVJU

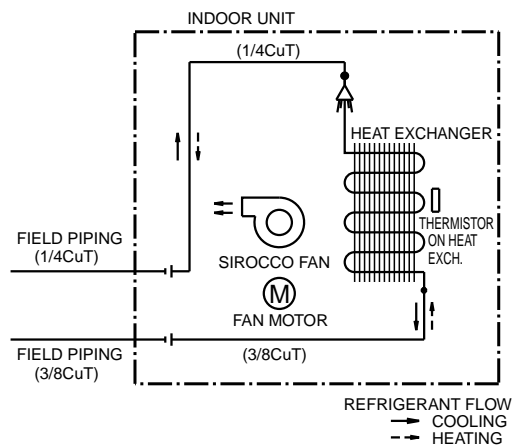


4D074606

FTXS15/18LVJU



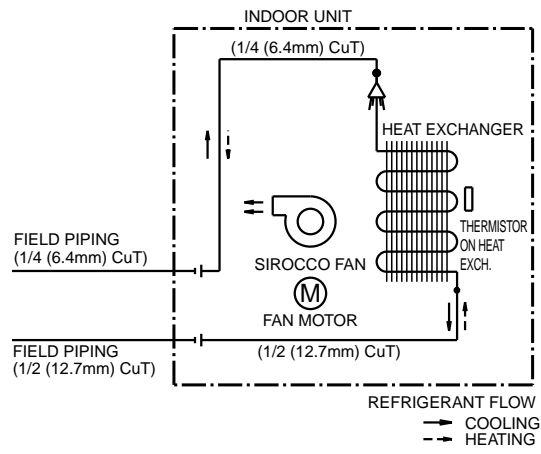
FDXS09/12LVJU



4D074609

CDXS15/18LVJU

1

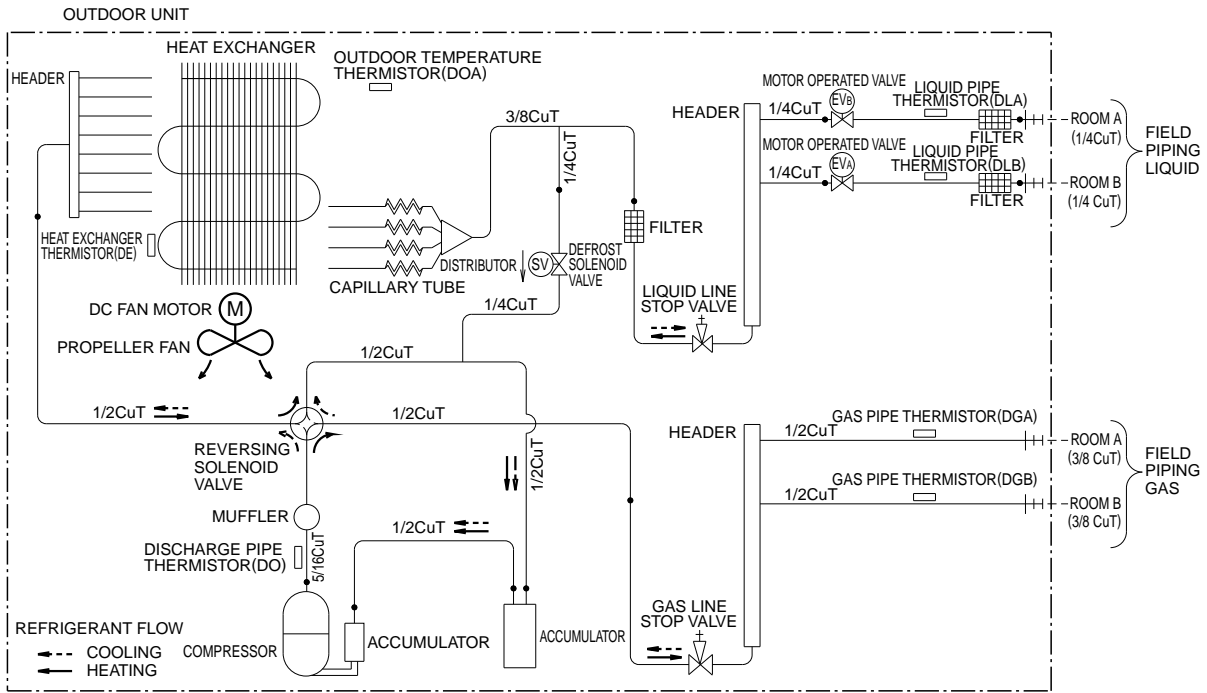


4D075271



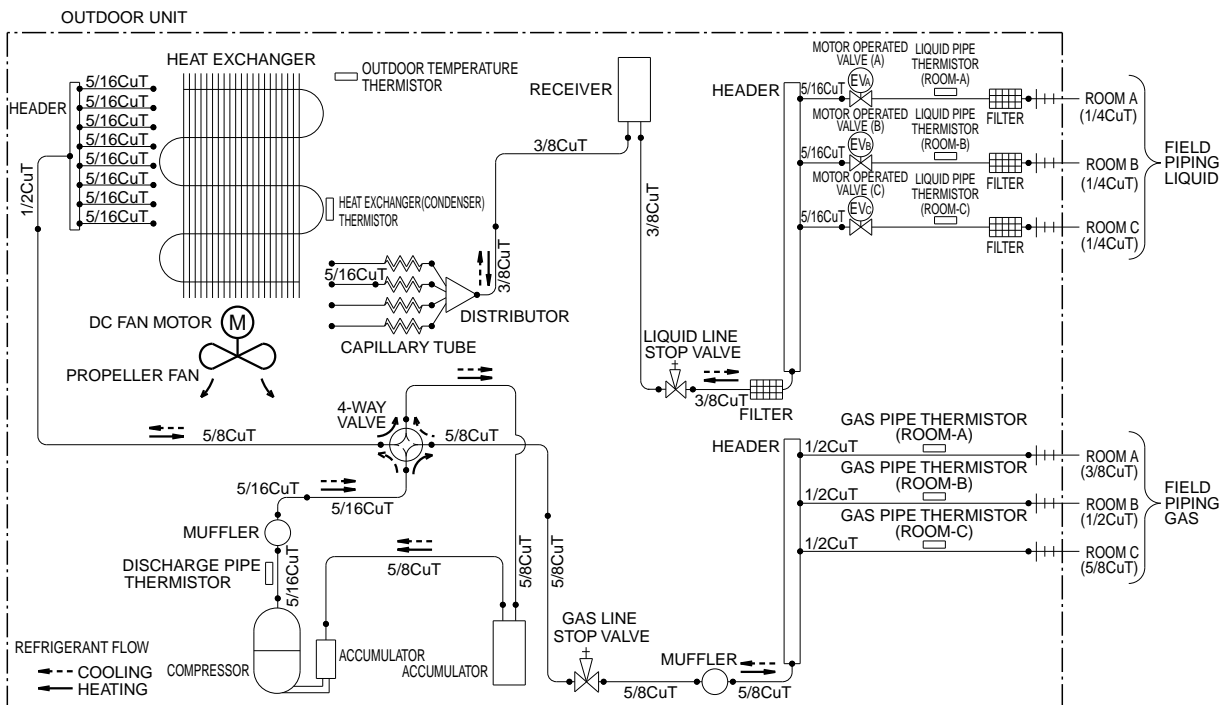
### 6.2 Outdoor Unit

#### 2MXS18GVJU



3D048177A

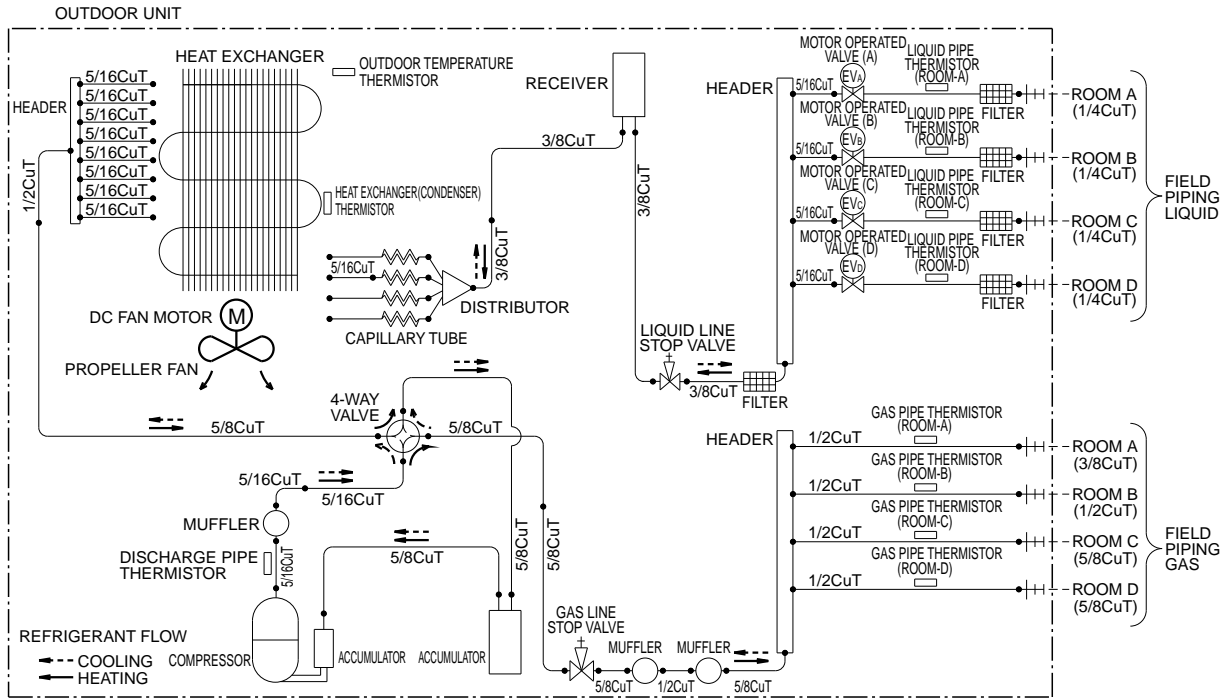
#### 3MXS24JVJU



3D066157



4MXS32GVJU



3D058508

## 7. Capacity Tables

### 7.1 2MXS18GVJU

1

#### Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.71	0.45	8.06	0.46	8.41	0.47	8.66	0.47	9.11	0.48	9.46	0.52
	77.0	7.35	0.47	7.70	0.48	8.05	0.49	8.31	0.50	8.76	0.51	9.11	0.52
	86.0	7.00	0.50	7.35	0.51	7.70	0.52	7.95	0.53	8.40	0.54	8.75	0.55
	89.6	6.86	0.52	7.21	0.53	7.56	0.53	7.81	0.54	8.26	0.55	8.61	0.56
	95.0	6.65	0.54	7.00	0.55	7.35	0.55	7.60	0.56	8.05	0.57	8.40	0.58
	104.0	6.29	0.57	6.64	0.58	6.99	0.59	7.25	0.59	7.69	0.61	8.04	0.62
	109.4	6.08	0.59	6.43	0.60	6.78	0.61	7.03	0.62	7.48	0.63	7.83	0.64
	114.8	5.87	0.62	6.22	0.62	6.57	0.63	6.82	0.64	7.27	0.65	7.62	0.66
CTXS09H	68.0	9.43	0.62	9.86	0.64	10.29	0.65	10.60	0.66	11.15	0.67	11.58	0.72
	77.0	9.00	0.66	9.43	0.67	9.86	0.69	10.17	0.70	10.71	0.71	11.14	0.72
	86.0	8.57	0.70	9.00	0.71	9.42	0.73	9.73	0.74	10.28	0.75	10.71	0.76
	89.6	8.39	0.72	8.82	0.73	9.25	0.74	9.56	0.75	10.11	0.77	10.54	0.78
	95.0	8.13	0.75	8.56	0.76	8.99	0.77	9.30	0.78	9.85	0.80	10.28	0.81
	104.0	7.70	0.79	8.13	0.81	8.56	0.82	8.87	0.83	9.41	0.84	9.84	0.86
	109.4	7.44	0.83	7.87	0.84	8.30	0.85	8.61	0.86	9.15	0.88	9.58	0.89
	114.8	7.18	0.86	7.61	0.87	8.04	0.88	8.35	0.89	8.89	0.91	9.32	0.92
FDXS09L	68.0	8.11	0.66	8.48	0.68	8.85	0.69	9.12	0.70	9.59	0.72	9.96	0.77
	77.0	7.74	0.70	8.11	0.72	8.48	0.73	8.75	0.74	9.22	0.76	9.58	0.77
	86.0	7.37	0.75	7.74	0.76	8.11	0.77	8.37	0.78	8.84	0.80	9.21	0.81
	89.6	7.22	0.77	7.59	0.78	7.96	0.79	8.22	0.80	8.69	0.82	9.06	0.83
	95.0	7.00	0.79	7.37	0.81	7.73	0.82	8.00	0.83	8.47	0.85	8.84	0.86
	104.0	6.62	0.85	6.99	0.86	7.36	0.87	7.63	0.88	8.10	0.90	8.47	0.91
	109.4	6.40	0.88	6.77	0.89	7.14	0.90	7.40	0.91	7.87	0.93	8.24	0.94
	114.8	6.18	0.91	6.55	0.92	6.91	0.94	7.18	0.95	7.65	0.96	8.02	0.98
CTXS07L + CTXS07L	68.0	15.21	0.82	15.91	0.83	16.60	0.85	17.10	0.86	17.98	0.93	18.67	0.95
	77.0	14.52	0.86	15.21	0.88	15.90	0.90	16.40	0.91	17.28	0.93	17.97	0.95
	86.0	13.82	0.92	14.51	0.93	15.20	0.95	15.70	0.96	16.58	0.98	17.27	1.00
	89.6	13.54	0.94	14.23	0.96	14.92	0.97	15.42	0.99	16.30	1.01	16.99	1.02
	95.0	13.12	0.98	13.81	0.99	14.50	1.01	15.00	1.02	15.88	1.04	16.57	1.06
	104.0	12.42	1.04	13.11	1.06	13.80	1.07	14.30	1.08	15.18	1.10	15.88	1.12
	109.4	12.00	1.08	12.69	1.10	13.38	1.11	13.88	1.12	14.77	1.14	15.46	1.16
	114.8	11.58	1.12	12.27	1.14	12.96	1.15	13.46	1.16	14.35	1.19	15.04	1.20
CTXS07L + CTXS09H	68.0	17.24	1.02	18.03	1.04	18.81	1.06	19.37	1.08	20.38	1.11	21.16	1.19
	77.0	16.45	1.09	17.23	1.11	18.02	1.13	18.58	1.14	19.58	1.17	20.37	1.19
	86.0	15.66	1.15	16.44	1.17	17.23	1.19	17.79	1.21	18.79	1.23	19.58	1.25
	89.6	15.34	1.18	16.13	1.20	16.91	1.22	17.47	1.24	18.48	1.26	19.26	1.28
	95.0	14.87	1.23	15.65	1.25	16.43	1.27	17.00	1.28	18.00	1.31	18.78	1.33
	104.0	14.08	1.30	14.86	1.32	15.64	1.35	16.21	1.36	17.21	1.39	17.99	1.41
	109.4	13.60	1.35	14.38	1.37	15.17	1.39	15.73	1.41	16.73	1.44	17.52	1.46
	114.8	13.13	1.41	13.91	1.43	14.69	1.45	15.26	1.46	16.26	1.49	17.04	1.51

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L	68.0	15.72	1.06	16.44	1.08	17.15	1.11	17.67	1.12	18.58	1.15	19.29	1.23
	77.0	15.00	1.13	15.71	1.15	16.43	1.17	16.94	1.19	17.86	1.21	18.57	1.23
	86.0	14.28	1.20	14.99	1.22	15.71	1.24	16.22	1.26	17.13	1.28	17.85	1.30
	89.6	13.99	1.23	14.70	1.25	15.42	1.27	15.93	1.29	16.85	1.31	17.56	1.33
	95.0	13.56	1.27	14.27	1.29	14.98	1.32	15.50	1.33	16.41	1.36	17.13	1.38
	104.0	12.83	1.36	13.55	1.38	14.26	1.40	14.78	1.41	15.69	1.44	16.40	1.46
	109.4	12.40	1.41	13.12	1.43	13.83	1.45	14.35	1.46	15.26	1.49	15.97	1.51
CTXS09H + CTXS09H	68.0	19.27	1.36	20.15	1.39	21.02	1.41	21.65	1.43	22.77	1.47	23.65	1.58
	77.0	18.39	1.44	19.26	1.47	20.14	1.50	20.77	1.52	21.89	1.55	22.76	1.58
	86.0	17.50	1.53	18.38	1.56	19.25	1.59	19.88	1.60	21.00	1.64	21.88	1.67
	89.6	17.15	1.57	18.02	1.60	18.90	1.62	19.53	1.64	20.65	1.68	21.52	1.70
	95.0	16.62	1.63	17.49	1.65	18.37	1.68	19.00	1.70	20.12	1.74	20.99	1.76
	104.0	15.73	1.73	16.61	1.76	17.48	1.79	18.12	1.81	19.23	1.84	20.11	1.87
	109.4	15.20	1.80	16.08	1.83	16.95	1.85	17.58	1.87	18.70	1.91	19.58	1.93
CTXS09H + FDXS09L	68.0	17.75	1.40	18.56	1.43	19.36	1.46	19.94	1.48	20.97	1.51	21.78	1.62
	77.0	16.93	1.48	17.74	1.51	18.55	1.54	19.13	1.56	20.16	1.60	20.97	1.62
	86.0	16.12	1.58	16.93	1.60	17.73	1.63	18.31	1.65	19.35	1.69	20.15	1.72
	89.6	15.79	1.61	16.60	1.64	17.41	1.67	17.99	1.69	19.02	1.73	19.83	1.75
	95.0	15.31	1.68	16.11	1.70	16.92	1.73	17.50	1.75	18.53	1.79	19.34	1.82
	104.0	14.49	1.78	15.30	1.81	16.10	1.84	16.69	1.86	17.72	1.90	18.52	1.92
	109.4	14.00	1.85	14.81	1.88	15.61	1.91	16.20	1.93	17.23	1.96	18.03	1.99
FDXS09L + FDXS09L	68.0	16.33	1.44	17.07	1.47	17.81	1.50	18.35	1.52	19.30	1.55	20.04	1.67
	77.0	15.58	1.53	16.32	1.55	17.06	1.58	17.60	1.60	18.55	1.64	19.29	1.67
	86.0	14.83	1.62	15.57	1.65	16.31	1.68	16.85	1.70	17.80	1.74	18.54	1.76
	89.6	14.53	1.66	15.27	1.69	16.01	1.72	16.55	1.74	17.50	1.78	18.24	1.80
	95.0	14.08	1.72	14.82	1.75	15.56	1.78	16.10	1.80	17.05	1.84	17.79	1.87
	104.0	13.33	1.83	14.07	1.86	14.81	1.89	15.35	1.91	16.30	1.95	17.04	1.98
	109.4	12.88	1.90	13.62	1.93	14.36	1.96	14.90	1.98	15.85	2.02	16.59	2.05
	114.8	12.43	1.98	13.17	2.01	13.92	2.03	14.45	2.06	15.40	2.09	16.14	2.12

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

3D058842B

Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	60.8	5.16	0.57	6.20	0.60	7.24	0.63	8.28	0.66	9.52	0.69	10.36	0.72	11.39	0.75
	64.4	5.03	0.58	6.07	0.61	7.11	0.64	8.15	0.66	9.40	0.70	10.23	0.72	11.27	0.75
	68.0	4.91	0.58	5.95	0.61	6.99	0.64	8.02	0.67	9.27	0.71	10.10	0.73	11.14	0.76
	70.0	4.84	0.59	5.88	0.62	6.91	0.65	7.95	0.67	9.20	0.71	10.03	0.73	11.07	0.76
	71.6	4.78	0.59	5.82	0.62	6.86	0.65	7.90	0.68	9.14	0.71	9.97	0.74	11.01	0.77
	75.2	4.65	0.60	5.69	0.63	6.73	0.65	7.77	0.68	9.02	0.72	9.85	0.74	10.89	0.77
CTXS09H	60.8	6.62	0.79	7.95	0.83	9.29	0.87	10.62	0.91	12.22	0.96	13.28	0.99	14.61	1.03
	64.4	6.46	0.80	7.79	0.84	9.12	0.88	10.45	0.92	12.05	0.97	13.12	1.00	14.45	1.04
	68.0	6.29	0.81	7.63	0.85	8.96	0.89	10.29	0.93	11.89	0.98	12.96	1.01	14.29	1.05
	70.0	6.20	0.81	7.54	0.85	8.87	0.89	10.20	0.93	11.80	0.98	12.87	1.01	14.20	1.05
	71.6	6.13	0.81	7.46	0.85	8.80	0.90	10.13	0.94	11.73	0.98	12.79	1.02	14.13	1.06
	75.2	5.97	0.82	7.30	0.86	8.63	0.90	9.97	0.94	11.56	0.99	12.63	1.03	13.96	1.07
FDXS09L	60.8	6.45	0.84	7.75	0.89	9.05	0.93	10.35	0.97	11.91	1.03	12.94	1.06	14.24	1.10
	64.4	6.29	0.85	7.59	0.90	8.89	0.94	10.19	0.98	11.75	1.04	12.79	1.07	14.08	1.11
	68.0	6.13	0.86	7.43	0.91	8.73	0.95	10.03	0.99	11.59	1.04	12.63	1.08	13.93	1.12
	70.0	6.05	0.87	7.34	0.91	8.64	0.95	9.94	1.00	11.50	1.05	12.54	1.08	13.84	1.13
	71.6	5.98	0.87	7.27	0.92	8.57	0.96	9.87	1.00	11.43	1.05	12.47	1.09	13.77	1.13
	75.2	5.82	0.88	7.12	0.93	8.41	0.97	9.71	1.01	11.27	1.06	12.31	1.10	13.50	1.13
CTXS07L + CTXS07L	60.8	10.55	1.15	12.67	1.21	14.79	1.27	16.92	1.33	19.46	1.40	21.16	1.44	23.28	1.50
	64.4	10.29	1.16	12.41	1.22	14.53	1.28	16.66	1.34	19.20	1.41	20.90	1.46	23.02	1.52
	68.0	10.03	1.18	12.15	1.23	14.27	1.29	16.40	1.35	18.94	1.42	20.64	1.47	22.77	1.53
	70.0	9.88	1.18	12.01	1.24	14.13	1.30	16.25	1.36	18.80	1.43	20.50	1.48	22.62	1.54
	71.6	9.77	1.19	11.89	1.25	14.01	1.31	16.14	1.37	18.68	1.44	20.38	1.48	22.51	1.54
	75.2	9.51	1.20	11.63	1.26	13.75	1.32	15.88	1.38	18.43	1.45	20.12	1.50	22.25	1.55
CTXS07L + CTXS09H	60.8	12.01	1.37	14.42	1.45	16.84	1.52	19.26	1.59	22.16	1.67	24.09	1.73	26.50	1.80
	64.4	11.71	1.39	14.13	1.46	16.54	1.53	18.96	1.60	21.86	1.69	23.79	1.74	26.21	1.81
	68.0	11.42	1.41	13.83	1.48	16.25	1.55	18.66	1.62	21.56	1.70	23.50	1.76	25.91	1.83
	70.0	11.25	1.41	13.67	1.48	16.08	1.56	18.50	1.63	21.40	1.71	23.33	1.77	25.75	1.84
	71.6	11.12	1.42	13.54	1.49	15.95	1.56	18.37	1.63	21.27	1.72	23.20	1.77	25.62	1.84
	75.2	10.82	1.44	13.24	1.51	15.66	1.58	18.07	1.65	20.97	1.73	22.91	1.79	25.32	1.86
CTXS07L + FDXS09L	60.8	11.78	1.52	14.15	1.60	16.52	1.68	18.90	1.75	21.74	1.85	23.64	1.91	26.01	1.99
	64.4	11.49	1.54	13.86	1.61	16.23	1.69	18.61	1.77	21.45	1.86	23.35	1.93	25.72	2.00
	68.0	11.20	1.55	13.57	1.63	15.94	1.71	18.32	1.79	21.16	1.88	23.06	1.94	25.43	2.02
	70.0	11.04	1.56	13.41	1.64	15.78	1.72	18.15	1.80	21.00	1.89	22.90	1.95	25.27	2.03
	71.6	10.91	1.57	13.28	1.65	15.65	1.73	18.03	1.80	20.87	1.90	22.77	1.96	25.14	2.04
	75.2	10.62	1.59	12.99	1.67	15.36	1.74	17.74	1.82	20.58	1.91	22.48	1.98	24.85	2.05
CTXS09H + CTXS09H	60.8	13.46	1.58	16.17	1.67	18.88	1.75	21.59	1.83	24.85	1.92	27.01	1.99	29.72	2.07
	64.4	13.13	1.60	15.84	1.68	18.55	1.76	21.26	1.85	24.52	1.94	26.68	2.01	29.39	2.09
	68.0	12.80	1.62	15.51	1.70	18.22	1.78	20.93	1.86	24.18	1.96	26.35	2.03	29.06	2.11
	70.0	12.62	1.63	15.33	1.71	18.04	1.79	20.75	1.87	24.00	1.97	26.17	2.03	28.88	2.12
	71.6	12.47	1.64	15.18	1.72	17.89	1.80	20.60	1.88	23.85	1.98	26.02	2.04	28.73	2.12
	75.2	12.14	1.65	14.85	1.74	17.56	1.82	20.27	1.90	23.52	2.00	25.69	2.06	28.40	2.14
CTXS09H + FDXS09L	60.8	13.24	1.71	15.91	1.80	18.57	1.89	21.23	1.98	24.43	2.08	26.56	2.15	29.23	2.24
	64.4	12.91	1.73	15.58	1.82	18.24	1.91	20.91	1.99	24.11	2.10	26.24	2.17	28.90	2.26
	68.0	12.59	1.75	15.25	1.84	17.92	1.93	20.58	2.01	23.78	2.12	25.91	2.19	28.58	2.28
	70.0	12.41	1.76	15.07	1.85	17.74	1.94	20.40	2.02	23.60	2.13	25.73	2.20	28.40	2.29
	71.6	12.26	1.77	14.93	1.86	17.59	1.95	20.26	2.03	23.46	2.14	25.59	2.21	28.25	2.30
	75.2	11.94	1.79	14.60	1.88	17.27	1.96	19.93	2.05	23.13	2.16	25.26	2.23	27.93	2.32

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L	60.8	13.02	1.84	15.64	1.94	18.26	2.03	20.87	2.12	24.02	2.24	26.11	2.31	28.73	2.41
	64.4	12.70	1.86	15.32	1.96	17.93	2.05	20.55	2.14	23.70	2.26	25.79	2.33	28.41	2.43
	68.0	12.38	1.88	14.99	1.98	17.61	2.07	20.23	2.17	23.38	2.28	25.47	2.35	28.09	2.45
	70.0	12.20	1.89	14.82	1.99	17.44	2.08	20.06	2.18	23.20	2.29	25.30	2.37	27.92	2.46
	71.6	12.05	1.90	14.67	2.00	17.29	2.09	19.91	2.19	23.06	2.30	25.15	2.37	27.77	2.47
	75.2	11.73	1.92	14.35	2.02	16.97	2.11	19.59	2.21	22.74	2.32	24.83	2.40	27.00	2.41

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

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## 7.2 3MXS24JVJU

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## Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.79	0.54	8.14	0.55	8.49	0.56	8.66	0.56	9.19	0.58	9.54	0.59
	77.0	7.43	0.57	7.78	0.58	8.13	0.59	8.31	0.60	8.83	0.61	9.18	0.62
	86.0	7.08	0.61	7.43	0.62	7.78	0.63	7.95	0.63	8.48	0.65	8.83	0.66
	89.6	6.94	0.62	7.29	0.63	7.64	0.64	7.81	0.65	8.34	0.66	8.69	0.67
	95.0	6.72	0.64	7.07	0.65	7.42	0.67	7.60	0.67	8.13	0.69	8.48	0.70
	104.0	6.37	0.69	6.72	0.70	7.07	0.71	7.25	0.71	7.77	0.73	8.12	0.74
	109.4	6.16	0.71	6.51	0.72	6.86	0.73	7.03	0.74	7.56	0.75	7.91	0.76
	114.8	5.95	0.74	6.30	0.75	6.65	0.76	6.82	0.77	7.35	0.78	7.70	0.79
CTXS09H	68.0	9.94	0.66	10.38	0.67	10.83	0.68	11.05	0.69	11.73	0.71	12.17	0.72
	77.0	9.49	0.70	9.93	0.71	10.38	0.72	10.60	0.73	11.27	0.75	11.72	0.76
	86.0	9.03	0.74	9.48	0.75	9.93	0.77	10.15	0.77	10.82	0.79	11.27	0.81
	89.6	8.85	0.76	9.30	0.77	9.75	0.79	9.97	0.79	10.64	0.81	11.09	0.83
	95.0	8.58	0.79	9.03	0.80	9.48	0.81	9.70	0.82	10.37	0.84	10.82	0.85
	104.0	8.13	0.84	8.58	0.85	9.02	0.86	9.25	0.87	9.92	0.89	10.37	0.90
	109.4	7.86	0.87	8.31	0.88	8.75	0.90	8.98	0.90	9.65	0.92	10.09	0.94
	114.8	7.59	0.90	8.04	0.92	8.48	0.93	8.71	0.94	9.38	0.96	9.82	0.97
FDXS09L	68.0	9.63	0.71	10.06	0.72	10.50	0.73	10.71	0.74	11.36	0.76	11.80	0.78
	77.0	9.19	0.75	9.63	0.76	10.06	0.78	10.28	0.78	10.92	0.81	11.36	0.82
	86.0	8.76	0.80	9.19	0.81	9.62	0.82	9.84	0.83	10.49	0.85	10.92	0.87
	89.6	8.58	0.82	9.01	0.83	9.45	0.84	9.66	0.85	10.31	0.87	10.75	0.89
	95.0	8.32	0.85	8.75	0.86	9.18	0.87	9.40	0.88	10.05	0.90	10.48	0.92
	104.0	7.88	0.90	8.31	0.91	8.75	0.93	8.96	0.93	9.61	0.96	10.04	0.97
	109.4	7.62	0.93	8.05	0.95	8.48	0.96	8.70	0.97	9.35	0.99	9.78	1.00
	114.8	7.35	0.97	7.79	0.98	8.14	0.98	8.31	0.98	8.81	0.98	9.13	0.98
CTXS12H	68.0	13.32	0.91	13.92	0.93	14.52	0.94	14.82	0.95	15.71	0.98	16.31	1.00
	77.0	12.71	0.96	13.31	0.98	13.91	1.00	14.21	1.01	15.11	1.03	15.71	1.05
	86.0	12.11	1.02	12.71	1.04	13.31	1.06	13.61	1.07	14.50	1.09	15.10	1.11
	89.6	11.87	1.05	12.46	1.06	13.06	1.08	13.36	1.09	14.26	1.12	14.86	1.14
	95.0	11.50	1.09	12.10	1.10	12.70	1.12	13.00	1.13	13.90	1.16	14.50	1.18
	104.0	10.90	1.16	11.50	1.17	12.10	1.19	12.39	1.20	13.29	1.23	13.89	1.25
	109.4	10.53	1.20	11.13	1.22	11.73	1.24	12.03	1.24	12.93	1.27	13.53	1.29
	114.8	8.57	0.98	8.96	0.98	9.34	0.98	9.52	0.98	10.06	0.98	10.42	0.98
FDXS12L	68.0	11.28	0.82	12.95	0.95	13.51	0.97	13.79	0.98	14.63	1.01	15.18	1.02
	77.0	11.28	0.92	12.39	1.01	12.95	1.02	13.23	1.03	14.06	1.06	14.62	1.08
	86.0	11.27	1.05	11.83	1.07	12.38	1.09	12.66	1.10	13.50	1.12	14.06	1.14
	89.6	11.04	1.07	11.60	1.09	12.16	1.11	12.44	1.12	13.27	1.15	13.83	1.17
	95.0	10.71	1.11	11.26	1.13	11.82	1.15	12.10	1.16	12.94	1.19	13.49	1.21
	104.0	10.14	1.19	10.70	1.20	11.26	1.22	11.54	1.23	12.37	1.26	12.93	1.28
	109.4	9.80	1.23	10.36	1.25	10.92	1.27	11.20	1.28	12.03	1.31	12.59	1.32
	114.8	7.89	0.98	8.24	0.98	8.59	0.98	8.76	0.98	9.26	0.98	9.58	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FTXS15L	68.0	16.60	1.15	17.34	1.17	18.09	1.19	18.46	1.21	19.58	1.24	20.33	1.26
	77.0	15.84	1.22	16.59	1.24	17.34	1.26	17.71	1.27	18.83	1.31	19.57	1.33
	86.0	15.09	1.29	15.83	1.32	16.58	1.34	16.95	1.35	18.07	1.38	18.82	1.41
	89.6	14.79	1.32	15.53	1.35	16.28	1.37	16.65	1.38	17.77	1.42	18.52	1.44
	95.0	14.33	1.37	15.08	1.40	15.83	1.42	16.20	1.43	17.32	1.47	18.07	1.49
	104.0	13.58	1.46	14.33	1.49	15.07	1.51	15.45	1.52	16.57	1.55	17.31	1.58
	109.4	13.13	1.52	13.87	1.54	14.62	1.56	14.99	1.58	16.11	1.61	16.86	1.63
	114.8	9.11	0.98	9.51	0.98	9.89	0.98	10.08	0.98	10.63	0.98	10.98	0.98
CDXS15L	68.0	14.36	1.09	16.17	1.24	16.86	1.26	17.21	1.27	18.25	1.31	18.95	1.33
	77.0	14.36	1.23	15.46	1.31	16.16	1.33	16.51	1.35	17.55	1.38	18.25	1.41
	86.0	14.06	1.37	14.76	1.39	15.46	1.41	15.80	1.43	16.85	1.46	17.54	1.49
	89.6	13.78	1.40	14.48	1.42	15.17	1.45	15.52	1.46	16.57	1.50	17.26	1.52
	95.0	13.36	1.45	14.06	1.48	14.75	1.50	15.10	1.51	16.14	1.55	16.84	1.57
	104.0	12.66	1.54	13.35	1.57	14.05	1.59	14.40	1.60	15.44	1.64	16.14	1.66
	109.4	12.24	1.60	12.93	1.63	13.63	1.65	13.98	1.66	15.02	1.70	15.71	1.72
	114.8	8.36	0.98	8.72	0.98	9.06	0.98	9.23	0.98	9.73	0.98	10.05	0.98
FTXS18L	68.0	19.12	1.46	20.88	1.60	21.77	1.63	22.22	1.64	23.57	1.69	24.47	1.72
	77.0	19.07	1.66	19.97	1.69	20.87	1.72	21.32	1.74	22.66	1.78	23.56	1.82
	86.0	18.16	1.76	19.06	1.79	19.96	1.83	20.41	1.84	21.76	1.89	22.65	1.92
	89.6	17.80	1.81	18.70	1.84	19.60	1.87	20.04	1.88	21.39	1.93	22.29	1.96
	95.0	17.25	1.87	18.15	1.91	19.05	1.94	19.50	1.95	20.85	2.00	21.75	2.03
	104.0	16.35	1.99	17.24	2.03	18.14	2.06	18.59	2.07	19.94	2.12	20.84	2.15
	109.4	14.61	1.77	15.28	1.77	15.93	1.77	16.25	1.77	17.20	1.77	17.80	1.77
	114.8	9.34	0.98	9.71	0.98	10.07	0.98	10.24	0.98	10.76	0.98	11.10	0.98
CDXS18L	68.0	14.16	1.04	17.39	1.35	20.21	1.64	20.63	1.65	21.88	1.70	22.71	1.73
	77.0	14.16	1.17	17.39	1.53	19.37	1.73	19.79	1.75	21.04	1.79	21.87	1.83
	86.0	14.16	1.33	17.39	1.75	18.53	1.83	18.94	1.85	20.19	1.90	21.03	1.93
	89.6	14.16	1.40	17.35	1.85	18.19	1.88	18.61	1.89	19.86	1.94	20.69	1.97
	95.0	14.16	1.52	16.85	1.92	17.68	1.95	18.10	1.96	19.35	2.01	20.18	2.04
	104.0	14.16	1.77	16.01	2.04	16.84	2.07	17.26	2.08	18.51	2.13	19.34	2.16
	109.4	13.61	1.77	14.24	1.77	14.85	1.77	15.15	1.77	16.04	1.77	16.61	1.77
	114.8	8.82	0.98	9.17	0.98	9.51	0.98	9.67	0.98	10.16	0.98	10.48	0.98
CTXS07L + CTXS07L	68.0	17.01	1.05	17.77	1.07	18.54	1.09	18.92	1.10	20.07	1.14	20.83	1.16
	77.0	16.23	1.12	17.00	1.14	17.76	1.16	18.15	1.17	19.29	1.20	20.06	1.22
	86.0	15.46	1.18	16.23	1.21	16.99	1.23	17.37	1.24	18.52	1.27	19.28	1.29
	89.6	15.15	1.21	15.92	1.23	16.68	1.26	17.06	1.27	18.21	1.30	18.98	1.32
	95.0	14.69	1.26	15.45	1.28	16.22	1.30	16.60	1.31	17.75	1.34	18.51	1.36
	104.0	13.92	1.34	14.68	1.36	15.44	1.38	15.83	1.39	16.97	1.42	17.74	1.44
	109.4	13.45	1.39	14.22	1.41	14.98	1.43	15.36	1.44	16.51	1.47	17.28	1.50
	114.8	9.79	0.98	10.22	0.98	10.63	0.98	10.84	0.98	11.44	0.98	11.83	0.98
CTXS07L + CTXS09H	68.0	18.65	1.19	19.48	1.21	20.32	1.24	20.74	1.25	22.00	1.28	22.84	1.31
	77.0	17.80	1.26	18.64	1.28	19.48	1.31	19.89	1.32	21.15	1.35	21.99	1.38
	86.0	16.95	1.34	17.79	1.36	18.63	1.39	19.05	1.40	20.31	1.43	21.14	1.46
	89.6	16.61	1.37	17.45	1.39	18.29	1.42	18.71	1.43	19.97	1.47	20.80	1.49
	95.0	16.10	1.42	16.94	1.45	17.78	1.47	18.20	1.48	19.46	1.52	20.30	1.54
	104.0	15.26	1.51	16.09	1.54	16.93	1.56	17.35	1.57	18.61	1.61	19.45	1.63
	109.4	14.75	1.57	15.59	1.59	16.42	1.62	16.84	1.63	18.10	1.67	18.94	1.69
	114.8	9.90	0.98	10.32	0.98	10.74	0.98	10.94	0.98	11.53	0.98	11.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L	68.0	17.01	1.14	17.77	1.16	18.54	1.19	18.92	1.20	20.07	1.23	20.83	1.25
	77.0	16.23	1.21	17.00	1.23	17.76	1.25	18.15	1.27	19.29	1.30	20.06	1.32
	86.0	15.46	1.28	16.23	1.31	16.99	1.33	17.37	1.34	18.52	1.37	19.28	1.40
	89.6	15.15	1.32	15.92	1.34	16.68	1.36	17.06	1.37	18.21	1.41	18.98	1.43
	95.0	14.69	1.36	15.45	1.39	16.22	1.41	16.60	1.42	17.75	1.46	18.51	1.48
	104.0	13.92	1.45	14.68	1.47	15.44	1.50	15.83	1.51	16.97	1.54	17.74	1.57
	109.4	13.45	1.51	14.22	1.53	14.98	1.55	15.36	1.56	16.51	1.60	17.28	1.62
	114.8	9.34	0.98	9.75	0.98	10.14	0.98	10.33	0.98	10.90	0.98	11.26	0.98
CTXS07L + CTXS12H	68.0	21.82	1.53	22.80	1.56	23.78	1.59	24.28	1.60	25.75	1.65	26.73	1.68
	77.0	20.83	1.62	21.81	1.65	22.79	1.68	23.28	1.69	24.76	1.74	25.74	1.77
	86.0	19.84	1.72	20.82	1.75	21.80	1.78	22.29	1.79	23.76	1.84	24.75	1.87
	89.6	19.44	1.76	20.42	1.79	21.40	1.82	21.90	1.84	23.37	1.88	24.35	1.91
	95.0	18.85	1.83	19.83	1.86	20.81	1.89	21.30	1.90	22.77	1.95	23.75	1.98
	104.0	17.85	1.94	18.84	1.97	19.82	2.00	20.31	2.02	21.78	2.06	22.76	2.09
	109.4	16.06	1.77	16.79	1.77	17.51	1.77	17.86	1.77	18.89	1.77	19.55	1.77
	114.8	10.07	0.98	10.48	0.98	10.87	0.98	11.07	0.98	11.63	0.98	12.00	0.98
CTXS07L + FDXS12L	68.0	20.29	1.51	21.20	1.54	22.11	1.57	22.57	1.58	23.93	1.63	24.85	1.66
	77.0	19.36	1.60	20.28	1.63	21.19	1.66	21.64	1.68	23.01	1.72	23.92	1.75
	86.0	18.44	1.70	19.35	1.73	20.27	1.76	20.72	1.77	22.09	1.82	23.00	1.85
	89.6	18.07	1.74	18.98	1.77	19.90	1.80	20.35	1.82	21.72	1.86	22.63	1.89
	95.0	17.52	1.81	18.43	1.84	19.34	1.87	19.80	1.88	21.17	1.93	22.08	1.96
	104.0	16.60	1.92	17.51	1.95	18.42	1.98	18.88	2.00	20.25	2.04	21.16	2.07
	109.4	15.06	1.77	15.76	1.77	16.43	1.77	16.77	1.77	17.74	1.77	18.37	1.77
	114.8	9.55	0.98	9.94	0.98	10.31	0.98	10.49	0.98	11.03	0.98	11.38	0.98
CTXS07L + FTXS15L	68.0	24.38	1.76	25.48	1.79	26.58	1.83	27.12	1.85	28.77	1.90	29.87	1.93
	77.0	23.28	1.86	24.37	1.90	25.47	1.93	26.02	1.95	27.66	2.00	28.76	2.04
	86.0	22.17	1.98	23.26	2.01	24.36	2.05	24.91	2.07	26.55	2.12	27.65	2.15
	89.6	21.72	2.03	22.82	2.06	23.92	2.10	24.46	2.12	26.11	2.17	27.21	2.20
	95.0	21.06	2.10	22.16	2.14	23.25	2.17	23.80	2.19	25.44	2.24	26.54	2.28
	104.0	19.95	2.24	21.05	2.27	22.14	2.31	22.69	2.33	24.34	2.38	25.43	2.41
	109.4	16.71	1.77	17.44	1.77	18.15	1.77	18.51	1.77	19.53	1.77	20.20	1.77
	114.8	10.48	0.98	10.88	0.98	11.27	0.98	11.47	0.98	12.03	0.98	12.40	0.98
CTXS07L + CDXS15L	68.0	23.15	1.77	24.20	1.80	25.24	1.84	25.76	1.85	27.32	1.91	28.36	1.94
	77.0	22.10	1.87	23.14	1.91	24.18	1.94	24.70	1.96	26.27	2.01	27.31	2.05
	86.0	21.05	1.99	22.09	2.02	23.13	2.06	23.65	2.08	25.21	2.13	26.26	2.16
	89.6	20.63	2.04	21.67	2.07	22.71	2.11	23.23	2.13	24.79	2.18	25.83	2.21
	95.0	20.00	2.11	21.04	2.15	22.08	2.18	22.60	2.20	24.16	2.26	25.20	2.29
	104.0	18.94	2.25	19.99	2.28	21.03	2.32	21.55	2.34	23.11	2.39	24.15	2.43
	109.4	15.94	1.77	16.64	1.77	17.32	1.77	17.66	1.77	18.64	1.77	19.28	1.77
	114.8	10.08	0.98	10.47	0.98	10.84	0.98	11.03	0.98	11.57	0.98	11.92	0.98
CTXS07L + FTXS18L	68.0	25.31	1.90	26.44	1.93	27.58	1.97	28.15	1.99	29.86	2.05	31.00	2.08
	77.0	24.16	2.01	25.29	2.05	26.43	2.08	27.00	2.10	28.71	2.16	29.85	2.20
	86.0	23.01	2.13	24.14	2.17	25.28	2.21	25.85	2.23	27.56	2.28	28.70	2.32
	89.6	22.55	2.19	23.68	2.22	24.82	2.26	25.39	2.28	27.10	2.34	28.23	2.37
	95.0	21.86	2.27	22.99	2.31	24.13	2.34	24.70	2.36	26.41	2.42	27.54	2.46
	104.0	20.70	2.41	21.84	2.45	22.98	2.49	23.55	2.51	25.24	2.56	26.19	2.56
	109.4	16.82	1.77	17.54	1.77	18.24	1.77	18.59	1.77	19.60	1.77	20.25	1.77
	114.8	10.57	0.98	10.97	0.98	11.36	0.98	11.55	0.98	12.11	0.98	12.47	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CDXS18L	68.0	23.97	1.90	25.05	1.93	26.13	1.97	26.67	1.99	28.29	2.05	29.36	2.08
	77.0	22.88	2.01	23.96	2.05	25.04	2.08	25.58	2.10	27.20	2.16	28.27	2.20
	86.0	21.79	2.13	22.87	2.17	23.95	2.21	24.49	2.23	26.11	2.28	27.18	2.32
	89.6	21.36	2.19	22.44	2.22	23.51	2.26	24.05	2.28	25.67	2.34	26.75	2.37
	95.0	20.70	2.27	21.78	2.31	22.86	2.34	23.40	2.36	25.02	2.42	26.10	2.46
	104.0	19.62	2.41	20.69	2.45	21.77	2.49	22.31	2.51	23.91	2.56	24.82	2.56
	109.4	16.07	1.77	16.76	1.77	17.43	1.77	17.77	1.77	18.74	1.77	19.36	1.77
	114.8	10.19	0.98	10.57	0.98	10.94	0.98	11.12	0.98	11.66	0.98	12.00	0.98
CTXS09H + CTXS09H	68.0	20.29	1.33	21.20	1.36	22.11	1.39	22.57	1.40	23.93	1.44	24.85	1.47
	77.0	19.36	1.41	20.28	1.44	21.19	1.47	21.64	1.48	23.01	1.52	23.92	1.55
	86.0	18.44	1.50	19.35	1.53	20.27	1.55	20.72	1.57	22.09	1.61	23.00	1.63
	89.6	18.07	1.54	18.98	1.56	19.90	1.59	20.35	1.60	21.72	1.64	22.63	1.67
	95.0	17.52	1.60	18.43	1.62	19.34	1.65	19.80	1.66	21.17	1.70	22.08	1.73
	104.0	16.60	1.70	17.51	1.72	18.42	1.75	18.88	1.76	20.25	1.80	21.16	1.83
	109.4	16.04	1.76	16.86	1.77	17.60	1.77	17.97	1.77	19.03	1.77	19.72	1.77
	114.8	10.04	0.98	10.46	0.98	10.87	0.98	11.07	0.98	11.66	0.98	12.03	0.98
CTXS09H + FDXS09L	68.0	18.65	1.32	19.48	1.34	20.32	1.37	20.74	1.38	22.00	1.42	22.84	1.45
	77.0	17.80	1.40	18.64	1.42	19.48	1.45	19.89	1.46	21.15	1.50	21.99	1.53
	86.0	16.95	1.48	17.79	1.51	18.63	1.54	19.05	1.55	20.31	1.59	21.14	1.61
	89.6	16.61	1.52	17.45	1.55	18.29	1.57	18.71	1.58	19.97	1.62	20.80	1.65
	95.0	16.10	1.58	16.94	1.60	17.78	1.63	18.20	1.64	19.46	1.68	20.30	1.71
	104.0	15.26	1.68	16.09	1.70	16.93	1.73	17.35	1.74	18.61	1.78	19.45	1.81
	109.4	14.75	1.74	15.59	1.77	16.31	1.77	16.65	1.77	17.65	1.77	18.30	1.77
	114.8	9.42	0.98	9.81	0.98	10.19	0.98	10.38	0.98	10.93	0.98	11.29	0.98
FDXS09L + FDXS09L	68.0	16.90	1.23	17.66	1.25	18.42	1.28	18.80	1.29	19.95	1.33	20.71	1.35
	77.0	16.14	1.30	16.90	1.33	17.66	1.35	18.04	1.36	19.18	1.40	19.94	1.42
	86.0	15.37	1.38	16.13	1.41	16.89	1.43	17.27	1.44	18.41	1.48	19.17	1.51
	89.6	15.06	1.42	15.82	1.44	16.58	1.47	16.96	1.48	18.10	1.52	18.86	1.54
	95.0	14.60	1.47	15.36	1.49	16.12	1.52	16.50	1.53	17.64	1.57	18.40	1.59
	104.0	13.83	1.56	14.59	1.59	15.35	1.61	15.73	1.63	16.87	1.66	17.63	1.69
	109.4	13.37	1.62	14.13	1.65	14.89	1.67	15.27	1.69	16.41	1.72	17.17	1.75
	114.8	8.95	0.98	9.33	0.98	9.70	0.98	9.88	0.98	10.42	0.98	10.76	0.98
CTXS09H + CTXS12H	68.0	23.36	1.73	24.41	1.77	25.46	1.80	25.98	1.82	27.56	1.87	28.61	1.91
	77.0	22.30	1.84	23.35	1.87	24.40	1.91	24.92	1.93	26.50	1.98	27.55	2.01
	86.0	21.24	1.95	22.29	1.99	23.34	2.02	23.86	2.04	25.44	2.09	26.49	2.13
	89.6	20.81	2.00	21.86	2.04	22.91	2.07	23.44	2.09	25.01	2.14	26.06	2.17
	95.0	20.17	2.08	21.22	2.11	22.27	2.15	22.80	2.16	24.38	2.21	25.43	2.25
	104.0	19.11	2.21	20.16	2.24	21.21	2.28	21.74	2.29	23.31	2.35	24.36	2.38
	109.4	16.17	1.77	16.88	1.77	17.58	1.77	17.92	1.77	18.92	1.77	19.57	1.77
	114.8	10.19	0.98	10.58	0.98	10.97	0.98	11.16	0.98	11.71	0.98	12.07	0.98
CTXS09H + FDXS12L	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
	114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98
FDXS09L + FDXS12L	68.0	20.18	1.64	21.09	1.67	22.00	1.70	22.45	1.72	23.81	1.77	24.72	1.80
	77.0	19.27	1.74	20.17	1.77	21.08	1.80	21.53	1.82	22.90	1.87	23.80	1.90
	86.0	18.35	1.84	19.26	1.88	20.16	1.91	20.62	1.93	21.98	1.97	22.89	2.01
	89.6	17.98	1.89	18.89	1.92	19.80	1.95	20.25	1.97	21.61	2.02	22.52	2.05
	95.0	17.43	1.96	18.34	1.99	19.25	2.03	19.70	2.04	21.06	2.09	21.97	2.12
	104.0	16.51	2.09	17.42	2.12	18.33	2.15	18.78	2.17	20.14	2.22	21.05	2.25
	109.4	14.49	1.77	15.15	1.77	15.79	1.77	16.10	1.77	17.02	1.77	17.62	1.77
	114.8	9.30	0.98	9.66	0.98	10.01	0.98	10.18	0.98	10.69	0.98	11.02	0.98
CTXS09H + FTXS15L	68.0	25.00	1.85	26.12	1.88	27.25	1.92	27.81	1.94	29.49	1.99	30.62	2.03
	77.0	23.86	1.96	24.99	1.99	26.11	2.03	26.67	2.05	28.36	2.11	29.48	2.14
	86.0	22.73	2.08	23.85	2.12	24.97	2.15	25.54	2.17	27.22	2.23	28.35	2.26
	89.6	22.27	2.13	23.40	2.17	24.52	2.20	25.08	2.22	26.77	2.28	27.89	2.31
	95.0	21.59	2.21	22.71	2.25	23.84	2.28	24.40	2.30	26.09	2.36	27.21	2.39
	104.0	20.45	2.35	21.58	2.39	22.70	2.43	23.26	2.44	24.95	2.50	26.07	2.54
	109.4	16.78	1.77	17.50	1.77	18.21	1.77	18.56	1.77	19.58	1.77	20.24	1.77
	114.8	10.54	0.98	10.94	0.98	11.33	0.98	11.52	0.98	12.08	0.98	12.45	0.98
CTXS09H + CDXS15L	68.0	23.77	1.85	24.84	1.88	25.91	1.92	26.44	1.94	28.04	1.99	29.11	2.03
	77.0	22.69	1.96	23.76	1.99	24.83	2.03	25.36	2.05	26.96	2.11	28.03	2.14
	86.0	21.61	2.08	22.68	2.12	23.75	2.15	24.28	2.17	25.88	2.23	26.95	2.26
	89.6	21.18	2.13	22.24	2.17	23.31	2.20	23.85	2.22	25.45	2.28	26.52	2.31
	95.0	20.53	2.21	21.60	2.25	22.67	2.28	23.20	2.30	24.80	2.36	25.87	2.39
	104.0	19.45	2.35	20.52	2.39	21.59	2.43	22.12	2.44	23.72	2.50	24.79	2.54
	109.4	16.07	1.77	16.77	1.77	17.45	1.77	17.78	1.77	18.76	1.77	19.39	1.77
	114.8	10.18	0.98	10.56	0.98	10.93	0.98	11.12	0.98	11.65	0.98	12.00	0.98
FDXS09L + FTXS15L	68.0	24.59	1.99	25.69	2.03	26.80	2.07	27.35	2.09	29.01	2.15	30.12	2.19
	77.0	23.47	2.11	24.58	2.15	25.68	2.19	26.24	2.21	27.89	2.27	29.00	2.31
	86.0	22.35	2.24	23.46	2.28	24.56	2.32	25.12	2.34	26.78	2.40	27.88	2.44
	89.6	21.91	2.30	23.01	2.34	24.12	2.38	24.67	2.40	26.33	2.46	27.43	2.50
	95.0	21.24	2.38	22.34	2.42	23.45	2.46	24.00	2.48	25.66	2.54	26.76	2.58
	104.0	20.12	2.54	21.18	2.56	22.15	2.56	22.62	2.56	24.02	2.56	24.93	2.56
	109.4	16.21	1.77	16.90	1.77	17.56	1.77	17.89	1.77	18.85	1.77	19.48	1.77
	114.8	10.29	0.98	10.66	0.98	11.03	0.98	11.21	0.98	11.74	0.98	12.09	0.98
FDXS09L + CDXS15L	68.0	23.46	2.00	24.52	2.04	25.57	2.08	26.10	2.10	27.68	2.16	28.74	2.20
	77.0	22.39	2.12	23.45	2.16	24.51	2.20	25.03	2.22	26.62	2.28	27.67	2.32
	86.0	21.33	2.25	22.38	2.29	23.44	2.33	23.97	2.35	25.55	2.41	26.60	2.45
	89.6	20.90	2.31	21.96	2.35	23.01	2.39	23.54	2.41	25.12	2.47	26.18	2.51
	95.0	20.26	2.39	21.32	2.43	22.37	2.47	22.90	2.49	24.48	2.55	25.54	2.59
	104.0	19.20	2.55	20.18	2.56	21.12	2.56	21.58	2.56	22.92	2.56	23.79	2.56
	109.4	15.60	1.77	16.26	1.77	16.90	1.77	17.21	1.77	18.14	1.77	18.74	1.77
	114.8	9.97	0.98	10.34	0.98	10.69	0.98	10.86	0.98	11.37	0.98	11.71	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS18L	68.0	25.72	1.98	26.87	2.02	28.03	2.06	28.61	2.08	30.34	2.14	31.50	2.18
	77.0	24.55	2.10	25.70	2.14	26.86	2.18	27.44	2.20	29.17	2.26	30.33	2.30
	86.0	23.38	2.23	24.53	2.27	25.69	2.31	26.27	2.33	28.00	2.39	29.16	2.43
	89.6	22.91	2.29	24.07	2.33	25.22	2.37	25.80	2.39	27.54	2.45	28.69	2.49
	95.0	22.21	2.37	23.37	2.41	24.52	2.45	25.10	2.47	26.83	2.53	27.99	2.57
	104.0	21.04	2.53	22.18	2.56	23.19	2.56	23.68	2.56	25.13	2.56	26.07	2.56
	109.4	16.83	1.77	17.54	1.77	18.23	1.77	18.57	1.77	19.57	1.77	20.22	1.77
	114.8	10.60	0.98	11.00	0.98	11.38	0.98	11.56	0.98	12.12	0.98	12.47	0.98
CTXS09H + CDXS18L	68.0	24.59	1.98	25.69	2.02	26.80	2.06	27.35	2.08	29.01	2.14	30.12	2.18
	77.0	23.47	2.10	24.58	2.14	25.68	2.18	26.24	2.20	27.89	2.26	29.00	2.30
	86.0	22.35	2.23	23.46	2.27	24.56	2.31	25.12	2.33	26.78	2.39	27.88	2.43
	89.6	21.91	2.29	23.01	2.33	24.12	2.37	24.67	2.39	26.33	2.45	27.43	2.49
	95.0	21.24	2.37	22.34	2.41	23.45	2.45	24.00	2.47	25.66	2.53	26.76	2.57
	104.0	20.12	2.53	21.21	2.56	22.18	2.56	22.66	2.56	24.06	2.56	24.97	2.56
	109.4	16.23	1.77	16.91	1.77	17.58	1.77	17.91	1.77	18.87	1.77	19.50	1.77
	114.8	10.29	0.98	10.67	0.98	11.04	0.98	11.22	0.98	11.75	0.98	12.10	0.98
FDXS09L + FTXS18L	68.0	25.31	2.14	26.44	2.18	27.58	2.22	28.15	2.24	29.86	2.31	31.00	2.35
	77.0	24.16	2.26	25.29	2.31	26.43	2.35	27.00	2.37	28.71	2.43	29.85	2.48
	86.0	23.01	2.40	24.14	2.45	25.28	2.49	25.85	2.51	27.56	2.57	28.70	2.62
	89.6	22.55	2.46	23.68	2.51	24.82	2.55	25.39	2.57	27.10	2.63	28.23	2.68
	95.0	21.86	2.56	22.99	2.60	24.13	2.64	24.70	2.66	26.41	2.73	27.54	2.77
	104.0	20.33	2.56	21.30	2.56	22.26	2.56	22.73	2.56	24.10	2.56	24.99	2.56
	109.4	16.37	1.77	17.05	1.77	17.70	1.77	18.03	1.77	18.97	1.77	19.59	1.77
	114.8	10.41	0.98	10.78	0.98	11.15	0.98	11.32	0.98	11.85	0.98	12.19	0.98
FDXS09L + CDXS18L	68.0	24.08	2.13	25.16	2.17	26.24	2.21	26.78	2.23	28.41	2.30	29.49	2.34
	77.0	22.98	2.26	24.06	2.30	25.15	2.34	25.69	2.36	27.31	2.43	28.40	2.47
	86.0	21.89	2.40	22.97	2.44	24.05	2.48	24.59	2.50	26.22	2.57	27.30	2.61
	89.6	21.45	2.45	22.53	2.50	23.62	2.54	24.16	2.56	25.78	2.62	26.86	2.67
	95.0	20.79	2.55	21.88	2.59	22.96	2.63	23.50	2.65	25.12	2.72	26.21	2.76
	104.0	19.40	2.56	20.34	2.56	21.26	2.56	21.71	2.56	23.04	2.56	23.90	2.56
	109.4	15.77	1.77	16.42	1.77	17.05	1.77	17.36	1.77	18.28	1.77	18.87	1.77
	114.8	10.10	0.98	10.46	0.98	10.81	0.98	10.98	0.98	11.48	0.98	11.81	0.98
CTXS12H + CTXS12H	68.0	24.59	1.96	25.69	2.00	26.80	2.04	27.35	2.06	29.01	2.12	30.12	2.15
	77.0	23.47	2.08	24.58	2.12	25.68	2.16	26.24	2.17	27.89	2.23	29.00	2.27
	86.0	22.35	2.21	23.46	2.24	24.56	2.28	25.12	2.30	26.78	2.36	27.88	2.40
	89.6	21.91	2.26	23.01	2.30	24.12	2.34	24.67	2.36	26.33	2.42	27.43	2.46
	95.0	21.24	2.34	22.34	2.38	23.45	2.42	24.00	2.44	25.66	2.50	26.76	2.54
	104.0	20.12	2.49	21.22	2.53	22.29	2.56	22.77	2.56	24.18	2.56	25.09	2.56
	109.4	16.27	1.77	16.96	1.77	17.64	1.77	17.97	1.77	18.94	1.77	19.57	1.77
	114.8	10.31	0.98	10.69	0.98	11.06	0.98	11.24	0.98	11.78	0.98	12.13	0.98
FDXS12L + CTXS12H	68.0	24.28	2.15	25.37	2.19	26.46	2.24	27.01	2.26	28.65	2.32	29.74	2.37
	77.0	23.18	2.28	24.27	2.32	25.36	2.37	25.91	2.39	27.54	2.45	28.64	2.50
	86.0	22.07	2.42	23.17	2.47	24.26	2.51	24.80	2.53	26.44	2.59	27.53	2.64
	89.6	21.63	2.48	22.72	2.53	23.82	2.57	24.36	2.59	26.00	2.65	27.09	2.70
	95.0	20.97	2.58	22.06	2.62	23.15	2.66	23.70	2.68	25.34	2.75	26.43	2.79
	104.0	19.50	2.56	20.45	2.56	21.37	2.56	21.82	2.56	23.15	2.56	24.01	2.56
	109.4	15.85	1.77	16.50	1.77	17.13	1.77	17.45	1.77	18.36	1.77	18.96	1.77
	114.8	10.15	0.98	10.51	0.98	10.85	0.98	11.03	0.98	11.53	0.98	11.86	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS12L + FDXS12L	68.0	22.56	2.12	24.62	2.35	25.68	2.40	26.21	2.42	27.80	2.49	28.86	2.53
	77.0	22.49	2.44	23.55	2.49	24.61	2.54	25.14	2.56	26.73	2.63	27.79	2.67
	86.0	21.42	2.59	22.48	2.64	23.54	2.69	24.07	2.71	25.66	2.78	26.72	2.82
	89.6	20.99	2.66	22.05	2.70	23.11	2.75	23.64	2.77	25.23	2.84	26.29	2.89
	95.0	20.35	2.76	21.41	2.80	22.47	2.85	23.00	2.87	24.59	2.94	25.65	2.99
	104.0	18.78	2.56	19.67	2.56	20.54	2.56	20.97	2.56	22.23	2.56	23.05	2.56
	109.4	15.46	1.77	16.07	1.77	16.67	1.77	16.97	1.77	17.84	1.77	18.40	1.77
	114.8	9.99	0.98	10.33	0.98	10.66	0.98	10.82	0.98	11.30	0.98	11.61	0.98
CTXS12H + FTXS15L	68.0	25.72	1.98	26.87	2.02	28.03	2.06	28.61	2.08	30.34	2.14	31.50	2.18
	77.0	24.55	2.10	25.70	2.14	26.86	2.18	27.44	2.20	29.17	2.26	30.33	2.30
	86.0	23.38	2.23	24.53	2.27	25.69	2.31	26.27	2.33	28.00	2.39	29.16	2.43
	89.6	22.91	2.29	24.07	2.33	25.22	2.37	25.80	2.39	27.54	2.45	28.69	2.49
	95.0	22.21	2.37	23.37	2.41	24.52	2.45	25.10	2.47	26.83	2.53	27.99	2.57
	104.0	21.04	2.53	22.18	2.56	23.19	2.56	23.68	2.56	25.13	2.56	26.07	2.56
	109.4	16.83	1.77	17.54	1.77	18.23	1.77	18.57	1.77	19.57	1.77	20.22	1.77
	114.8	10.60	0.98	11.00	0.98	11.38	0.98	11.56	0.98	12.12	0.98	12.47	0.98
CTXS12H + CDXS15L	68.0	24.59	1.98	25.69	2.02	26.80	2.06	27.35	2.08	29.01	2.14	30.12	2.18
	77.0	23.47	2.10	24.58	2.14	25.68	2.18	26.24	2.20	27.89	2.26	29.00	2.30
	86.0	22.35	2.23	23.46	2.27	24.56	2.31	25.12	2.33	26.78	2.39	27.88	2.43
	89.6	21.91	2.29	23.01	2.33	24.12	2.37	24.67	2.39	26.33	2.45	27.43	2.49
	95.0	21.24	2.37	22.34	2.41	23.45	2.45	24.00	2.47	25.66	2.53	26.76	2.57
	104.0	20.12	2.53	21.21	2.56	22.18	2.56	22.66	2.56	24.06	2.56	24.97	2.56
	109.4	16.23	1.77	16.91	1.77	17.58	1.77	17.91	1.77	18.87	1.77	19.50	1.77
	114.8	10.29	0.98	10.67	0.98	11.04	0.98	11.22	0.98	11.75	0.98	12.10	0.98
FDXS12L + FTXS15L	68.0	25.00	2.09	26.12	2.13	27.25	2.17	27.81	2.19	29.49	2.25	30.62	2.30
	77.0	23.86	2.21	24.99	2.26	26.11	2.30	26.67	2.32	28.36	2.38	29.48	2.42
	86.0	22.73	2.35	23.85	2.39	24.97	2.43	25.54	2.45	27.22	2.52	28.35	2.56
	89.6	22.27	2.41	23.40	2.45	24.52	2.49	25.08	2.51	26.77	2.57	27.89	2.62
	95.0	21.59	2.50	22.71	2.54	23.84	2.58	24.40	2.60	26.09	2.67	27.21	2.71
	104.0	20.21	2.56	21.19	2.56	22.15	2.56	22.62	2.56	24.00	2.56	24.89	2.56
	109.4	16.28	1.77	16.95	1.77	17.61	1.77	17.93	1.77	18.88	1.77	19.50	1.77
	114.8	10.35	0.98	10.72	0.98	11.08	0.98	11.26	0.98	11.79	0.98	12.13	0.98
FDXS12L + CDXS15L	68.0	23.87	2.09	24.94	2.13	26.02	2.17	26.55	2.19	28.16	2.25	29.24	2.30
	77.0	22.79	2.21	23.86	2.26	24.93	2.30	25.47	2.32	27.08	2.38	28.15	2.42
	86.0	21.70	2.35	22.77	2.39	23.85	2.43	24.38	2.45	26.00	2.52	27.07	2.56
	89.6	21.27	2.41	22.34	2.45	23.41	2.49	23.95	2.51	25.56	2.57	26.63	2.62
	95.0	20.62	2.50	21.69	2.54	22.76	2.58	23.30	2.60	24.91	2.67	25.98	2.71
	104.0	19.32	2.56	20.27	2.56	21.19	2.56	21.65	2.56	22.98	2.56	23.84	2.56
	109.4	15.71	1.77	16.36	1.77	16.99	1.77	17.30	1.77	18.22	1.77	18.82	1.77
	114.8	10.05	0.98	10.41	0.98	10.76	0.98	10.93	0.98	11.44	0.98	11.77	0.98
CTXS12H + FTXS18L	68.0	26.43	2.13	27.62	2.17	28.81	2.21	29.40	2.23	31.19	2.30	32.38	2.34
	77.0	25.23	2.26	26.42	2.30	27.61	2.34	28.20	2.36	29.99	2.43	31.17	2.47
	86.0	24.03	2.40	25.22	2.44	26.41	2.48	27.00	2.50	28.78	2.57	29.97	2.61
	89.6	23.55	2.45	24.74	2.50	25.93	2.54	26.52	2.56	28.30	2.62	29.49	2.67
	95.0	22.83	2.55	24.02	2.59	25.21	2.63	25.80	2.65	27.58	2.72	28.77	2.76
	104.0	21.22	2.56	22.23	2.56	23.22	2.56	23.70	2.56	25.13	2.56	26.05	2.56
	109.4	16.95	1.77	17.64	1.77	18.32	1.77	18.66	1.77	19.64	1.77	20.27	1.77
	114.8	10.71	0.98	11.09	0.98	11.46	0.98	11.65	0.98	12.19	0.98	12.54	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CDXS18L	68.0	25.10	2.07	26.23	2.11	27.36	2.15	27.92	2.17	29.62	2.24	30.74	2.28
	77.0	23.96	2.20	25.09	2.24	26.22	2.28	26.78	2.30	28.47	2.36	29.60	2.40
	86.0	22.82	2.33	23.95	2.37	25.08	2.41	25.64	2.44	27.33	2.50	28.46	2.54
	89.6	22.36	2.39	23.49	2.43	24.62	2.47	25.18	2.49	26.88	2.56	28.01	2.60
	95.0	21.68	2.48	22.81	2.52	23.94	2.56	24.50	2.58	26.19	2.64	27.32	2.69
	104.0	20.34	2.56	21.33	2.56	22.29	2.56	22.76	2.56	24.15	2.56	25.05	2.56
	109.4	16.35	1.77	17.03	1.77	17.69	1.77	18.02	1.77	18.98	1.77	19.60	1.77
	114.8	10.38	0.98	10.76	0.98	11.12	0.98	11.30	0.98	11.83	0.98	12.17	0.98
FDXS12L + FTXS18L	68.0	25.61	2.18	26.76	2.23	27.92	2.27	28.49	2.29	30.22	2.36	31.37	2.40
	77.0	24.45	2.32	25.60	2.36	26.75	2.40	27.33	2.42	29.06	2.49	30.21	2.53
	86.0	23.28	2.46	24.44	2.50	25.59	2.55	26.16	2.57	27.89	2.63	29.04	2.68
	89.6	22.82	2.52	23.97	2.56	25.12	2.61	25.70	2.63	27.43	2.69	28.58	2.74
	95.0	22.12	2.61	23.27	2.66	24.42	2.70	25.00	2.72	26.73	2.79	27.88	2.83
	104.0	20.45	2.56	21.42	2.56	22.38	2.56	22.84	2.56	24.21	2.56	25.10	2.56
	109.4	16.48	1.77	17.15	1.77	17.80	1.77	18.12	1.77	19.07	1.77	19.68	1.77
	114.8	10.48	0.98	10.85	0.98	11.21	0.98	11.39	0.98	11.91	0.98	12.25	0.98
FDXS12L + CDXS18L	68.0	24.38	2.18	25.48	2.22	26.58	2.26	27.12	2.28	28.77	2.35	29.87	2.39
	77.0	23.28	2.31	24.37	2.35	25.47	2.39	26.02	2.42	27.66	2.48	28.76	2.52
	86.0	22.17	2.45	23.26	2.49	24.36	2.54	24.91	2.56	26.55	2.62	27.65	2.67
	89.6	21.72	2.51	22.82	2.55	23.92	2.60	24.46	2.62	26.11	2.68	27.21	2.73
	95.0	21.06	2.60	22.16	2.65	23.25	2.69	23.80	2.71	25.44	2.78	26.54	2.82
	104.0	19.54	2.56	20.48	2.56	21.40	2.56	21.85	2.56	23.17	2.56	24.03	2.56
	109.4	15.89	1.77	16.53	1.77	17.16	1.77	17.48	1.77	18.39	1.77	18.98	1.77
	114.8	10.17	0.98	10.53	0.98	10.88	0.98	11.05	0.98	11.55	0.98	11.88	0.98
FTXS15L + FTXS15L	68.0	26.84	2.05	28.05	2.09	29.26	2.13	29.86	2.15	31.67	2.21	32.88	2.25
	77.0	25.62	2.17	26.83	2.21	28.04	2.25	28.64	2.27	30.45	2.33	31.66	2.37
	86.0	24.40	2.31	25.61	2.35	26.82	2.39	27.42	2.41	29.23	2.47	30.44	2.51
	89.6	23.91	2.36	25.12	2.40	26.33	2.44	26.93	2.46	28.74	2.53	29.95	2.57
	95.0	23.18	2.45	24.39	2.49	25.60	2.53	26.20	2.55	28.01	2.61	29.22	2.65
	104.0	21.81	2.56	22.86	2.56	23.88	2.56	24.39	2.56	25.86	2.56	26.81	2.56
	109.4	17.29	1.77	18.01	1.77	18.71	1.77	19.06	1.77	20.07	1.77	20.73	1.77
	114.8	10.86	0.98	11.26	0.98	11.65	0.98	11.84	0.98	12.40	0.98	12.76	0.98
CDXS15L + FTXS15L	68.0	25.82	2.05	26.98	2.09	28.14	2.13	28.72	2.15	30.46	2.21	31.62	2.25
	77.0	24.64	2.17	25.81	2.21	26.97	2.25	27.55	2.27	29.29	2.33	30.45	2.37
	86.0	23.47	2.31	24.63	2.35	25.79	2.39	26.37	2.41	28.11	2.47	29.28	2.51
	89.6	23.00	2.36	24.16	2.40	25.32	2.44	25.90	2.46	27.65	2.53	28.81	2.57
	95.0	22.30	2.45	23.46	2.49	24.62	2.53	25.20	2.55	26.94	2.61	28.10	2.65
	104.0	20.99	2.56	22.01	2.56	23.00	2.56	23.49	2.56	24.91	2.56	25.84	2.56
	109.4	16.76	1.77	17.46	1.77	18.14	1.77	18.48	1.77	19.46	1.77	20.10	1.77
	114.8	10.59	0.98	10.97	0.98	11.35	0.98	11.53	0.98	12.07	0.98	12.43	0.98
CDXS15L + CDXS15L	68.0	25.20	2.14	26.34	2.19	27.47	2.23	28.04	2.25	29.74	2.31	30.87	2.36
	77.0	24.06	2.27	25.19	2.32	26.32	2.36	26.89	2.38	28.59	2.44	29.72	2.49
	86.0	22.91	2.41	24.05	2.46	25.18	2.50	25.75	2.52	27.45	2.58	28.58	2.63
	89.6	22.45	2.47	23.59	2.52	24.72	2.56	25.29	2.58	26.99	2.64	28.12	2.69
	95.0	21.77	2.57	22.90	2.61	24.03	2.65	24.60	2.67	26.30	2.74	27.43	2.78
	104.0	20.23	2.56	21.20	2.56	22.15	2.56	22.62	2.56	23.98	2.56	24.87	2.56
	109.4	16.32	1.77	16.98	1.77	17.64	1.77	17.96	1.77	18.90	1.77	19.51	1.77
	114.8	10.39	0.98	10.75	0.98	11.11	0.98	11.29	0.98	11.81	0.98	12.15	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FTXS15L + FTXS18L	68.0	27.56	2.15	28.80	2.19	30.04	2.24	30.66	2.26	32.52	2.32	33.76	2.37
	77.0	26.31	2.28	27.55	2.32	28.79	2.37	29.41	2.39	31.26	2.45	32.50	2.50
	86.0	25.05	2.42	26.29	2.47	27.53	2.51	28.15	2.53	30.01	2.59	31.25	2.64
	89.6	24.55	2.48	25.79	2.53	27.03	2.57	27.65	2.59	29.51	2.65	30.75	2.70
	95.0	23.80	2.58	25.04	2.62	26.28	2.66	26.90	2.68	28.76	2.75	30.00	2.79
	104.0	22.01	2.56	23.05	2.56	24.07	2.56	24.56	2.56	26.03	2.56	26.97	2.56
	109.4	17.47	1.77	18.18	1.77	18.88	1.77	19.22	1.77	20.23	1.77	20.88	1.77
	114.8	10.98	0.98	11.38	0.98	11.76	0.98	11.95	0.98	12.51	0.98	12.87	0.98
FTXS15L + CDXS18L	68.0	26.23	2.14	27.41	2.19	28.59	2.23	29.18	2.25	30.95	2.31	32.12	2.36
	77.0	25.04	2.27	26.21	2.32	27.39	2.36	27.98	2.38	29.75	2.44	30.93	2.49
	86.0	23.84	2.41	25.02	2.46	26.20	2.50	26.79	2.52	28.56	2.58	29.74	2.63
	89.6	23.37	2.47	24.55	2.52	25.73	2.56	26.32	2.58	28.08	2.64	29.26	2.69
	95.0	22.65	2.57	23.83	2.61	25.01	2.65	25.60	2.67	27.37	2.74	28.55	2.78
	104.0	21.01	2.56	22.02	2.56	23.00	2.56	23.48	2.56	24.89	2.56	25.80	2.56
	109.4	16.82	1.77	17.51	1.77	18.18	1.77	18.52	1.77	19.49	1.77	20.12	1.77
	114.8	10.65	0.98	11.03	0.98	11.40	0.98	11.58	0.98	12.12	0.98	12.46	0.98
CDXS15L + FTXS18L	68.0	26.23	2.10	27.41	2.14	28.59	2.18	29.18	2.20	30.95	2.26	32.12	2.30
	77.0	25.04	2.22	26.21	2.26	27.39	2.31	27.98	2.33	29.75	2.39	30.93	2.43
	86.0	23.84	2.36	25.02	2.40	26.20	2.44	26.79	2.46	28.56	2.53	29.74	2.57
	89.6	23.37	2.42	24.55	2.46	25.73	2.50	26.32	2.52	28.08	2.58	29.26	2.63
	95.0	22.65	2.51	23.83	2.55	25.01	2.59	25.60	2.61	27.37	2.68	28.55	2.72
	104.0	21.16	2.56	22.17	2.56	23.16	2.56	23.65	2.56	25.08	2.56	26.00	2.56
	109.4	16.89	1.77	17.59	1.77	18.27	1.77	18.60	1.77	19.59	1.77	20.23	1.77
	114.8	10.67	0.98	11.05	0.98	11.43	0.98	11.61	0.98	12.16	0.98	12.51	0.98
CDXS15L + CDXS18L	68.0	25.61	2.18	26.76	2.23	27.92	2.27	28.49	2.29	30.22	2.36	31.37	2.40
	77.0	24.45	2.32	25.60	2.36	26.75	2.40	27.33	2.42	29.06	2.49	30.21	2.53
	86.0	23.28	2.46	24.44	2.50	25.59	2.55	26.16	2.57	27.89	2.63	29.04	2.68
	89.6	22.82	2.52	23.97	2.56	25.12	2.61	25.70	2.63	27.43	2.69	28.58	2.74
	95.0	22.12	2.61	23.27	2.66	24.42	2.70	25.00	2.72	26.73	2.79	27.88	2.83
	104.0	20.45	2.56	21.42	2.56	22.38	2.56	22.84	2.56	24.21	2.56	25.10	2.56
	109.4	16.48	1.77	17.15	1.77	17.80	1.77	18.12	1.77	19.07	1.77	19.68	1.77
	114.8	10.48	0.98	10.85	0.98	11.21	0.98	11.39	0.98	11.91	0.98	12.25	0.98
FTXS18L + FTXS18L	68.0	28.28	2.30	29.55	2.34	30.82	2.39	31.46	2.41	33.36	2.48	34.63	2.53
	77.0	26.99	2.43	28.26	2.48	29.53	2.53	30.17	2.55	32.08	2.62	33.35	2.66
	86.0	25.71	2.59	26.98	2.63	28.25	2.68	28.89	2.70	30.79	2.77	32.06	2.81
	89.6	25.19	2.65	26.46	2.70	27.74	2.74	28.37	2.76	30.28	2.83	31.55	2.88
	95.0	24.42	2.75	25.69	2.79	26.96	2.84	27.60	2.86	29.51	2.93	30.78	2.98
	104.0	22.16	2.56	23.19	2.56	24.19	2.56	24.68	2.56	26.12	2.56	27.05	2.56
	109.4	17.64	1.77	18.34	1.77	19.03	1.77	19.37	1.77	20.36	1.77	21.00	1.77
	114.8	11.11	0.98	11.50	0.98	11.88	0.98	12.07	0.98	12.61	0.98	12.97	0.98
CDXS18L + FTXS18L	68.0	27.05	2.29	28.26	2.33	29.48	2.38	30.09	2.40	31.91	2.47	33.13	2.52
	77.0	25.82	2.43	27.03	2.47	28.25	2.52	28.86	2.54	30.68	2.61	31.90	2.65
	86.0	24.59	2.58	25.80	2.62	27.02	2.67	27.63	2.69	29.45	2.76	30.67	2.80
	89.6	24.10	2.64	25.31	2.69	26.53	2.73	27.14	2.75	28.96	2.82	30.18	2.87
	95.0	23.36	2.74	24.58	2.78	25.79	2.83	26.40	2.85	28.22	2.92	29.44	2.97
	104.0	21.30	2.56	22.29	2.56	23.26	2.56	23.73	2.56	25.13	2.56	26.03	2.56
	109.4	17.08	1.77	17.76	1.77	18.42	1.77	18.75	1.77	19.71	1.77	20.34	1.77
	114.8	10.82	0.98	11.19	0.98	11.56	0.98	11.74	0.98	12.27	0.98	12.62	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CDXS18L + CDXS18L	68.0	26.43	2.38	27.62	2.42	28.81	2.47	29.40	2.50	31.19	2.57	32.38	2.61
	77.0	25.23	2.52	26.42	2.57	27.61	2.61	28.20	2.64	29.99	2.71	31.17	2.76
	86.0	24.03	2.68	25.22	2.72	26.41	2.77	27.00	2.79	28.78	2.87	29.97	2.91
	89.6	23.55	2.74	24.74	2.79	25.93	2.84	26.52	2.86	28.30	2.93	29.49	2.98
	95.0	22.83	2.84	24.02	2.89	25.21	2.94	25.80	2.96	27.58	3.03	28.77	3.08
	104.0	20.74	2.56	21.69	2.56	22.63	2.56	23.09	2.56	24.44	2.56	25.31	2.56
	109.4	16.76	1.77	17.42	1.77	18.06	1.77	18.38	1.77	19.30	1.77	19.91	1.77
	114.8	10.68	0.98	11.04	0.98	11.40	0.98	11.57	0.98	12.09	0.98	12.42	0.98
CTXS07L + CTXS07L + CTXS07L	68.0	23.87	1.45	24.94	1.48	26.02	1.51	26.55	1.53	28.16	1.57	29.24	1.60
	77.0	22.79	1.54	23.86	1.57	24.93	1.60	25.47	1.61	27.08	1.66	28.15	1.69
	86.0	21.70	1.64	22.77	1.67	23.85	1.69	24.38	1.71	26.00	1.75	27.07	1.78
	89.6	21.27	1.68	22.34	1.71	23.41	1.73	23.95	1.75	25.56	1.79	26.63	1.82
	95.0	20.62	1.74	21.69	1.77	22.76	1.80	23.30	1.81	24.91	1.86	25.98	1.88
	104.0	19.53	1.85	20.60	1.88	21.68	1.91	22.22	1.92	23.83	1.97	24.90	2.00
	109.4	17.96	1.77	18.78	1.77	19.58	1.77	19.98	1.77	21.12	1.77	21.87	1.77
	114.8	11.04	0.98	11.49	0.98	11.93	0.98	12.15	0.98	12.78	0.98	13.19	0.98
CTXS07L + CTXS07L + CTXS09H	68.0	24.18	1.49	25.27	1.52	26.35	1.55	26.90	1.57	28.53	1.61	29.61	1.64
	77.0	23.08	1.58	24.17	1.61	25.25	1.64	25.80	1.66	27.43	1.70	28.52	1.73
	86.0	21.98	1.68	23.07	1.71	24.16	1.74	24.70	1.76	26.33	1.80	27.42	1.83
	89.6	21.54	1.72	22.63	1.75	23.72	1.78	24.26	1.80	25.89	1.84	26.98	1.87
	95.0	20.88	1.79	21.97	1.82	23.06	1.85	23.60	1.86	25.23	1.91	26.32	1.94
	104.0	19.78	1.90	20.87	1.93	21.96	1.96	22.50	1.98	24.13	2.02	25.22	2.05
	109.4	17.90	1.77	18.72	1.77	19.51	1.77	19.90	1.77	21.04	1.77	21.78	1.77
	114.8	11.02	0.98	11.47	0.98	11.90	0.98	12.12	0.98	12.75	0.98	13.15	0.98
CTXS07L + CTXS07L + FDXS09L	68.0	23.56	1.56	24.62	1.59	25.68	1.62	26.21	1.64	27.80	1.68	28.86	1.71
	77.0	22.49	1.65	23.55	1.68	24.61	1.71	25.14	1.73	26.73	1.78	27.79	1.81
	86.0	21.42	1.75	22.48	1.78	23.54	1.82	24.07	1.83	25.66	1.88	26.72	1.91
	89.6	20.99	1.80	22.05	1.83	23.11	1.86	23.64	1.87	25.23	1.92	26.29	1.95
	95.0	20.35	1.86	21.41	1.90	22.47	1.93	23.00	1.94	24.59	1.99	25.65	2.02
	104.0	19.28	1.98	20.34	2.01	21.40	2.05	21.93	2.06	23.52	2.11	24.58	2.14
	109.4	17.08	1.77	17.86	1.77	18.61	1.77	18.98	1.77	20.06	1.77	20.76	1.77
	114.8	10.61	0.98	11.04	0.98	11.45	0.98	11.66	0.98	12.25	0.98	12.64	0.98
CTXS07L + CTXS07L + CTXS12H	68.0	25.00	1.58	26.12	1.61	27.25	1.64	27.81	1.66	29.49	1.71	30.62	1.74
	77.0	23.86	1.68	24.99	1.71	26.11	1.74	26.67	1.76	28.36	1.80	29.48	1.83
	86.0	22.73	1.78	23.85	1.81	24.97	1.84	25.54	1.86	27.22	1.91	28.35	1.94
	89.6	22.27	1.82	23.40	1.86	24.52	1.89	25.08	1.90	26.77	1.95	27.89	1.98
	95.0	21.59	1.89	22.71	1.92	23.84	1.96	24.40	1.97	26.09	2.02	27.21	2.05
	104.0	20.45	2.01	21.58	2.05	22.70	2.08	23.26	2.09	24.95	2.14	26.07	2.17
	109.4	17.92	1.77	18.72	1.77	19.50	1.77	19.89	1.77	21.01	1.77	21.74	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.16	0.98
CTXS07L + CTXS07L + FDXS12L	68.0	24.59	1.69	25.69	1.72	26.80	1.75	27.35	1.77	29.01	1.82	30.12	1.85
	77.0	23.47	1.79	24.58	1.82	25.68	1.86	26.24	1.87	27.89	1.92	29.00	1.96
	86.0	22.35	1.90	23.46	1.93	24.56	1.97	25.12	1.98	26.78	2.03	27.88	2.07
	89.6	21.91	1.95	23.01	1.98	24.12	2.01	24.67	2.03	26.33	2.08	27.43	2.11
	95.0	21.24	2.02	22.34	2.05	23.45	2.09	24.00	2.10	25.66	2.15	26.76	2.19
	104.0	20.12	2.15	21.22	2.18	22.33	2.21	22.88	2.23	24.54	2.28	25.65	2.32
	109.4	17.12	1.77	17.88	1.77	18.62	1.77	18.98	1.77	20.05	1.77	20.73	1.77
	114.8	10.67	0.98	11.09	0.98	11.49	0.98	11.69	0.98	12.28	0.98	12.66	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FTXS15L	68.0	26.12	1.63	27.30	1.66	28.47	1.70	29.06	1.71	30.82	1.76	32.00	1.79
	77.0	24.94	1.73	26.11	1.76	27.29	1.79	27.87	1.81	29.64	1.86	30.81	1.89
	86.0	23.75	1.84	24.93	1.87	26.10	1.90	26.69	1.92	28.45	1.97	29.62	2.00
	89.6	23.28	1.88	24.45	1.91	25.62	1.95	26.21	1.96	27.97	2.01	29.15	2.04
	95.0	22.56	1.95	23.74	1.98	24.91	2.02	25.50	2.03	27.26	2.08	28.44	2.11
	104.0	21.38	2.08	22.55	2.11	23.73	2.14	24.31	2.16	26.07	2.21	27.25	2.24
	109.4	18.38	1.77	19.20	1.77	20.00	1.77	20.39	1.77	21.53	1.77	22.28	1.77
CTXS07L + CTXS07L + CDXS15L	68.0	25.00	1.65	26.12	1.68	27.25	1.71	27.81	1.73	29.49	1.78	30.62	1.81
	77.0	23.86	1.75	24.99	1.78	26.11	1.81	26.67	1.83	28.36	1.88	29.48	1.91
	86.0	22.73	1.85	23.85	1.89	24.97	1.92	25.54	1.94	27.22	1.98	28.35	2.02
	89.6	22.27	1.90	23.40	1.93	24.52	1.96	25.08	1.98	26.77	2.03	27.89	2.06
	95.0	21.59	1.97	22.71	2.00	23.84	2.04	24.40	2.05	26.09	2.10	27.21	2.13
	104.0	20.45	2.10	21.58	2.13	22.70	2.16	23.26	2.18	24.95	2.23	26.07	2.26
	109.4	17.57	1.77	18.35	1.77	19.11	1.77	19.49	1.77	20.58	1.77	21.29	1.77
CTXS07L + CTXS07L + FTXS18L	68.0	26.84	1.72	28.05	1.75	29.26	1.79	29.86	1.80	31.67	1.86	32.88	1.89
	77.0	25.62	1.82	26.83	1.86	28.04	1.89	28.64	1.91	30.45	1.96	31.66	1.99
	86.0	24.40	1.93	25.61	1.97	26.82	2.00	27.42	2.02	29.23	2.07	30.44	2.11
	89.6	23.91	1.98	25.12	2.02	26.33	2.05	26.93	2.07	28.74	2.12	29.95	2.15
	95.0	23.18	2.06	24.39	2.09	25.60	2.13	26.20	2.14	28.01	2.19	29.22	2.23
	104.0	21.96	2.19	23.17	2.22	24.38	2.26	24.98	2.27	26.79	2.33	28.00	2.36
	109.4	18.38	1.77	19.18	1.77	19.97	1.77	20.35	1.77	21.48	1.77	22.22	1.77
CTXS07L + CTXS07L + CDXS18L	68.0	25.72	1.73	26.87	1.77	28.03	1.80	28.61	1.82	30.34	1.87	31.50	1.91
	77.0	24.55	1.84	25.70	1.87	26.86	1.91	27.44	1.93	29.17	1.98	30.33	2.01
	86.0	23.38	1.95	24.53	1.99	25.69	2.02	26.27	2.04	28.00	2.09	29.16	2.13
	89.6	22.91	2.00	24.07	2.04	25.22	2.07	25.80	2.09	27.54	2.14	28.69	2.17
	95.0	22.21	2.08	23.37	2.11	24.52	2.15	25.10	2.16	26.83	2.21	27.99	2.25
	104.0	21.04	2.21	22.20	2.24	23.35	2.28	23.93	2.29	25.67	2.35	26.82	2.38
	109.4	17.61	1.77	18.38	1.77	19.14	1.77	19.51	1.77	20.59	1.77	21.29	1.77
CTXS07L + CTXS09H + CTXS09H	68.0	24.59	1.53	25.69	1.56	26.80	1.59	27.35	1.61	29.01	1.66	30.12	1.69
	77.0	23.47	1.63	24.58	1.66	25.68	1.69	26.24	1.70	27.89	1.75	29.00	1.78
	86.0	22.35	1.73	23.46	1.76	24.56	1.79	25.12	1.80	26.78	1.85	27.88	1.88
	89.6	21.91	1.77	23.01	1.80	24.12	1.83	24.67	1.85	26.33	1.89	27.43	1.92
	95.0	21.24	1.84	22.34	1.87	23.45	1.90	24.00	1.91	25.66	1.96	26.76	1.99
	104.0	20.12	1.95	21.22	1.98	22.33	2.01	22.88	2.03	24.54	2.08	25.65	2.11
	109.4	17.93	1.77	18.74	1.77	19.53	1.77	19.92	1.77	21.05	1.77	21.79	1.77
CTXS07L + CTXS09H + FDXS09L	68.0	24.28	1.65	25.37	1.68	26.46	1.71	27.01	1.73	28.65	1.78	29.74	1.81
	77.0	23.18	1.75	24.27	1.78	25.36	1.81	25.91	1.83	27.54	1.88	28.64	1.91
	86.0	22.07	1.85	23.17	1.89	24.26	1.92	24.80	1.94	26.44	1.98	27.53	2.02
	89.6	21.63	1.90	22.72	1.93	23.82	1.96	24.36	1.98	26.00	2.03	27.09	2.06
	95.0	20.97	1.97	22.06	2.00	23.15	2.04	23.70	2.05	25.34	2.10	26.43	2.13
	104.0	19.87	2.10	20.96	2.13	22.05	2.16	22.60	2.18	24.23	2.23	25.33	2.26
	109.4	17.11	1.77	17.87	1.77	18.61	1.77	18.98	1.77	20.05	1.77	20.74	1.77
114.8	10.65	0.98	11.07	0.98	11.48	0.98	11.68	0.98	12.27	0.98	12.65	0.98	



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS09L	68.0	23.97	1.75	25.05	1.79	26.13	1.82	26.67	1.84	28.29	1.89	29.36	1.92
	77.0	22.88	1.86	23.96	1.89	25.04	1.93	25.58	1.94	27.20	2.00	28.27	2.03
	86.0	21.79	1.97	22.87	2.01	23.95	2.04	24.49	2.06	26.11	2.11	27.18	2.15
	89.6	21.36	2.02	22.44	2.05	23.51	2.09	24.05	2.11	25.67	2.16	26.75	2.19
	95.0	20.70	2.10	21.78	2.13	22.86	2.16	23.40	2.18	25.02	2.23	26.10	2.27
	104.0	19.62	2.23	20.69	2.26	21.77	2.30	22.31	2.32	23.93	2.37	25.01	2.40
	109.4	16.49	1.77	17.21	1.77	17.92	1.77	18.27	1.77	19.28	1.77	19.94	1.77
	114.8	10.36	0.98	10.76	0.98	11.15	0.98	11.34	0.98	11.90	0.98	12.27	0.98
CTXS07L + CTXS09H + CTXS12H	68.0	25.31	1.62	26.44	1.65	27.58	1.69	28.15	1.70	29.86	1.75	31.00	1.78
	77.0	24.16	1.72	25.29	1.75	26.43	1.78	27.00	1.80	28.71	1.85	29.85	1.88
	86.0	23.01	1.83	24.14	1.86	25.28	1.89	25.85	1.91	27.56	1.96	28.70	1.99
	89.6	22.55	1.87	23.68	1.90	24.82	1.94	25.39	1.95	27.10	2.00	28.23	2.03
	95.0	21.86	1.94	22.99	1.97	24.13	2.01	24.70	2.02	26.41	2.07	27.54	2.10
	104.0	20.70	2.07	21.84	2.10	22.98	2.13	23.55	2.15	25.26	2.19	26.39	2.23
	109.4	17.89	1.77	18.69	1.77	19.47	1.77	19.85	1.77	20.97	1.77	21.69	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.13	0.98	12.75	0.98	13.14	0.98
CTXS07L + CTXS09H + FDXS12L	68.0	24.90	1.73	26.02	1.76	27.13	1.80	27.69	1.81	29.37	1.86	30.49	1.90
	77.0	23.76	1.83	24.88	1.86	26.00	1.90	26.56	1.92	28.24	1.97	29.36	2.00
	86.0	22.63	1.94	23.75	1.98	24.87	2.01	25.43	2.03	27.11	2.08	28.23	2.12
	89.6	22.18	1.99	23.30	2.03	24.42	2.06	24.98	2.08	26.66	2.13	27.78	2.16
	95.0	21.50	2.07	22.62	2.10	23.74	2.14	24.30	2.15	25.98	2.20	27.10	2.24
	104.0	20.37	2.20	21.49	2.23	22.61	2.27	23.17	2.28	24.85	2.34	25.97	2.37
	109.4	17.14	1.77	17.90	1.77	18.63	1.77	18.99	1.77	20.05	1.77	20.74	1.77
	114.8	10.69	0.98	11.11	0.98	11.51	0.98	11.71	0.98	12.30	0.98	12.67	0.98
CTXS07L + FDXS09L + CTXS12H	68.0	24.90	1.73	26.02	1.76	27.13	1.80	27.69	1.81	29.37	1.86	30.49	1.90
	77.0	23.76	1.83	24.88	1.86	26.00	1.90	26.56	1.92	28.24	1.97	29.36	2.00
	86.0	22.63	1.94	23.75	1.98	24.87	2.01	25.43	2.03	27.11	2.08	28.23	2.12
	89.6	22.18	1.99	23.30	2.03	24.42	2.06	24.98	2.08	26.66	2.13	27.78	2.16
	95.0	21.50	2.07	22.62	2.10	23.74	2.14	24.30	2.15	25.98	2.20	27.10	2.24
	104.0	20.37	2.20	21.49	2.23	22.61	2.27	23.17	2.28	24.85	2.34	25.97	2.37
	109.4	17.14	1.77	17.90	1.77	18.63	1.77	18.99	1.77	20.05	1.77	20.74	1.77
	114.8	10.69	0.98	11.11	0.98	11.51	0.98	11.71	0.98	12.30	0.98	12.67	0.98
CTXS07L + FDXS09L + FDXS12L	68.0	24.59	1.83	25.69	1.87	26.80	1.90	27.35	1.92	29.01	1.98	30.12	2.01
	77.0	23.47	1.94	24.58	1.98	25.68	2.01	26.24	2.03	27.89	2.09	29.00	2.12
	86.0	22.35	2.06	23.46	2.10	24.56	2.13	25.12	2.15	26.78	2.21	27.88	2.24
	89.6	21.91	2.11	23.01	2.15	24.12	2.18	24.67	2.20	26.33	2.26	27.43	2.29
	95.0	21.24	2.19	22.34	2.23	23.45	2.26	24.00	2.28	25.66	2.34	26.76	2.37
	104.0	20.12	2.33	21.22	2.37	22.33	2.40	22.88	2.42	24.54	2.48	25.65	2.51
	109.4	16.59	1.77	17.31	1.77	18.01	1.77	18.36	1.77	19.37	1.77	20.02	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.41	0.98	11.97	0.98	12.33	0.98
CTXS07L + CTXS09H + FTXS15L	68.0	26.43	1.68	27.62	1.71	28.81	1.75	29.40	1.76	31.19	1.81	32.38	1.85
	77.0	25.23	1.78	26.42	1.81	27.61	1.85	28.20	1.86	29.99	1.91	31.17	1.95
	86.0	24.03	1.89	25.22	1.92	26.41	1.96	27.00	1.97	28.78	2.02	29.97	2.06
	89.6	23.55	1.94	24.74	1.97	25.93	2.00	26.52	2.02	28.30	2.07	29.49	2.10
	95.0	22.83	2.01	24.02	2.04	25.21	2.08	25.80	2.09	27.58	2.14	28.77	2.18
	104.0	21.63	2.14	22.82	2.17	24.00	2.20	24.60	2.22	26.38	2.27	27.57	2.30
	109.4	18.32	1.77	19.13	1.77	19.92	1.77	20.31	1.77	21.44	1.77	22.17	1.77
	114.8	11.29	0.98	11.73	0.98	12.17	0.98	12.38	0.98	13.01	0.98	13.41	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CDXS15L	68.0	25.41	1.69	26.55	1.72	27.69	1.75	28.26	1.77	29.98	1.82	31.12	1.85
	77.0	24.25	1.79	25.40	1.82	26.54	1.86	27.11	1.87	28.82	1.92	29.97	1.96
	86.0	23.10	1.90	24.24	1.93	25.38	1.97	25.95	1.98	27.67	2.03	28.81	2.07
	89.6	22.64	1.95	23.78	1.98	24.92	2.01	25.49	2.03	27.21	2.08	28.35	2.11
	95.0	21.94	2.02	23.09	2.05	24.23	2.09	24.80	2.10	26.51	2.15	27.66	2.19
	104.0	20.79	2.15	21.93	2.18	23.07	2.21	23.65	2.23	25.36	2.28	26.50	2.32
	109.4	17.64	1.77	18.42	1.77	19.18	1.77	19.55	1.77	20.64	1.77	21.35	1.77
	114.8	10.94	0.98	11.36	0.98	11.78	0.98	11.99	0.98	12.59	0.98	12.98	0.98
CTXS07L + FDXS09L + FTXS15L	68.0	26.02	1.74	27.19	1.78	28.36	1.81	28.95	1.83	30.70	1.88	31.87	1.92
	77.0	24.84	1.85	26.01	1.88	27.18	1.92	27.77	1.93	29.52	1.99	30.69	2.02
	86.0	23.66	1.96	24.83	2.00	26.00	2.03	26.58	2.05	28.34	2.10	29.51	2.14
	89.6	23.18	2.01	24.35	2.04	25.52	2.08	26.11	2.10	27.86	2.15	29.04	2.18
	95.0	22.47	2.09	23.64	2.12	24.81	2.15	25.40	2.17	27.16	2.22	28.33	2.26
	104.0	21.29	2.22	22.46	2.25	23.63	2.29	24.22	2.31	25.97	2.36	27.14	2.39
	109.4	17.76	1.77	18.54	1.77	19.30	1.77	19.67	1.77	20.76	1.77	21.47	1.77
	114.8	11.02	0.98	11.45	0.98	11.86	0.98	12.07	0.98	12.67	0.98	13.06	0.98
CTXS07L + FDXS09L + CDXS15L	68.0	25.00	1.80	26.12	1.83	27.25	1.87	27.81	1.89	29.49	1.94	30.62	1.98
	77.0	23.86	1.91	24.99	1.94	26.11	1.98	26.67	2.00	28.36	2.05	29.48	2.09
	86.0	22.73	2.02	23.85	2.06	24.97	2.10	25.54	2.11	27.22	2.17	28.35	2.20
	89.6	22.27	2.07	23.40	2.11	24.52	2.15	25.08	2.16	26.77	2.22	27.89	2.25
	95.0	21.59	2.15	22.71	2.19	23.84	2.22	24.40	2.24	26.09	2.30	27.21	2.33
	104.0	20.45	2.29	21.58	2.33	22.70	2.36	23.26	2.38	24.95	2.43	26.07	2.47
	109.4	16.93	1.77	17.67	1.77	18.39	1.77	18.74	1.77	19.78	1.77	20.45	1.77
	114.8	10.61	0.98	11.01	0.98	11.41	0.98	11.60	0.98	12.17	0.98	12.54	0.98
CTXS07L + CTXS09H + FTXS18L	68.0	27.15	1.77	28.37	1.80	29.59	1.84	30.20	1.85	32.03	1.91	33.25	1.94
	77.0	25.92	1.87	27.14	1.91	28.36	1.94	28.97	1.96	30.80	2.01	32.02	2.05
	86.0	24.68	1.99	25.90	2.02	27.12	2.06	27.73	2.08	29.57	2.13	30.79	2.16
	89.6	24.19	2.04	25.41	2.07	26.63	2.11	27.24	2.13	29.07	2.18	30.29	2.21
	95.0	23.45	2.11	24.67	2.15	25.89	2.18	26.50	2.20	28.33	2.26	29.55	2.29
	104.0	22.21	2.25	23.43	2.28	24.66	2.32	25.27	2.34	27.10	2.39	28.32	2.43
	109.4	18.34	1.77	19.14	1.77	19.92	1.77	20.30	1.77	21.42	1.77	22.14	1.77
	114.8	11.32	0.98	11.76	0.98	12.19	0.98	12.40	0.98	13.02	0.98	13.42	0.98
CTXS07L + CTXS09H + CDXS18L	68.0	25.92	1.77	27.09	1.81	28.25	1.85	28.83	1.86	30.58	1.92	31.75	1.95
	77.0	24.74	1.88	25.91	1.92	27.07	1.95	27.66	1.97	29.40	2.02	30.57	2.06
	86.0	23.56	2.00	24.73	2.03	25.90	2.07	26.48	2.09	28.23	2.14	29.39	2.17
	89.6	23.09	2.05	24.26	2.08	25.42	2.12	26.01	2.14	27.76	2.19	28.92	2.22
	95.0	22.39	2.12	23.55	2.16	24.72	2.19	25.30	2.21	27.05	2.27	28.21	2.30
	104.0	21.21	2.26	22.37	2.30	23.54	2.33	24.12	2.35	25.87	2.40	27.04	2.44
	109.4	17.57	1.77	18.34	1.77	19.08	1.77	19.45	1.77	20.52	1.77	21.22	1.77
	114.8	10.93	0.98	11.35	0.98	11.76	0.98	11.96	0.98	12.55	0.98	12.94	0.98
CTXS07L + FDXS09L + FTXS18L	68.0	26.74	1.83	27.94	1.87	29.14	1.90	29.75	1.92	31.55	1.98	32.75	2.01
	77.0	25.52	1.94	26.73	1.98	27.93	2.01	28.53	2.03	30.33	2.09	31.54	2.12
	86.0	24.31	2.06	25.51	2.10	26.71	2.13	27.32	2.15	29.12	2.21	30.32	2.24
	89.6	23.82	2.11	25.03	2.15	26.23	2.18	26.83	2.20	28.63	2.26	29.84	2.29
	95.0	23.09	2.19	24.30	2.23	25.50	2.26	26.10	2.28	27.90	2.34	29.11	2.37
	104.0	21.88	2.33	23.08	2.37	24.28	2.40	24.88	2.42	26.69	2.48	27.89	2.51
	109.4	17.84	1.77	18.61	1.77	19.36	1.77	19.73	1.77	20.81	1.77	21.51	1.77
	114.8	11.08	0.98	11.51	0.98	11.92	0.98	12.12	0.98	12.72	0.98	13.11	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + CDXS18L	68.0	25.51	1.84	26.66	1.88	27.80	1.91	28.38	1.93	30.10	1.99	31.25	2.02
	77.0	24.35	1.95	25.50	1.99	26.65	2.02	27.22	2.04	28.94	2.10	30.09	2.13
	86.0	23.19	2.07	24.34	2.11	25.49	2.14	26.06	2.16	27.78	2.22	28.93	2.25
	89.6	22.73	2.12	23.87	2.16	25.02	2.19	25.60	2.21	27.32	2.27	28.46	2.30
	95.0	22.03	2.20	23.18	2.24	24.33	2.27	24.90	2.29	26.62	2.35	27.77	2.38
	104.0	20.87	2.34	22.02	2.38	23.17	2.41	23.74	2.43	25.46	2.49	26.61	2.52
	109.4	17.10	1.77	17.84	1.77	18.56	1.77	18.91	1.77	19.95	1.77	20.62	1.77
	114.8	10.70	0.98	11.11	0.98	11.51	0.98	11.70	0.98	12.27	0.98	12.64	0.98
CTXS07L + CTXS12H + CTXS12H	68.0	26.12	1.75	27.30	1.79	28.47	1.82	29.06	1.84	30.82	1.89	32.00	1.92
	77.0	24.94	1.86	26.11	1.89	27.29	1.93	27.87	1.94	29.64	2.00	30.81	2.03
	86.0	23.75	1.97	24.93	2.01	26.10	2.04	26.69	2.06	28.45	2.11	29.62	2.15
	89.6	23.28	2.02	24.45	2.05	25.62	2.09	26.21	2.11	27.97	2.16	29.15	2.19
	95.0	22.56	2.10	23.74	2.13	24.91	2.16	25.50	2.18	27.26	2.23	28.44	2.27
	104.0	21.38	2.23	22.55	2.26	23.73	2.30	24.31	2.32	26.07	2.37	27.25	2.40
	109.4	17.79	1.77	18.57	1.77	19.33	1.77	19.70	1.77	20.79	1.77	21.50	1.77
	114.8	11.03	0.98	11.46	0.98	11.88	0.98	12.09	0.98	12.69	0.98	13.08	0.98
CTXS07L + CTXS12H + FDXS12L	68.0	25.61	1.81	26.76	1.85	27.92	1.89	28.49	1.91	30.22	1.96	31.37	2.00
	77.0	24.45	1.92	25.60	1.96	26.75	2.00	27.33	2.01	29.06	2.07	30.21	2.10
	86.0	23.28	2.04	24.44	2.08	25.59	2.12	26.16	2.13	27.89	2.19	29.04	2.22
	89.6	22.82	2.09	23.97	2.13	25.12	2.17	25.70	2.18	27.43	2.24	28.58	2.27
	95.0	22.12	2.17	23.27	2.21	24.42	2.24	25.00	2.26	26.73	2.32	27.88	2.35
	104.0	20.96	2.31	22.11	2.35	23.26	2.38	23.84	2.40	25.56	2.46	26.72	2.49
	109.4	17.24	1.77	17.99	1.77	18.72	1.77	19.07	1.77	20.12	1.77	20.80	1.77
	114.8	10.77	0.98	11.18	0.98	11.58	0.98	11.78	0.98	12.36	0.98	12.73	0.98
CTXS07L + FDXS12L + FDXS12L	68.0	25.10	1.93	26.23	1.97	27.36	2.00	27.92	2.02	29.62	2.08	30.74	2.12
	77.0	23.96	2.04	25.09	2.08	26.22	2.12	26.78	2.14	28.47	2.20	29.60	2.24
	86.0	22.82	2.17	23.95	2.21	25.08	2.25	25.64	2.27	27.33	2.32	28.46	2.36
	89.6	22.36	2.22	23.49	2.26	24.62	2.30	25.18	2.32	26.88	2.38	28.01	2.42
	95.0	21.68	2.31	22.81	2.34	23.94	2.38	24.50	2.40	26.19	2.46	27.32	2.50
	104.0	20.54	2.45	21.67	2.49	22.79	2.53	23.36	2.55	24.85	2.56	25.78	2.56
	109.4	16.62	1.77	17.33	1.77	18.02	1.77	18.36	1.77	19.36	1.77	20.00	1.77
	114.8	10.48	0.98	10.87	0.98	11.25	0.98	11.44	0.98	11.99	0.98	12.35	0.98
CTXS07L + CTXS12H + FTXS15L	68.0	27.15	1.77	28.37	1.80	29.59	1.84	30.20	1.85	32.03	1.91	33.25	1.94
	77.0	25.92	1.87	27.14	1.91	28.36	1.94	28.97	1.96	30.80	2.01	32.02	2.05
	86.0	24.68	1.99	25.90	2.02	27.12	2.06	27.73	2.08	29.57	2.13	30.79	2.16
	89.6	24.19	2.04	25.41	2.07	26.63	2.11	27.24	2.13	29.07	2.18	30.29	2.21
	95.0	23.45	2.11	24.67	2.15	25.89	2.18	26.50	2.20	28.33	2.26	29.55	2.29
	104.0	22.21	2.25	23.43	2.28	24.66	2.32	25.27	2.34	27.10	2.39	28.32	2.43
	109.4	18.34	1.77	19.14	1.77	19.92	1.77	20.30	1.77	21.42	1.77	22.14	1.77
	114.8	11.32	0.98	11.76	0.98	12.19	0.98	12.40	0.98	13.02	0.98	13.42	0.98
CTXS07L + CTXS12H + CDXS15L	68.0	25.92	1.77	27.09	1.81	28.25	1.85	28.83	1.86	30.58	1.92	31.75	1.95
	77.0	24.74	1.88	25.91	1.92	27.07	1.95	27.66	1.97	29.40	2.02	30.57	2.06
	86.0	23.56	2.00	24.73	2.03	25.90	2.07	26.48	2.09	28.23	2.14	29.39	2.17
	89.6	23.09	2.05	24.26	2.08	25.42	2.12	26.01	2.14	27.76	2.19	28.92	2.22
	95.0	22.39	2.12	23.55	2.16	24.72	2.19	25.30	2.21	27.05	2.27	28.21	2.30
	104.0	21.21	2.26	22.37	2.30	23.54	2.33	24.12	2.35	25.87	2.40	27.04	2.44
	109.4	17.57	1.77	18.34	1.77	19.08	1.77	19.45	1.77	20.52	1.77	21.22	1.77
	114.8	10.93	0.98	11.35	0.98	11.76	0.98	11.96	0.98	12.55	0.98	12.94	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FTXS15L	68.0	26.74	1.88	27.94	1.92	29.14	1.95	29.75	1.97	31.55	2.03	32.75	2.07
	77.0	25.52	1.99	26.73	2.03	27.93	2.07	28.53	2.09	30.33	2.14	31.54	2.18
	86.0	24.31	2.12	25.51	2.15	26.71	2.19	27.32	2.21	29.12	2.27	30.32	2.30
	89.6	23.82	2.17	25.03	2.21	26.23	2.24	26.83	2.26	28.63	2.32	29.84	2.35
	95.0	23.09	2.25	24.30	2.29	25.50	2.32	26.10	2.34	27.90	2.40	29.11	2.44
	104.0	21.88	2.39	23.08	2.43	24.28	2.47	24.88	2.49	26.69	2.54	27.78	2.56
	109.4	17.67	1.77	18.43	1.77	19.17	1.77	19.53	1.77	20.59	1.77	21.28	1.77
	114.8	11.01	0.98	11.43	0.98	11.83	0.98	12.03	0.98	12.62	0.98	13.00	0.98
CTXS07L + FDXS12L + CDXS15L	68.0	25.51	1.84	26.66	1.88	27.80	1.91	28.38	1.93	30.10	1.99	31.25	2.02
	77.0	24.35	1.95	25.50	1.99	26.65	2.02	27.22	2.04	28.94	2.10	30.09	2.13
	86.0	23.19	2.07	24.34	2.11	25.49	2.14	26.06	2.16	27.78	2.22	28.93	2.25
	89.6	22.73	2.12	23.87	2.16	25.02	2.19	25.60	2.21	27.32	2.27	28.46	2.30
	95.0	22.03	2.20	23.18	2.24	24.33	2.27	24.90	2.29	26.62	2.35	27.77	2.38
	104.0	20.87	2.34	22.02	2.38	23.17	2.41	23.74	2.43	25.46	2.49	26.61	2.52
	109.4	17.10	1.77	17.84	1.77	18.56	1.77	18.91	1.77	19.95	1.77	20.62	1.77
	114.8	10.70	0.98	11.11	0.98	11.51	0.98	11.70	0.98	12.27	0.98	12.64	0.98
CTXS07L + CTXS12H + FTXS18L	68.0	27.97	1.90	29.23	1.94	30.48	1.98	31.11	2.00	33.00	2.05	34.26	2.09
	77.0	26.70	2.02	27.96	2.06	29.21	2.09	29.84	2.11	31.73	2.17	32.99	2.21
	86.0	25.43	2.14	26.68	2.18	27.94	2.22	28.57	2.24	30.46	2.29	31.72	2.33
	89.6	24.92	2.20	26.18	2.23	27.43	2.27	28.06	2.29	29.95	2.35	31.21	2.38
	95.0	24.16	2.28	25.41	2.32	26.67	2.35	27.30	2.37	29.19	2.43	30.44	2.47
	104.0	22.88	2.42	24.14	2.46	25.40	2.50	26.03	2.52	27.83	2.56	28.86	2.56
	109.4	18.28	1.77	19.06	1.77	19.82	1.77	20.19	1.77	21.29	1.77	22.00	1.77
	114.8	11.33	0.98	11.76	0.98	12.18	0.98	12.39	0.98	12.99	0.98	13.38	0.98
CTXS07L + CTXS12H + CDXS18L	68.0	27.46	2.00	28.69	2.04	29.93	2.08	30.54	2.10	32.40	2.16	33.63	2.20
	77.0	26.21	2.12	27.44	2.16	28.68	2.20	29.30	2.22	31.15	2.28	32.38	2.32
	86.0	24.96	2.25	26.20	2.29	27.43	2.33	28.05	2.35	29.90	2.41	31.13	2.45
	89.6	24.46	2.31	25.70	2.35	26.93	2.39	27.55	2.41	29.40	2.47	30.64	2.51
	95.0	23.71	2.39	24.95	2.43	26.18	2.47	26.80	2.49	28.65	2.55	29.89	2.59
	104.0	22.47	2.55	23.60	2.56	24.66	2.56	25.17	2.56	26.69	2.56	27.68	2.56
	109.4	17.72	1.77	18.46	1.77	19.19	1.77	19.55	1.77	20.59	1.77	21.27	1.77
	114.8	11.07	0.98	11.48	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.03	0.98
CTXS07L + FDXS12L + FTXS18L	68.0	27.46	1.97	28.69	2.01	29.93	2.05	30.54	2.07	32.40	2.12	33.63	2.16
	77.0	26.21	2.09	27.44	2.12	28.68	2.16	29.30	2.18	31.15	2.24	32.38	2.28
	86.0	24.96	2.21	26.20	2.25	27.43	2.29	28.05	2.31	29.90	2.37	31.13	2.41
	89.6	24.46	2.27	25.70	2.31	26.93	2.35	27.55	2.37	29.40	2.43	30.64	2.47
	95.0	23.71	2.35	24.95	2.39	26.18	2.43	26.80	2.45	28.65	2.51	29.89	2.55
	104.0	22.47	2.51	23.70	2.54	24.83	2.56	25.36	2.56	26.89	2.56	27.88	2.56
	109.4	17.80	1.77	18.56	1.77	19.29	1.77	19.65	1.77	20.71	1.77	21.39	1.77
	114.8	11.10	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.08	0.98
CTXS07L + FDXS12L + CDXS18L	68.0	26.64	2.02	27.84	2.06	29.03	2.10	29.63	2.12	31.43	2.18	32.63	2.22
	77.0	25.43	2.14	26.62	2.18	27.82	2.22	28.42	2.24	30.22	2.30	31.42	2.34
	86.0	24.22	2.27	25.41	2.31	26.61	2.35	27.21	2.37	29.01	2.43	30.21	2.47
	89.6	23.73	2.33	24.93	2.37	26.13	2.41	26.73	2.43	28.52	2.49	29.72	2.53
	95.0	23.01	2.41	24.20	2.45	25.40	2.49	26.00	2.51	27.80	2.57	28.99	2.61
	104.0	21.77	2.56	22.83	2.56	23.85	2.56	24.36	2.56	25.83	2.56	26.79	2.56
	109.4	17.25	1.77	17.97	1.77	18.68	1.77	19.02	1.77	20.04	1.77	20.70	1.77
	114.8	10.83	0.98	11.23	0.98	11.62	0.98	11.81	0.98	12.37	0.98	12.73	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS15L + FTXS15L	68.0	28.28	1.87	29.55	1.91	30.82	1.95	31.46	1.96	33.36	2.02	34.63	2.06
	77.0	26.99	1.98	28.26	2.02	29.53	2.06	30.17	2.08	32.08	2.13	33.35	2.17
	86.0	25.71	2.11	26.98	2.14	28.25	2.18	28.89	2.20	30.79	2.26	32.06	2.29
	89.6	25.19	2.16	26.46	2.20	27.74	2.23	28.37	2.25	30.28	2.31	31.55	2.34
	95.0	24.42	2.24	25.69	2.28	26.96	2.31	27.60	2.33	29.51	2.39	30.78	2.43
	104.0	23.14	2.38	24.41	2.42	25.68	2.46	26.31	2.48	28.22	2.53	29.44	2.56
	109.4	18.57	1.77	19.36	1.77	20.14	1.77	20.52	1.77	21.64	1.77	22.36	1.77
	114.8	11.47	0.98	11.91	0.98	12.34	0.98	12.55	0.98	13.16	0.98	13.56	0.98
CTXS07L + FTXS15L + CDXS15L	68.0	27.87	1.97	29.12	2.01	30.37	2.05	31.00	2.07	32.88	2.12	34.13	2.16
	77.0	26.60	2.09	27.85	2.12	29.11	2.16	29.73	2.18	31.61	2.24	32.87	2.28
	86.0	25.33	2.21	26.59	2.25	27.84	2.29	28.47	2.31	30.35	2.37	31.60	2.41
	89.6	24.83	2.27	26.08	2.31	27.33	2.35	27.96	2.37	29.84	2.43	31.09	2.47
	95.0	24.07	2.35	25.32	2.39	26.57	2.43	27.20	2.45	29.08	2.51	30.33	2.55
	104.0	22.80	2.51	24.05	2.54	25.20	2.56	25.73	2.56	27.28	2.56	28.29	2.56
	109.4	18.02	1.77	18.79	1.77	19.53	1.77	19.89	1.77	20.96	1.77	21.65	1.77
	114.8	11.22	0.98	11.64	0.98	12.05	0.98	12.25	0.98	12.84	0.98	13.22	0.98
CTXS07L + CDXS15L + CDXS15L	68.0	27.46	2.06	28.69	2.10	29.93	2.15	30.54	2.17	32.40	2.23	33.63	2.27
	77.0	26.21	2.19	27.44	2.23	28.68	2.27	29.30	2.29	31.15	2.35	32.38	2.39
	86.0	24.96	2.32	26.20	2.36	27.43	2.41	28.05	2.43	29.90	2.49	31.13	2.53
	89.6	24.46	2.38	25.70	2.42	26.93	2.46	27.55	2.48	29.40	2.55	30.64	2.59
	95.0	23.71	2.47	24.95	2.51	26.18	2.55	26.80	2.57	28.65	2.63	29.89	2.68
	104.0	22.24	2.56	23.30	2.56	24.34	2.56	24.85	2.56	26.34	2.56	27.31	2.56
	109.4	17.57	1.77	18.30	1.77	19.02	1.77	19.37	1.77	20.40	1.77	21.06	1.77
	114.8	11.01	0.98	11.41	0.98	11.81	0.98	12.00	0.98	12.57	0.98	12.94	0.98
CTXS09H + CTXS09H + CTXS09H	68.0	25.00	1.58	26.12	1.61	27.25	1.64	27.81	1.66	29.49	1.71	30.62	1.74
	77.0	23.86	1.68	24.99	1.71	26.11	1.74	26.67	1.76	28.36	1.80	29.48	1.83
	86.0	22.73	1.78	23.85	1.81	24.97	1.84	25.54	1.86	27.22	1.91	28.35	1.94
	89.6	22.27	1.82	23.40	1.86	24.52	1.89	25.08	1.90	26.77	1.95	27.89	1.98
	95.0	21.59	1.89	22.71	1.92	23.84	1.96	24.40	1.97	26.09	2.02	27.21	2.05
	104.0	20.45	2.01	21.58	2.05	22.70	2.08	23.26	2.09	24.95	2.14	26.07	2.17
	109.4	17.92	1.77	18.72	1.77	19.50	1.77	19.89	1.77	21.01	1.77	21.74	1.77
	114.8	11.05	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.16	0.98
CTXS09H + CTXS09H + FDXS09L	68.0	24.59	1.69	25.69	1.72	26.80	1.75	27.35	1.77	29.01	1.82	30.12	1.85
	77.0	23.47	1.79	24.58	1.82	25.68	1.86	26.24	1.87	27.89	1.92	29.00	1.96
	86.0	22.35	1.90	23.46	1.93	24.56	1.97	25.12	1.98	26.78	2.03	27.88	2.07
	89.6	21.91	1.95	23.01	1.98	24.12	2.01	24.67	2.03	26.33	2.08	27.43	2.11
	95.0	21.24	2.02	22.34	2.05	23.45	2.09	24.00	2.10	25.66	2.15	26.76	2.19
	104.0	20.12	2.15	21.22	2.18	22.33	2.21	22.88	2.23	24.54	2.28	25.65	2.32
	109.4	17.12	1.77	17.88	1.77	18.62	1.77	18.98	1.77	20.05	1.77	20.73	1.77
	114.8	10.67	0.98	11.09	0.98	11.49	0.98	11.69	0.98	12.28	0.98	12.66	0.98
CTXS09H + FDXS09L + FDXS09L	68.0	24.28	1.79	25.37	1.83	26.46	1.86	27.01	1.88	28.65	1.93	29.74	1.97
	77.0	23.18	1.90	24.27	1.93	25.36	1.97	25.91	1.99	27.54	2.04	28.64	2.08
	86.0	22.07	2.02	23.17	2.05	24.26	2.09	24.80	2.11	26.44	2.16	27.53	2.19
	89.6	21.63	2.07	22.72	2.10	23.82	2.14	24.36	2.15	26.00	2.21	27.09	2.24
	95.0	20.97	2.14	22.06	2.18	23.15	2.21	23.70	2.23	25.34	2.29	26.43	2.32
	104.0	19.87	2.28	20.96	2.32	22.05	2.35	22.60	2.37	24.23	2.42	25.33	2.46
	109.4	16.54	1.77	17.26	1.77	17.96	1.77	18.31	1.77	19.32	1.77	19.98	1.77
	114.8	10.40	0.98	10.79	0.98	11.18	0.98	11.37	0.98	11.93	0.98	12.29	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L	68.0	24.08	1.94	25.16	1.97	26.24	2.01	26.78	2.03	28.41	2.09	29.49	2.13
	77.0	22.98	2.05	24.06	2.09	25.15	2.13	25.69	2.15	27.31	2.21	28.40	2.24
	86.0	21.89	2.18	22.97	2.22	24.05	2.26	24.59	2.28	26.22	2.33	27.30	2.37
	89.6	21.45	2.23	22.53	2.27	23.62	2.31	24.16	2.33	25.78	2.39	26.86	2.43
	95.0	20.79	2.32	21.88	2.35	22.96	2.39	23.50	2.41	25.12	2.47	26.21	2.51
	104.0	19.70	2.46	20.78	2.50	21.86	2.54	22.40	2.56	23.80	2.56	24.70	2.56
	109.4	16.04	1.77	16.73	1.77	17.39	1.77	17.72	1.77	18.68	1.77	19.31	1.77
	114.8	10.18	0.98	10.56	0.98	10.93	0.98	11.11	0.98	11.64	0.98	11.98	0.98
CTXS09H + CTXS09H + CTXS12H	68.0	25.61	1.66	26.76	1.70	27.92	1.73	28.49	1.75	30.22	1.79	31.37	1.83
	77.0	24.45	1.76	25.60	1.80	26.75	1.83	27.33	1.85	29.06	1.89	30.21	1.93
	86.0	23.28	1.87	24.44	1.90	25.59	1.94	26.16	1.95	27.89	2.00	29.04	2.04
	89.6	22.82	1.92	23.97	1.95	25.12	1.98	25.70	2.00	27.43	2.05	28.58	2.08
	95.0	22.12	1.99	23.27	2.02	24.42	2.06	25.00	2.07	26.73	2.12	27.88	2.15
	104.0	20.96	2.12	22.11	2.15	23.26	2.18	23.84	2.20	25.56	2.25	26.72	2.28
	109.4	17.88	1.77	18.68	1.77	19.45	1.77	19.83	1.77	20.94	1.77	21.66	1.77
	114.8	11.06	0.98	11.49	0.98	11.92	0.98	12.13	0.98	12.74	0.98	13.14	0.98
CTXS09H + CTXS09H + FDXS12L	68.0	25.20	1.77	26.34	1.81	27.47	1.85	28.04	1.86	29.74	1.92	30.87	1.95
	77.0	24.06	1.88	25.19	1.92	26.32	1.95	26.89	1.97	28.59	2.02	29.72	2.06
	86.0	22.91	2.00	24.05	2.03	25.18	2.07	25.75	2.09	27.45	2.14	28.58	2.17
	89.6	22.45	2.05	23.59	2.08	24.72	2.12	25.29	2.14	26.99	2.19	28.12	2.22
	95.0	21.77	2.12	22.90	2.16	24.03	2.19	24.60	2.21	26.30	2.27	27.43	2.30
	104.0	20.62	2.26	21.75	2.30	22.89	2.33	23.45	2.35	25.15	2.40	26.29	2.44
	109.4	17.14	1.77	17.89	1.77	18.62	1.77	18.98	1.77	20.03	1.77	20.71	1.77
	114.8	10.71	0.98	11.12	0.98	11.52	0.98	11.72	0.98	12.30	0.98	12.67	0.98
CTXS09H + FDXS09L + CTXS12H	68.0	25.20	1.77	26.34	1.81	27.47	1.85	28.04	1.86	29.74	1.92	30.87	1.95
	77.0	24.06	1.88	25.19	1.92	26.32	1.95	26.89	1.97	28.59	2.02	29.72	2.06
	86.0	22.91	2.00	24.05	2.03	25.18	2.07	25.75	2.09	27.45	2.14	28.58	2.17
	89.6	22.45	2.05	23.59	2.08	24.72	2.12	25.29	2.14	26.99	2.19	28.12	2.22
	95.0	21.77	2.12	22.90	2.16	24.03	2.19	24.60	2.21	26.30	2.27	27.43	2.30
	104.0	20.62	2.26	21.75	2.30	22.89	2.33	23.45	2.35	25.15	2.40	26.29	2.44
	109.4	17.14	1.77	17.89	1.77	18.62	1.77	18.98	1.77	20.03	1.77	20.71	1.77
	114.8	10.71	0.98	11.12	0.98	11.52	0.98	11.72	0.98	12.30	0.98	12.67	0.98
CTXS09H + FDXS09L + FDXS12L	68.0	24.79	1.88	25.91	1.92	27.02	1.95	27.58	1.97	29.25	2.03	30.37	2.07
	77.0	23.67	1.99	24.78	2.03	25.90	2.07	26.45	2.09	28.13	2.14	29.24	2.18
	86.0	22.54	2.12	23.65	2.15	24.77	2.19	25.33	2.21	27.00	2.27	28.11	2.30
	89.6	22.09	2.17	23.20	2.21	24.32	2.24	24.88	2.26	26.55	2.32	27.66	2.35
	95.0	21.41	2.25	22.53	2.29	23.64	2.32	24.20	2.34	25.87	2.40	26.99	2.44
	104.0	20.29	2.39	21.40	2.43	22.52	2.47	23.07	2.49	24.75	2.54	25.77	2.56
	109.4	16.57	1.77	17.28	1.77	17.98	1.77	18.32	1.77	19.32	1.77	19.97	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.40	0.98	11.96	0.98	12.32	0.98
FDXS09L + FDXS09L + CTXS12H	68.0	24.79	1.88	25.91	1.92	27.02	1.95	27.58	1.97	29.25	2.03	30.37	2.07
	77.0	23.67	1.99	24.78	2.03	25.90	2.07	26.45	2.09	28.13	2.14	29.24	2.18
	86.0	22.54	2.12	23.65	2.15	24.77	2.19	25.33	2.21	27.00	2.27	28.11	2.30
	89.6	22.09	2.17	23.20	2.21	24.32	2.24	24.88	2.26	26.55	2.32	27.66	2.35
	95.0	21.41	2.25	22.53	2.29	23.64	2.32	24.20	2.34	25.87	2.40	26.99	2.44
	104.0	20.29	2.39	21.40	2.43	22.52	2.47	23.07	2.49	24.75	2.54	25.77	2.56
	109.4	16.57	1.77	17.28	1.77	17.98	1.77	18.32	1.77	19.32	1.77	19.97	1.77
	114.8	10.44	0.98	10.83	0.98	11.22	0.98	11.40	0.98	11.96	0.98	12.32	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L	68.0	24.59	2.03	25.69	2.07	26.80	2.11	27.35	2.13	29.01	2.19	30.12	2.23
	77.0	23.47	2.15	24.58	2.19	25.68	2.23	26.24	2.26	27.89	2.32	29.00	2.36
	86.0	22.35	2.29	23.46	2.33	24.56	2.37	25.12	2.39	26.78	2.45	27.88	2.49
	89.6	21.91	2.34	23.01	2.38	24.12	2.42	24.67	2.44	26.33	2.51	27.43	2.55
	95.0	21.24	2.43	22.34	2.47	23.45	2.51	24.00	2.53	25.66	2.59	26.76	2.63
	104.0	20.05	2.56	21.03	2.56	21.99	2.56	22.46	2.56	23.84	2.56	24.74	2.56
	109.4	16.15	1.77	16.82	1.77	17.48	1.77	17.81	1.77	18.76	1.77	19.37	1.77
	114.8	10.27	0.98	10.64	0.98	11.00	0.98	11.18	0.98	11.70	0.98	12.05	0.98
CTXS09H + CTXS09H + FTXS15L	68.0	26.84	1.72	28.05	1.75	29.26	1.79	29.86	1.80	31.67	1.86	32.88	1.89
	77.0	25.62	1.82	26.83	1.86	28.04	1.89	28.64	1.91	30.45	1.96	31.66	1.99
	86.0	24.40	1.93	25.61	1.97	26.82	2.00	27.42	2.02	29.23	2.07	30.44	2.11
	89.6	23.91	1.98	25.12	2.02	26.33	2.05	26.93	2.07	28.74	2.12	29.95	2.15
	95.0	23.18	2.06	24.39	2.09	25.60	2.13	26.20	2.14	28.01	2.19	29.22	2.23
	104.0	21.96	2.19	23.17	2.22	24.38	2.26	24.98	2.27	26.79	2.33	28.00	2.36
	109.4	18.38	1.77	19.18	1.77	19.97	1.77	20.35	1.77	21.48	1.77	22.22	1.77
	114.8	11.33	0.98	11.77	0.98	12.20	0.98	12.42	0.98	13.04	0.98	13.44	0.98
CTXS09H + CTXS09H + CDXS15L	68.0	26.33	1.81	27.51	1.85	28.70	1.89	29.29	1.91	31.07	1.96	32.25	2.00
	77.0	25.13	1.92	26.32	1.96	27.50	2.00	28.09	2.01	29.87	2.07	31.05	2.10
	86.0	23.94	2.04	25.12	2.08	26.30	2.12	26.90	2.13	28.67	2.19	29.86	2.22
	89.6	23.46	2.09	24.64	2.13	25.83	2.17	26.42	2.18	28.19	2.24	29.38	2.27
	95.0	22.74	2.17	23.92	2.21	25.11	2.24	25.70	2.26	27.48	2.32	28.66	2.35
	104.0	21.54	2.31	22.73	2.35	23.91	2.38	24.50	2.40	26.28	2.46	27.46	2.49
	109.4	17.66	1.77	18.42	1.77	19.17	1.77	19.54	1.77	20.61	1.77	21.30	1.77
	114.8	10.98	0.98	11.41	0.98	11.82	0.98	12.02	0.98	12.61	0.98	12.99	0.98
CTXS09H + FDXS09L + FTXS15L	68.0	26.43	1.83	27.62	1.87	28.81	1.90	29.40	1.92	31.19	1.98	32.38	2.01
	77.0	25.23	1.94	26.42	1.98	27.61	2.01	28.20	2.03	29.99	2.09	31.17	2.12
	86.0	24.03	2.06	25.22	2.10	26.41	2.13	27.00	2.15	28.78	2.21	29.97	2.24
	89.6	23.55	2.11	24.74	2.15	25.93	2.18	26.52	2.20	28.30	2.26	29.49	2.29
	95.0	22.83	2.19	24.02	2.23	25.21	2.26	25.80	2.28	27.58	2.34	28.77	2.37
	104.0	21.63	2.33	22.82	2.37	24.00	2.40	24.60	2.42	26.38	2.48	27.57	2.51
	109.4	17.66	1.77	18.42	1.77	19.17	1.77	19.53	1.77	20.60	1.77	21.30	1.77
	114.8	10.99	0.98	11.41	0.98	11.82	0.98	12.02	0.98	12.61	0.98	12.99	0.98
CTXS09H + FDXS09L + CDXS15L	68.0	26.02	1.93	27.19	1.97	28.36	2.00	28.95	2.02	30.70	2.08	31.87	2.12
	77.0	24.84	2.04	26.01	2.08	27.18	2.12	27.77	2.14	29.52	2.20	30.69	2.24
	86.0	23.66	2.17	24.83	2.21	26.00	2.25	26.58	2.27	28.34	2.32	29.51	2.36
	89.6	23.18	2.22	24.35	2.26	25.52	2.30	26.11	2.32	27.86	2.38	29.04	2.42
	95.0	22.47	2.31	23.64	2.34	24.81	2.38	25.40	2.40	27.16	2.46	28.33	2.50
	104.0	21.29	2.45	22.46	2.49	23.63	2.53	24.22	2.55	25.75	2.56	26.71	2.56
	109.4	17.13	1.77	17.86	1.77	18.57	1.77	18.92	1.77	19.94	1.77	20.61	1.77
	114.8	10.74	0.98	11.15	0.98	11.54	0.98	11.73	0.98	12.29	0.98	12.66	0.98
FDXS09L + FDXS09L + FTXS15L	68.0	26.02	1.90	27.19	1.93	28.36	1.97	28.95	1.99	30.70	2.05	31.87	2.08
	77.0	24.84	2.01	26.01	2.05	27.18	2.08	27.77	2.10	29.52	2.16	30.69	2.20
	86.0	23.66	2.13	24.83	2.17	26.00	2.21	26.58	2.23	28.34	2.28	29.51	2.32
	89.6	23.18	2.19	24.35	2.22	25.52	2.26	26.11	2.28	27.86	2.34	29.04	2.37
	95.0	22.47	2.27	23.64	2.31	24.81	2.34	25.40	2.36	27.16	2.42	28.33	2.46
	104.0	21.29	2.41	22.46	2.45	23.63	2.49	24.22	2.51	25.95	2.56	26.93	2.56
	109.4	17.22	1.77	17.96	1.77	18.67	1.77	19.03	1.77	20.06	1.77	20.73	1.77
	114.8	10.78	0.98	11.19	0.98	11.58	0.98	11.78	0.98	12.35	0.98	12.72	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + CDXS15L	68.0	25.41	1.99	26.55	2.03	27.69	2.07	28.26	2.09	29.98	2.15	31.12	2.19
	77.0	24.25	2.11	25.40	2.15	26.54	2.19	27.11	2.21	28.82	2.27	29.97	2.31
	86.0	23.10	2.24	24.24	2.28	25.38	2.32	25.95	2.34	27.67	2.40	28.81	2.44
	89.6	22.64	2.30	23.78	2.34	24.92	2.38	25.49	2.40	27.21	2.46	28.35	2.50
	95.0	21.94	2.38	23.09	2.42	24.23	2.46	24.80	2.48	26.51	2.54	27.66	2.58
	104.0	20.79	2.54	21.88	2.56	22.88	2.56	23.37	2.56	24.80	2.56	25.73	2.56
	109.4	16.65	1.77	17.35	1.77	18.03	1.77	18.37	1.77	19.36	1.77	20.00	1.77
	114.8	10.51	0.98	10.90	0.98	11.28	0.98	11.46	0.98	12.01	0.98	12.36	0.98
CTXS09H + CTXS09H + FTXS18L	68.0	27.56	1.85	28.80	1.89	30.04	1.93	30.66	1.95	32.52	2.00	33.76	2.04
	77.0	26.31	1.97	27.55	2.00	28.79	2.04	29.41	2.06	31.26	2.11	32.50	2.15
	86.0	25.05	2.09	26.29	2.13	27.53	2.16	28.15	2.18	30.01	2.24	31.25	2.27
	89.6	24.55	2.14	25.79	2.18	27.03	2.21	27.65	2.23	29.51	2.29	30.75	2.32
	95.0	23.80	2.22	25.04	2.26	26.28	2.29	26.90	2.31	28.76	2.37	30.00	2.40
	104.0	22.55	2.36	23.79	2.40	25.03	2.44	25.65	2.45	27.51	2.51	28.75	2.55
	109.4	18.22	1.77	19.00	1.77	19.77	1.77	20.14	1.77	21.24	1.77	21.95	1.77
	114.8	11.29	0.98	11.72	0.98	12.14	0.98	12.34	0.98	12.95	0.98	13.34	0.98
CTXS09H + CTXS09H + CDXS18L	68.0	27.15	1.95	28.37	1.99	29.59	2.03	30.20	2.05	32.03	2.11	33.25	2.15
	77.0	25.92	2.07	27.14	2.11	28.36	2.15	28.97	2.17	30.80	2.22	32.02	2.26
	86.0	24.68	2.20	25.90	2.24	27.12	2.27	27.73	2.29	29.57	2.35	30.79	2.39
	89.6	24.19	2.25	25.41	2.29	26.63	2.33	27.24	2.35	29.07	2.41	30.29	2.45
	95.0	23.45	2.34	24.67	2.37	25.89	2.41	26.50	2.43	28.33	2.49	29.55	2.53
	104.0	22.21	2.48	23.43	2.52	24.65	2.56	25.17	2.56	26.70	2.56	27.68	2.56
	109.4	17.68	1.77	18.43	1.77	19.16	1.77	19.52	1.77	20.57	1.77	21.25	1.77
	114.8	11.04	0.98	11.45	0.98	11.85	0.98	12.05	0.98	12.63	0.98	13.00	0.98
CTXS09H + FDXS09L + FTXS18L	68.0	27.15	1.93	28.37	1.97	29.59	2.00	30.20	2.02	32.03	2.08	33.25	2.12
	77.0	25.92	2.04	27.14	2.08	28.36	2.12	28.97	2.14	30.80	2.20	32.02	2.24
	86.0	24.68	2.17	25.90	2.21	27.12	2.25	27.73	2.27	29.57	2.32	30.79	2.36
	89.6	24.19	2.22	25.41	2.26	26.63	2.30	27.24	2.32	29.07	2.38	30.29	2.42
	95.0	23.45	2.31	24.67	2.34	25.89	2.38	26.50	2.40	28.33	2.46	29.55	2.50
	104.0	22.21	2.45	23.43	2.49	24.66	2.53	25.27	2.55	26.85	2.56	27.85	2.56
	109.4	17.75	1.77	18.51	1.77	19.24	1.77	19.60	1.77	20.66	1.77	21.35	1.77
	114.8	11.06	0.98	11.48	0.98	11.89	0.98	12.08	0.98	12.67	0.98	13.05	0.98
CTXS09H + FDXS09L + CDXS18L	68.0	26.53	2.02	27.73	2.06	28.92	2.10	29.52	2.12	31.31	2.18	32.50	2.22
	77.0	25.33	2.14	26.52	2.18	27.72	2.22	28.31	2.24	30.10	2.30	31.30	2.34
	86.0	24.12	2.27	25.32	2.31	26.51	2.35	27.11	2.37	28.90	2.43	30.09	2.47
	89.6	23.64	2.33	24.83	2.37	26.03	2.41	26.62	2.43	28.41	2.49	29.61	2.53
	95.0	22.92	2.41	24.11	2.45	25.30	2.49	25.90	2.51	27.69	2.57	28.88	2.61
	104.0	21.69	2.56	22.74	2.56	23.76	2.56	24.27	2.56	25.74	2.56	26.69	2.56
	109.4	17.20	1.77	17.92	1.77	18.62	1.77	18.97	1.77	19.98	1.77	20.64	1.77
	114.8	10.80	0.98	11.20	0.98	11.59	0.98	11.78	0.98	12.34	0.98	12.70	0.98
FDXS09L + FDXS09L + FTXS18L	68.0	26.53	1.99	27.73	2.03	28.92	2.07	29.52	2.09	31.31	2.15	32.50	2.19
	77.0	25.33	2.11	26.52	2.15	27.72	2.19	28.31	2.21	30.10	2.27	31.30	2.31
	86.0	24.12	2.24	25.32	2.28	26.51	2.32	27.11	2.34	28.90	2.40	30.09	2.44
	89.6	23.64	2.30	24.83	2.34	26.03	2.38	26.62	2.40	28.41	2.46	29.61	2.50
	95.0	22.92	2.38	24.11	2.42	25.30	2.46	25.90	2.48	27.69	2.54	28.88	2.58
	104.0	21.71	2.54	22.85	2.56	23.88	2.56	24.39	2.56	25.87	2.56	26.83	2.56
	109.4	17.25	1.77	17.97	1.77	18.68	1.77	19.03	1.77	20.05	1.77	20.71	1.77
	114.8	10.82	0.98	11.22	0.98	11.61	0.98	11.81	0.98	12.37	0.98	12.73	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + CDXS18L	68.0	25.92	2.08	27.09	2.12	28.25	2.16	28.83	2.18	30.58	2.25	31.75	2.29
	77.0	24.74	2.20	25.91	2.25	27.07	2.29	27.66	2.31	29.40	2.37	30.57	2.41
	86.0	23.56	2.34	24.73	2.38	25.90	2.42	26.48	2.45	28.23	2.51	29.39	2.55
	89.6	23.09	2.40	24.26	2.44	25.42	2.48	26.01	2.50	27.76	2.56	28.92	2.61
	95.0	22.39	2.49	23.55	2.53	24.72	2.57	25.30	2.59	27.05	2.65	28.21	2.70
	104.0	20.96	2.56	21.97	2.56	22.96	2.56	23.45	2.56	24.87	2.56	25.79	2.56
	109.4	16.76	1.77	17.45	1.77	18.13	1.77	18.46	1.77	19.44	1.77	20.08	1.77
	114.8	10.60	0.98	10.98	0.98	11.35	0.98	11.54	0.98	12.08	0.98	12.43	0.98
CTXS09H + CTXS12H + CTXS12H	68.0	26.43	1.80	27.62	1.83	28.81	1.87	29.40	1.89	31.19	1.94	32.38	1.98
	77.0	25.23	1.91	26.42	1.94	27.61	1.98	28.20	2.00	29.99	2.05	31.17	2.09
	86.0	24.03	2.02	25.22	2.06	26.41	2.10	27.00	2.11	28.78	2.17	29.97	2.20
	89.6	23.55	2.07	24.74	2.11	25.93	2.15	26.52	2.16	28.30	2.22	29.49	2.25
	95.0	22.83	2.15	24.02	2.19	25.21	2.22	25.80	2.24	27.58	2.30	28.77	2.33
	104.0	21.63	2.29	22.82	2.33	24.00	2.36	24.60	2.38	26.38	2.43	27.57	2.47
	109.4	17.78	1.77	18.55	1.77	19.30	1.77	19.67	1.77	20.76	1.77	21.46	1.77
	114.8	11.04	0.98	11.47	0.98	11.88	0.98	12.09	0.98	12.68	0.98	13.07	0.98
CTXS09H + CTXS12H + FDXS12L	68.0	25.92	1.86	27.09	1.90	28.25	1.94	28.83	1.96	30.58	2.01	31.75	2.05
	77.0	24.74	1.98	25.91	2.01	27.07	2.05	27.66	2.07	29.40	2.12	30.57	2.16
	86.0	23.56	2.10	24.73	2.13	25.90	2.17	26.48	2.19	28.23	2.25	29.39	2.28
	89.6	23.09	2.15	24.26	2.19	25.42	2.22	26.01	2.24	27.76	2.30	28.92	2.33
	95.0	22.39	2.23	23.55	2.27	24.72	2.30	25.30	2.32	27.05	2.38	28.21	2.42
	104.0	21.21	2.37	22.37	2.41	23.54	2.45	24.12	2.46	25.87	2.52	27.04	2.56
	109.4	17.26	1.77	18.00	1.77	18.72	1.77	19.08	1.77	20.12	1.77	20.80	1.77
	114.8	10.79	0.98	11.20	0.98	11.60	0.98	11.79	0.98	12.37	0.98	12.74	0.98
CTXS09H + FDXS12L + FDXS12L	68.0	25.41	1.97	26.55	2.01	27.69	2.05	28.26	2.07	29.98	2.12	31.12	2.16
	77.0	24.25	2.09	25.40	2.12	26.54	2.16	27.11	2.18	28.82	2.24	29.97	2.28
	86.0	23.10	2.21	24.24	2.25	25.38	2.29	25.95	2.31	27.67	2.37	28.81	2.41
	89.6	22.64	2.27	23.78	2.31	24.92	2.35	25.49	2.37	27.21	2.43	28.35	2.47
	95.0	21.94	2.35	23.09	2.39	24.23	2.43	24.80	2.45	26.51	2.51	27.66	2.55
	104.0	20.79	2.51	21.93	2.54	22.99	2.56	23.48	2.56	24.92	2.56	25.86	2.56
	109.4	16.70	1.77	17.41	1.77	18.09	1.77	18.43	1.77	19.43	1.77	20.07	1.77
	114.8	10.53	0.98	10.92	0.98	11.30	0.98	11.49	0.98	12.04	0.98	12.39	0.98
FDXS09L + CTXS12H + CTXS12H	68.0	25.92	1.86	27.09	1.90	28.25	1.94	28.83	1.96	30.58	2.01	31.75	2.05
	77.0	24.74	1.98	25.91	2.01	27.07	2.05	27.66	2.07	29.40	2.12	30.57	2.16
	86.0	23.56	2.10	24.73	2.13	25.90	2.17	26.48	2.19	28.23	2.25	29.39	2.28
	89.6	23.09	2.15	24.26	2.19	25.42	2.22	26.01	2.24	27.76	2.30	28.92	2.33
	95.0	22.39	2.23	23.55	2.27	24.72	2.30	25.30	2.32	27.05	2.38	28.21	2.42
	104.0	21.21	2.37	22.37	2.41	23.54	2.45	24.12	2.46	25.87	2.52	27.04	2.56
	109.4	17.26	1.77	18.00	1.77	18.72	1.77	19.08	1.77	20.12	1.77	20.80	1.77
	114.8	10.79	0.98	11.20	0.98	11.60	0.98	11.79	0.98	12.37	0.98	12.74	0.98
FDXS09L + CTXS12H + FDXS12L	68.0	25.41	1.97	26.55	2.01	27.69	2.05	28.26	2.07	29.98	2.12	31.12	2.16
	77.0	24.25	2.09	25.40	2.12	26.54	2.16	27.11	2.18	28.82	2.24	29.97	2.28
	86.0	23.10	2.21	24.24	2.25	25.38	2.29	25.95	2.31	27.67	2.37	28.81	2.41
	89.6	22.64	2.27	23.78	2.31	24.92	2.35	25.49	2.37	27.21	2.43	28.35	2.47
	95.0	21.94	2.35	23.09	2.39	24.23	2.43	24.80	2.45	26.51	2.51	27.66	2.55
	104.0	20.79	2.51	21.93	2.54	22.99	2.56	23.48	2.56	24.92	2.56	25.86	2.56
	109.4	16.70	1.77	17.41	1.77	18.09	1.77	18.43	1.77	19.43	1.77	20.07	1.77
	114.8	10.53	0.98	10.92	0.98	11.30	0.98	11.49	0.98	12.04	0.98	12.39	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS12L + FDXS12L	68.0	24.79	2.03	25.91	2.07	27.02	2.11	27.58	2.13	29.25	2.19	30.37	2.23
	77.0	23.67	2.15	24.78	2.19	25.90	2.23	26.45	2.26	28.13	2.32	29.24	2.36
	86.0	22.54	2.29	23.65	2.33	24.77	2.37	25.33	2.39	27.00	2.45	28.11	2.49
	89.6	22.09	2.34	23.20	2.38	24.32	2.42	24.88	2.44	26.55	2.51	27.66	2.55
	95.0	21.41	2.43	22.53	2.47	23.64	2.51	24.20	2.53	25.87	2.59	26.99	2.63
	104.0	20.22	2.56	21.21	2.56	22.17	2.56	22.65	2.56	24.04	2.56	24.94	2.56
	109.4	16.25	1.77	16.93	1.77	17.60	1.77	17.92	1.77	18.88	1.77	19.50	1.77
	114.8	10.32	0.98	10.69	0.98	11.06	0.98	11.24	0.98	11.77	0.98	12.11	0.98
CTXS09H + CTXS12H + FTXS15L	68.0	27.56	1.85	28.80	1.89	30.04	1.93	30.66	1.95	32.52	2.00	33.76	2.04
	77.0	26.31	1.97	27.55	2.00	28.79	2.04	29.41	2.06	31.26	2.11	32.50	2.15
	86.0	25.05	2.09	26.29	2.13	27.53	2.16	28.15	2.18	30.01	2.24	31.25	2.27
	89.6	24.55	2.14	25.79	2.18	27.03	2.21	27.65	2.23	29.51	2.29	30.75	2.32
	95.0	23.80	2.22	25.04	2.26	26.28	2.29	26.90	2.31	28.76	2.37	30.00	2.40
	104.0	22.55	2.36	23.79	2.40	25.03	2.44	25.65	2.45	27.51	2.51	28.75	2.55
	109.4	18.22	1.77	19.00	1.77	19.77	1.77	20.14	1.77	21.24	1.77	21.95	1.77
	114.8	11.29	0.98	11.72	0.98	12.14	0.98	12.34	0.98	12.95	0.98	13.34	0.98
CTXS09H + CTXS12H + CDXS15L	68.0	27.15	1.95	28.37	1.99	29.59	2.03	30.20	2.05	32.03	2.11	33.25	2.15
	77.0	25.92	2.07	27.14	2.11	28.36	2.15	28.97	2.17	30.80	2.22	32.02	2.26
	86.0	24.68	2.20	25.90	2.24	27.12	2.27	27.73	2.29	29.57	2.35	30.79	2.39
	89.6	24.19	2.25	25.41	2.29	26.63	2.33	27.24	2.35	29.07	2.41	30.29	2.45
	95.0	23.45	2.34	24.67	2.37	25.89	2.41	26.50	2.43	28.33	2.49	29.55	2.53
	104.0	22.21	2.48	23.43	2.52	24.65	2.56	25.17	2.56	26.70	2.56	27.68	2.56
	109.4	17.68	1.77	18.43	1.77	19.16	1.77	19.52	1.77	20.57	1.77	21.25	1.77
	114.8	11.04	0.98	11.45	0.98	11.85	0.98	12.05	0.98	12.63	0.98	13.00	0.98
CTXS09H + FDXS12L + FTXS15L	68.0	27.15	1.92	28.37	1.96	29.59	2.00	30.20	2.01	32.03	2.07	33.25	2.11
	77.0	25.92	2.03	27.14	2.07	28.36	2.11	28.97	2.13	30.80	2.19	32.02	2.23
	86.0	24.68	2.16	25.90	2.20	27.12	2.24	27.73	2.26	29.57	2.31	30.79	2.35
	89.6	24.19	2.21	25.41	2.25	26.63	2.29	27.24	2.31	29.07	2.37	30.29	2.41
	95.0	23.45	2.30	24.67	2.34	25.89	2.37	26.50	2.39	28.33	2.45	29.55	2.49
	104.0	22.21	2.44	23.43	2.48	24.66	2.52	25.27	2.54	26.91	2.56	27.91	2.56
	109.4	17.77	1.77	18.53	1.77	19.27	1.77	19.63	1.77	20.69	1.77	21.38	1.77
	114.8	11.07	0.98	11.49	0.98	11.90	0.98	12.10	0.98	12.68	0.98	13.06	0.98
CTXS09H + FDXS12L + CDXS15L	68.0	26.43	2.02	27.62	2.06	28.81	2.10	29.40	2.12	31.19	2.18	32.38	2.22
	77.0	25.23	2.14	26.42	2.18	27.61	2.22	28.20	2.24	29.99	2.30	31.17	2.34
	86.0	24.03	2.27	25.22	2.31	26.41	2.35	27.00	2.37	28.78	2.43	29.97	2.47
	89.6	23.55	2.33	24.74	2.37	25.93	2.41	26.52	2.43	28.30	2.49	29.49	2.53
	95.0	22.83	2.41	24.02	2.45	25.21	2.49	25.80	2.51	27.58	2.57	28.77	2.61
	104.0	21.61	2.56	22.65	2.56	23.67	2.56	24.17	2.56	25.64	2.56	26.59	2.56
	109.4	17.14	1.77	17.86	1.77	18.56	1.77	18.91	1.77	19.92	1.77	20.57	1.77
	114.8	10.78	0.98	11.17	0.98	11.56	0.98	11.75	0.98	12.30	0.98	12.67	0.98
FDXS09L + CTXS12H + FTXS15L	68.0	27.15	1.92	28.37	1.96	29.59	2.00	30.20	2.01	32.03	2.07	33.25	2.11
	77.0	25.92	2.03	27.14	2.07	28.36	2.11	28.97	2.13	30.80	2.19	32.02	2.23
	86.0	24.68	2.16	25.90	2.20	27.12	2.24	27.73	2.26	29.57	2.31	30.79	2.35
	89.6	24.19	2.21	25.41	2.25	26.63	2.29	27.24	2.31	29.07	2.37	30.29	2.41
	95.0	23.45	2.30	24.67	2.34	25.89	2.37	26.50	2.39	28.33	2.45	29.55	2.49
	104.0	22.21	2.44	23.43	2.48	24.66	2.52	25.27	2.54	26.91	2.56	27.91	2.56
	109.4	17.77	1.77	18.53	1.77	19.27	1.77	19.63	1.77	20.69	1.77	21.38	1.77
	114.8	11.07	0.98	11.49	0.98	11.90	0.98	12.10	0.98	12.68	0.98	13.06	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + CDXS15L	68.0	26.43	2.02	27.62	2.06	28.81	2.10	29.40	2.12	31.19	2.18	32.38	2.22
	77.0	25.23	2.14	26.42	2.18	27.61	2.22	28.20	2.24	29.99	2.30	31.17	2.34
	86.0	24.03	2.27	25.22	2.31	26.41	2.35	27.00	2.37	28.78	2.43	29.97	2.47
	89.6	23.55	2.33	24.74	2.37	25.93	2.41	26.52	2.43	28.30	2.49	29.49	2.53
	95.0	22.83	2.41	24.02	2.45	25.21	2.49	25.80	2.51	27.58	2.57	28.77	2.61
	104.0	21.61	2.56	22.65	2.56	23.67	2.56	24.17	2.56	25.64	2.56	26.59	2.56
	109.4	17.14	1.77	17.86	1.77	18.56	1.77	18.91	1.77	19.92	1.77	20.57	1.77
	114.8	10.78	0.98	11.17	0.98	11.56	0.98	11.75	0.98	12.30	0.98	12.67	0.98
FDXS09L + FDXS12L + FTXS15L	68.0	26.43	1.99	27.62	2.03	28.81	2.07	29.40	2.09	31.19	2.15	32.38	2.19
	77.0	25.23	2.11	26.42	2.15	27.61	2.19	28.20	2.21	29.99	2.27	31.17	2.31
	86.0	24.03	2.24	25.22	2.28	26.41	2.32	27.00	2.34	28.78	2.40	29.97	2.44
	89.6	23.55	2.30	24.74	2.34	25.93	2.38	26.52	2.40	28.30	2.46	29.49	2.50
	95.0	22.83	2.38	24.02	2.42	25.21	2.46	25.80	2.48	27.58	2.54	28.77	2.58
	104.0	21.63	2.54	22.76	2.56	23.79	2.56	24.29	2.56	25.77	2.56	26.73	2.56
	109.4	17.19	1.77	17.92	1.77	18.62	1.77	18.97	1.77	19.99	1.77	20.65	1.77
	114.8	10.80	0.98	11.19	0.98	11.58	0.98	11.77	0.98	12.34	0.98	12.70	0.98
FDXS09L + FDXS12L + CDXS15L	68.0	25.82	2.08	26.98	2.12	28.14	2.16	28.72	2.18	30.46	2.25	31.62	2.29
	77.0	24.64	2.20	25.81	2.25	26.97	2.29	27.55	2.31	29.29	2.37	30.45	2.41
	86.0	23.47	2.34	24.63	2.38	25.79	2.42	26.37	2.45	28.11	2.51	29.28	2.55
	89.6	23.00	2.40	24.16	2.44	25.32	2.48	25.90	2.50	27.65	2.56	28.81	2.61
	95.0	22.30	2.49	23.46	2.53	24.62	2.57	25.20	2.59	26.94	2.65	28.10	2.70
	104.0	20.88	2.56	21.89	2.56	22.87	2.56	23.36	2.56	24.77	2.56	25.69	2.56
	109.4	16.71	1.77	17.40	1.77	18.08	1.77	18.41	1.77	19.38	1.77	20.02	1.77
	114.8	10.57	0.98	10.95	0.98	11.32	0.98	11.51	0.98	12.04	0.98	12.39	0.98
CTXS09H + CTXS12H + FTXS18L	68.0	28.28	1.95	29.55	1.99	30.82	2.03	31.46	2.05	33.36	2.11	34.63	2.15
	77.0	26.99	2.07	28.26	2.11	29.53	2.15	30.17	2.17	32.08	2.22	33.35	2.26
	86.0	25.71	2.20	26.98	2.24	28.25	2.27	28.89	2.29	30.79	2.35	32.06	2.39
	89.6	25.19	2.25	26.46	2.29	27.74	2.33	28.37	2.35	30.28	2.41	31.55	2.45
	95.0	24.42	2.34	25.69	2.37	26.96	2.41	27.60	2.43	29.51	2.49	30.78	2.53
	104.0	23.14	2.48	24.41	2.52	25.67	2.56	26.21	2.56	27.79	2.56	28.81	2.56
	109.4	18.29	1.77	19.07	1.77	19.82	1.77	20.19	1.77	21.28	1.77	21.99	1.77
	114.8	11.35	0.98	11.78	0.98	12.19	0.98	12.40	0.98	13.00	0.98	13.39	0.98
CTXS09H + CTXS12H + CDXS18L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS09H + FDXS12L + FTXS18L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS12L + CDXS18L	68.0	27.05	2.11	28.26	2.15	29.48	2.20	30.09	2.22	31.91	2.28	33.13	2.32
	77.0	25.82	2.24	27.03	2.28	28.25	2.32	28.86	2.34	30.68	2.41	31.90	2.45
	86.0	24.59	2.38	25.80	2.42	27.02	2.46	27.63	2.48	29.45	2.55	30.67	2.59
	89.6	24.10	2.44	25.31	2.48	26.53	2.52	27.14	2.54	28.96	2.60	30.18	2.65
	95.0	23.36	2.53	24.58	2.57	25.79	2.61	26.40	2.63	28.22	2.70	29.44	2.74
	104.0	21.74	2.56	22.78	2.56	23.79	2.56	24.29	2.56	25.74	2.56	26.69	2.56
	109.4	17.28	1.77	17.99	1.77	18.68	1.77	19.03	1.77	20.03	1.77	20.68	1.77
	114.8	10.87	0.98	11.27	0.98	11.65	0.98	11.84	0.98	12.39	0.98	12.75	0.98
FDXS09L + CTXS12H + FTXS18L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98
FDXS09L + CTXS12H + CDXS18L	68.0	27.05	2.11	28.26	2.15	29.48	2.20	30.09	2.22	31.91	2.28	33.13	2.32
	77.0	25.82	2.24	27.03	2.28	28.25	2.32	28.86	2.34	30.68	2.41	31.90	2.45
	86.0	24.59	2.38	25.80	2.42	27.02	2.46	27.63	2.48	29.45	2.55	30.67	2.59
	89.6	24.10	2.44	25.31	2.48	26.53	2.52	27.14	2.54	28.96	2.60	30.18	2.65
	95.0	23.36	2.53	24.58	2.57	25.79	2.61	26.40	2.63	28.22	2.70	29.44	2.74
	104.0	21.74	2.56	22.78	2.56	23.79	2.56	24.29	2.56	25.74	2.56	26.69	2.56
	109.4	17.28	1.77	17.99	1.77	18.68	1.77	19.03	1.77	20.03	1.77	20.68	1.77
	114.8	10.87	0.98	11.27	0.98	11.65	0.98	11.84	0.98	12.39	0.98	12.75	0.98
FDXS09L + FDXS12L + FTXS18L	68.0	27.05	2.08	28.26	2.12	29.48	2.16	30.09	2.18	31.91	2.25	33.13	2.29
	77.0	25.82	2.20	27.03	2.25	28.25	2.29	28.86	2.31	30.68	2.37	31.90	2.41
	86.0	24.59	2.34	25.80	2.38	27.02	2.42	27.63	2.45	29.45	2.51	30.67	2.55
	89.6	24.10	2.40	25.31	2.44	26.53	2.48	27.14	2.50	28.96	2.56	30.18	2.61
	95.0	23.36	2.49	24.58	2.53	25.79	2.57	26.40	2.59	28.22	2.65	29.44	2.70
	104.0	21.86	2.56	22.90	2.56	23.92	2.56	24.42	2.56	25.89	2.56	26.84	2.56
	109.4	17.33	1.77	18.05	1.77	18.75	1.77	19.10	1.77	20.11	1.77	20.76	1.77
	114.8	10.89	0.98	11.29	0.98	11.67	0.98	11.86	0.98	12.42	0.98	12.78	0.98
FDXS09L + FDXS12L + CDXS18L	68.0	26.53	2.18	27.73	2.22	28.92	2.26	29.52	2.28	31.31	2.35	32.50	2.39
	77.0	25.33	2.31	26.52	2.35	27.72	2.39	28.31	2.42	30.10	2.48	31.30	2.52
	86.0	24.12	2.45	25.32	2.49	26.51	2.54	27.11	2.56	28.90	2.62	30.09	2.67
	89.6	23.64	2.51	24.83	2.55	26.03	2.60	26.62	2.62	28.41	2.68	29.61	2.73
	95.0	22.92	2.60	24.11	2.65	25.30	2.69	25.90	2.71	27.69	2.78	28.88	2.82
	104.0	21.16	2.56	22.17	2.56	23.15	2.56	23.63	2.56	25.04	2.56	25.96	2.56
	109.4	16.93	1.77	17.62	1.77	18.30	1.77	18.63	1.77	19.60	1.77	20.23	1.77
	114.8	10.71	0.98	11.09	0.98	11.47	0.98	11.65	0.98	12.19	0.98	12.53	0.98
CTXS09H + FTXS15L + FTXS15L	68.0	28.69	1.92	29.98	1.96	31.27	2.00	31.91	2.01	33.85	2.07	35.14	2.11
	77.0	27.38	2.03	28.67	2.07	29.96	2.11	30.61	2.13	32.54	2.19	33.83	2.23
	86.0	26.08	2.16	27.37	2.20	28.66	2.24	29.30	2.26	31.24	2.31	32.53	2.35
	89.6	25.56	2.21	26.85	2.25	28.14	2.29	28.78	2.31	30.72	2.37	32.01	2.41
	95.0	24.77	2.30	26.06	2.34	27.35	2.37	28.00	2.39	29.94	2.45	31.23	2.49
	104.0	23.47	2.44	24.76	2.48	26.05	2.52	26.70	2.54	28.42	2.56	29.46	2.56
	109.4	18.62	1.77	19.42	1.77	20.19	1.77	20.57	1.77	21.68	1.77	22.40	1.77
	114.8	11.51	0.98	11.95	0.98	12.37	0.98	12.58	0.98	13.20	0.98	13.59	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + CDXS15L	68.0	28.17	2.02	29.44	2.06	30.71	2.10	31.34	2.12	33.24	2.18	34.51	2.22
	77.0	26.89	2.14	28.16	2.18	29.43	2.22	30.06	2.24	31.96	2.30	33.23	2.34
	86.0	25.61	2.27	26.88	2.31	28.15	2.35	28.78	2.37	30.68	2.43	31.95	2.47
	89.6	25.10	2.33	26.37	2.37	27.63	2.41	28.27	2.43	30.17	2.49	31.44	2.53
	95.0	24.33	2.41	25.60	2.45	26.87	2.49	27.50	2.51	29.40	2.57	30.67	2.61
	104.0	23.03	2.56	24.13	2.56	25.20	2.56	25.73	2.56	27.27	2.56	28.27	2.56
	109.4	18.06	1.77	18.81	1.77	19.55	1.77	19.91	1.77	20.98	1.77	21.67	1.77
	114.8	11.25	0.98	11.67	0.98	12.07	0.98	12.27	0.98	12.86	0.98	13.24	0.98
CTXS09H + CDXS15L + CDXS15L	68.0	27.76	2.11	29.01	2.15	30.26	2.20	30.89	2.22	32.76	2.28	34.01	2.32
	77.0	26.50	2.24	27.75	2.28	29.00	2.32	29.62	2.34	31.50	2.41	32.75	2.45
	86.0	25.24	2.38	26.49	2.42	27.74	2.46	28.36	2.48	30.23	2.55	31.48	2.59
	89.6	24.74	2.44	25.98	2.48	27.23	2.52	27.86	2.54	29.73	2.60	30.98	2.65
	95.0	23.98	2.53	25.23	2.57	26.48	2.61	27.10	2.63	28.97	2.70	30.22	2.74
	104.0	22.30	2.56	23.36	2.56	24.39	2.56	24.90	2.56	26.38	2.56	27.35	2.56
	109.4	17.64	1.77	18.36	1.77	19.07	1.77	19.42	1.77	20.45	1.77	21.11	1.77
	114.8	11.06	0.98	11.46	0.98	11.85	0.98	12.04	0.98	12.61	0.98	12.97	0.98
FDXS09L + FTXS15L + FTXS15L	68.0	28.17	1.98	29.44	2.02	30.71	2.06	31.34	2.08	33.24	2.14	34.51	2.18
	77.0	26.89	2.10	28.16	2.14	29.43	2.18	30.06	2.20	31.96	2.26	33.23	2.30
	86.0	25.61	2.23	26.88	2.27	28.15	2.31	28.78	2.33	30.68	2.39	31.95	2.43
	89.6	25.10	2.29	26.37	2.33	27.63	2.37	28.27	2.39	30.17	2.45	31.44	2.49
	95.0	24.33	2.37	25.60	2.41	26.87	2.45	27.50	2.47	29.40	2.53	30.67	2.57
	104.0	23.05	2.53	24.30	2.56	25.38	2.56	25.91	2.56	27.47	2.56	28.48	2.56
	109.4	18.14	1.77	18.91	1.77	19.65	1.77	20.02	1.77	21.09	1.77	21.79	1.77
	114.8	11.28	0.98	11.70	0.98	12.12	0.98	12.32	0.98	12.91	0.98	13.29	0.98
FDXS09L + FTXS15L + CDXS15L	68.0	27.76	2.08	29.01	2.12	30.26	2.16	30.89	2.18	32.76	2.25	34.01	2.29
	77.0	26.50	2.20	27.75	2.25	29.00	2.29	29.62	2.31	31.50	2.37	32.75	2.41
	86.0	25.24	2.34	26.49	2.38	27.74	2.42	28.36	2.45	30.23	2.51	31.48	2.55
	89.6	24.74	2.40	25.98	2.44	27.23	2.48	27.86	2.50	29.73	2.56	30.98	2.61
	95.0	23.98	2.49	25.23	2.53	26.48	2.57	27.10	2.59	28.97	2.65	30.22	2.70
	104.0	22.42	2.56	23.49	2.56	24.53	2.56	25.04	2.56	26.54	2.56	27.51	2.56
	109.4	17.70	1.77	18.43	1.77	19.15	1.77	19.50	1.77	20.53	1.77	21.20	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.64	0.98	13.01	0.98
FDXS09L + CDXS15L + CDXS15L	68.0	27.35	2.18	28.58	2.22	29.81	2.26	30.43	2.28	32.27	2.35	33.50	2.39
	77.0	26.11	2.31	27.34	2.35	28.57	2.39	29.19	2.42	31.03	2.48	32.26	2.52
	86.0	24.87	2.45	26.10	2.49	27.33	2.54	27.94	2.56	29.79	2.62	31.02	2.67
	89.6	24.37	2.51	25.60	2.55	26.83	2.60	27.45	2.62	29.29	2.68	30.52	2.73
	95.0	23.62	2.60	24.85	2.65	26.08	2.69	26.70	2.71	28.55	2.78	29.78	2.82
	104.0	21.78	2.56	22.81	2.56	23.81	2.56	24.31	2.56	25.75	2.56	26.69	2.56
	109.4	17.33	1.77	18.04	1.77	18.73	1.77	19.07	1.77	20.06	1.77	20.71	1.77
	114.8	10.92	0.98	11.31	0.98	11.69	0.98	11.88	0.98	12.43	0.98	12.78	0.98
CTXS12H + CTXS12H + CTXS12H	68.0	27.15	1.89	28.37	1.92	29.59	1.96	30.20	1.98	32.03	2.04	33.25	2.08
	77.0	25.92	2.00	27.14	2.04	28.36	2.08	28.97	2.09	30.80	2.15	32.02	2.19
	86.0	24.68	2.12	25.90	2.16	27.12	2.20	27.73	2.22	29.57	2.27	30.79	2.31
	89.6	24.19	2.18	25.41	2.21	26.63	2.25	27.24	2.27	29.07	2.33	30.29	2.36
	95.0	23.45	2.26	24.67	2.30	25.89	2.33	26.50	2.35	28.33	2.41	29.55	2.45
	104.0	22.21	2.40	23.43	2.44	24.66	2.48	25.27	2.50	27.10	2.55	28.14	2.56
	109.4	17.88	1.77	18.64	1.77	19.39	1.77	19.75	1.77	20.83	1.77	21.52	1.77
	114.8	11.12	0.98	11.54	0.98	11.95	0.98	12.15	0.98	12.74	0.98	13.13	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CTXS12H + FDXS12L	68.0	26.53	1.95	27.73	1.99	28.92	2.03	29.52	2.05	31.31	2.11	32.50	2.15
	77.0	25.33	2.07	26.52	2.11	27.72	2.15	28.31	2.17	30.10	2.22	31.30	2.26
	86.0	24.12	2.20	25.32	2.24	26.51	2.27	27.11	2.29	28.90	2.35	30.09	2.39
	89.6	23.64	2.25	24.83	2.29	26.03	2.33	26.62	2.35	28.41	2.41	29.61	2.45
	95.0	22.92	2.34	24.11	2.37	25.30	2.41	25.90	2.43	27.69	2.49	28.88	2.53
	104.0	21.71	2.48	22.90	2.52	24.09	2.56	24.60	2.56	26.10	2.56	27.07	2.56
	109.4	17.35	1.77	18.08	1.77	18.80	1.77	19.15	1.77	20.18	1.77	20.85	1.77
	114.8	10.86	0.98	11.27	0.98	11.66	0.98	11.86	0.98	12.43	0.98	12.80	0.98
CTXS12H + FDXS12L + FDXS12L	68.0	26.12	2.10	27.30	2.15	28.47	2.19	29.06	2.21	30.82	2.27	32.00	2.31
	77.0	24.94	2.23	26.11	2.27	27.29	2.31	27.87	2.34	29.64	2.40	30.81	2.44
	86.0	23.75	2.37	24.93	2.41	26.10	2.45	26.69	2.47	28.45	2.54	29.62	2.58
	89.6	23.28	2.43	24.45	2.47	25.62	2.51	26.21	2.53	27.97	2.59	29.15	2.64
	95.0	22.56	2.52	23.74	2.56	24.91	2.60	25.50	2.62	27.26	2.69	28.44	2.73
	104.0	21.05	2.56	22.06	2.56	23.05	2.56	23.53	2.56	24.95	2.56	25.87	2.56
	109.4	16.83	1.77	17.52	1.77	18.20	1.77	18.53	1.77	19.51	1.77	20.14	1.77
	114.8	10.64	0.98	11.02	0.98	11.39	0.98	11.58	0.98	12.12	0.98	12.47	0.98
FDXS12L + FDXS12L + FDXS12L	68.0	25.31	2.17	26.44	2.21	27.58	2.25	28.15	2.28	29.86	2.34	31.00	2.38
	77.0	24.16	2.30	25.29	2.34	26.43	2.39	27.00	2.41	28.71	2.47	29.85	2.51
	86.0	23.01	2.44	24.14	2.48	25.28	2.53	25.85	2.55	27.56	2.61	28.70	2.66
	89.6	22.55	2.50	23.68	2.54	24.82	2.59	25.39	2.61	27.10	2.67	28.23	2.72
	95.0	21.86	2.59	22.99	2.64	24.13	2.68	24.70	2.70	26.41	2.77	27.54	2.81
	104.0	20.25	2.56	21.22	2.56	22.17	2.56	22.63	2.56	24.00	2.56	24.88	2.56
	109.4	16.34	1.77	17.01	1.77	17.66	1.77	17.98	1.77	18.92	1.77	19.53	1.77
	114.8	10.41	0.98	10.77	0.98	11.13	0.98	11.31	0.98	11.83	0.98	12.16	0.98
CTXS12H + CTXS12H + FTXS15L	68.0	28.28	1.95	29.55	1.99	30.82	2.03	31.46	2.05	33.36	2.11	34.63	2.15
	77.0	26.99	2.07	28.26	2.11	29.53	2.15	30.17	2.17	32.08	2.22	33.35	2.26
	86.0	25.71	2.20	26.98	2.24	28.25	2.27	28.89	2.29	30.79	2.35	32.06	2.39
	89.6	25.19	2.25	26.46	2.29	27.74	2.33	28.37	2.35	30.28	2.41	31.55	2.45
	95.0	24.42	2.34	25.69	2.37	26.96	2.41	27.60	2.43	29.51	2.49	30.78	2.53
	104.0	23.14	2.48	24.41	2.52	25.67	2.56	26.21	2.56	27.79	2.56	28.81	2.56
	109.4	18.29	1.77	19.07	1.77	19.82	1.77	20.19	1.77	21.28	1.77	21.99	1.77
	114.8	11.35	0.98	11.78	0.98	12.19	0.98	12.40	0.98	13.00	0.98	13.39	0.98
CTXS12H + CTXS12H + CDXS15L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS12H + FDXS12L + FTXS15L	68.0	27.66	2.02	28.91	2.06	30.15	2.10	30.77	2.12	32.64	2.18	33.88	2.22
	77.0	26.40	2.14	27.65	2.18	28.89	2.22	29.51	2.24	31.38	2.30	32.62	2.34
	86.0	25.15	2.27	26.39	2.31	27.64	2.35	28.26	2.37	30.12	2.43	31.37	2.47
	89.6	24.64	2.33	25.89	2.37	27.13	2.41	27.75	2.43	29.62	2.49	30.86	2.53
	95.0	23.89	2.41	25.13	2.45	26.38	2.49	27.00	2.51	28.87	2.57	30.11	2.61
	104.0	22.61	2.56	23.70	2.56	24.75	2.56	25.27	2.56	26.79	2.56	27.78	2.56
	109.4	17.79	1.77	18.53	1.77	19.26	1.77	19.62	1.77	20.67	1.77	21.34	1.77
	114.8	11.11	0.98	11.52	0.98	11.92	0.98	12.12	0.98	12.70	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FDXS12L + CDXS15L	68.0	26.94	2.11	28.16	2.15	29.37	2.20	29.97	2.22	31.79	2.28	33.00	2.32
	77.0	25.72	2.24	26.93	2.28	28.14	2.32	28.75	2.34	30.57	2.41	31.78	2.45
	86.0	24.50	2.38	25.71	2.42	26.92	2.46	27.52	2.48	29.34	2.55	30.55	2.59
	89.6	24.01	2.44	25.22	2.48	26.43	2.52	27.03	2.54	28.85	2.60	30.06	2.65
	95.0	23.27	2.53	24.48	2.57	25.69	2.61	26.30	2.63	28.12	2.70	29.33	2.74
	104.0	21.66	2.56	22.70	2.56	23.71	2.56	24.20	2.56	25.65	2.56	26.59	2.56
	109.4	17.23	1.77	17.94	1.77	18.63	1.77	18.97	1.77	19.97	1.77	20.62	1.77
	114.8	10.85	0.98	11.24	0.98	11.62	0.98	11.81	0.98	12.36	0.98	12.72	0.98
FDXS12L + FDXS12L + FTXS15L	68.0	26.94	2.08	28.16	2.12	29.37	2.16	29.97	2.18	31.79	2.25	33.00	2.29
	77.0	25.72	2.20	26.93	2.25	28.14	2.29	28.75	2.31	30.57	2.37	31.78	2.41
	86.0	24.50	2.34	25.71	2.38	26.92	2.42	27.52	2.45	29.34	2.51	30.55	2.55
	89.6	24.01	2.40	25.22	2.44	26.43	2.48	27.03	2.50	28.85	2.56	30.06	2.61
	95.0	23.27	2.49	24.48	2.53	25.69	2.57	26.30	2.59	28.12	2.65	29.33	2.70
	104.0	21.77	2.56	22.82	2.56	23.83	2.56	24.33	2.56	25.80	2.56	26.74	2.56
	109.4	17.28	1.77	18.00	1.77	18.70	1.77	19.04	1.77	20.05	1.77	20.70	1.77
	114.8	10.87	0.98	11.26	0.98	11.65	0.98	11.83	0.98	12.39	0.98	12.75	0.98
FDXS12L + FDXS12L + CDXS15L	68.0	26.53	2.18	27.73	2.22	28.92	2.26	29.52	2.28	31.31	2.35	32.50	2.39
	77.0	25.33	2.31	26.52	2.35	27.72	2.39	28.31	2.42	30.10	2.48	31.30	2.52
	86.0	24.12	2.45	25.32	2.49	26.51	2.54	27.11	2.56	28.90	2.62	30.09	2.67
	89.6	23.64	2.51	24.83	2.55	26.03	2.60	26.62	2.62	28.41	2.68	29.61	2.73
	95.0	22.92	2.60	24.11	2.65	25.30	2.69	25.90	2.71	27.69	2.78	28.88	2.82
	104.0	21.16	2.56	22.17	2.56	23.15	2.56	23.63	2.56	25.04	2.56	25.96	2.56
	109.4	16.93	1.77	17.62	1.77	18.30	1.77	18.63	1.77	19.60	1.77	20.23	1.77
	114.8	10.71	0.98	11.09	0.98	11.47	0.98	11.65	0.98	12.19	0.98	12.53	0.98

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

3D078972 ~ 3D078979  
3D078980 ~ 3D078987

Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	60.8	5.33	0.92	6.40	0.97	7.48	1.02	8.55	1.07	9.84	1.12	10.69	1.16	11.77	1.21
	64.4	5.20	0.93	6.27	0.98	7.34	1.03	8.42	1.08	9.70	1.13	10.56	1.17	11.63	1.22
	68.0	5.07	0.95	6.14	0.99	7.21	1.04	8.29	1.09	9.57	1.14	10.43	1.18	11.50	1.23
	70.0	4.99	0.95	6.07	1.00	7.14	1.05	8.21	1.09	9.50	1.15	10.36	1.19	11.43	1.24
	71.6	4.94	0.96	6.01	1.00	7.08	1.05	8.15	1.10	9.44	1.15	10.30	1.19	11.37	1.24
	75.2	4.81	0.97	5.88	1.01	6.95	1.06	8.02	1.11	9.31	1.16	10.17	1.20	11.24	1.25
CTXS09H	60.8	6.84	1.13	8.22	1.19	9.60	1.25	10.98	1.31	12.63	1.38	13.73	1.42	15.11	1.48
	64.4	6.68	1.15	8.05	1.20	9.43	1.26	10.81	1.32	12.46	1.39	13.56	1.44	14.94	1.49
	68.0	6.51	1.16	7.89	1.22	9.26	1.28	10.64	1.33	12.29	1.40	13.40	1.45	14.77	1.51
	70.0	6.41	1.17	7.79	1.22	9.17	1.28	10.55	1.34	12.20	1.41	13.30	1.46	14.68	1.51
	71.6	6.34	1.17	7.72	1.23	9.09	1.29	10.47	1.35	12.13	1.42	13.23	1.46	14.60	1.52
	75.2	6.17	1.18	7.55	1.24	8.93	1.30	10.30	1.36	11.96	1.43	13.06	1.47	14.44	1.53
FDXS09L	60.8	6.51	1.19	7.82	1.25	9.13	1.31	10.44	1.37	12.01	1.45	13.06	1.49	14.37	1.56
	64.4	6.35	1.20	7.66	1.26	8.97	1.33	10.28	1.39	11.85	1.46	12.90	1.51	14.21	1.57
	68.0	6.19	1.22	7.50	1.28	8.81	1.34	10.12	1.40	11.69	1.47	12.74	1.52	14.05	1.58
	70.0	6.10	1.22	7.41	1.28	8.72	1.35	10.03	1.41	11.60	1.48	12.65	1.53	13.96	1.59
	71.6	6.03	1.23	7.34	1.29	8.65	1.35	9.96	1.41	11.53	1.49	12.58	1.53	13.89	1.60
	75.2	5.87	1.24	7.18	1.30	8.49	1.37	9.80	1.43	11.37	1.50	12.42	1.55	13.73	1.61
CTXS12H	60.8	9.14	1.49	10.99	1.56	12.83	1.64	14.67	1.72	16.88	1.81	18.35	1.87	20.19	1.94
	64.4	8.92	1.50	10.76	1.58	12.60	1.66	14.44	1.73	16.65	1.82	18.12	1.89	19.96	1.96
	68.0	8.69	1.52	10.54	1.60	12.38	1.67	14.22	1.75	16.43	1.84	17.90	1.90	19.74	1.98
	70.0	8.57	1.53	10.41	1.61	12.25	1.68	14.09	1.76	16.30	1.85	17.77	1.91	19.61	1.99
	71.6	8.47	1.54	10.31	1.61	12.15	1.69	13.99	1.77	16.20	1.86	17.67	1.92	19.51	1.99
	75.2	8.24	1.55	10.09	1.63	11.93	1.71	13.77	1.78	15.97	1.87	17.45	1.94	18.84	1.93
FDXS12L	60.8	8.58	1.52	10.31	1.60	12.04	1.68	13.77	1.75	15.84	1.85	17.22	1.91	17.69	1.76
	64.4	8.37	1.54	10.10	1.61	11.83	1.69	13.56	1.77	15.63	1.86	16.76	1.88	16.76	1.66
	68.0	8.16	1.55	9.89	1.63	11.62	1.71	13.34	1.79	15.42	1.88	15.83	1.75	15.83	1.55
	70.0	8.04	1.56	9.77	1.64	11.50	1.72	13.23	1.80	15.30	1.89	15.31	1.69	15.31	1.49
	71.6	7.95	1.57	9.68	1.65	11.41	1.73	13.13	1.80	14.90	1.83	14.90	1.63	14.90	1.45
	75.2	7.74	1.59	9.47	1.67	11.19	1.74	12.92	1.82	13.97	1.70	13.97	1.52	13.97	1.34
FTXS15L	60.8	11.39	1.76	13.68	1.85	15.97	1.94	18.27	2.03	21.02	2.14	22.85	2.21	25.14	2.30
	64.4	11.11	1.78	13.40	1.87	15.69	1.96	17.99	2.05	20.74	2.16	22.57	2.23	24.86	2.32
	68.0	10.83	1.80	13.12	1.89	15.41	1.98	17.71	2.07	20.46	2.18	22.29	2.25	24.58	2.34
	70.0	10.67	1.81	12.96	1.90	15.26	1.99	17.55	2.08	20.30	2.19	22.13	2.26	24.43	2.35
	71.6	10.55	1.82	12.84	1.91	15.13	2.00	17.42	2.09	20.18	2.20	22.01	2.27	24.30	2.36
	75.2	10.27	1.84	12.56	1.93	14.85	2.02	17.14	2.11	19.90	2.22	21.73	2.29	23.86	2.35
CDXS15L	60.8	10.44	1.82	12.54	1.91	14.64	2.00	16.74	2.10	19.26	2.21	20.94	2.28	22.52	2.28
	64.4	10.18	1.84	12.28	1.93	14.38	2.02	16.48	2.12	19.00	2.23	20.68	2.30	21.34	2.12
	68.0	9.92	1.86	12.02	1.95	14.12	2.04	16.22	2.14	18.74	2.25	20.15	2.27	20.15	1.97
	70.0	9.78	1.87	11.88	1.96	13.98	2.06	16.08	2.15	18.60	2.26	19.49	2.17	19.49	1.89
	71.6	9.66	1.88	11.76	1.97	13.87	2.06	15.97	2.16	18.49	2.27	18.97	2.09	18.97	1.82
	75.2	9.41	1.90	11.51	1.99	13.61	2.08	15.71	2.18	17.78	2.19	17.78	1.92	17.78	1.68
FTXS18L	60.8	13.69	2.23	16.44	2.34	19.20	2.46	21.95	2.57	25.26	2.71	27.47	2.80	30.22	2.91
	64.4	13.35	2.25	16.11	2.37	18.86	2.48	21.62	2.59	24.92	2.73	27.13	2.82	29.88	2.94
	68.0	13.02	2.28	15.77	2.39	18.53	2.51	21.28	2.62	24.59	2.76	26.79	2.85	28.81	2.81
	70.0	12.83	2.29	15.58	2.40	18.34	2.52	21.09	2.63	24.40	2.77	26.60	2.86	27.87	2.67
	71.6	12.68	2.30	15.43	2.42	18.19	2.53	20.94	2.64	24.25	2.78	26.45	2.87	27.12	2.56
	75.2	12.34	2.33	15.10	2.44	17.85	2.56	20.61	2.67	23.91	2.81	25.42	2.74	25.42	2.33



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CDXS18L	60.8	10.77	1.87	12.94	1.96	15.11	2.06	17.28	2.15	19.88	2.27	21.61	2.34	22.21	2.14
	64.4	10.51	1.89	12.67	1.98	14.84	2.08	17.01	2.17	19.61	2.29	21.04	2.30	21.04	2.00
	68.0	10.24	1.91	12.41	2.00	14.58	2.10	16.75	2.19	19.35	2.31	19.87	2.14	19.87	1.86
	70.0	10.09	1.92	12.26	2.01	14.43	2.11	16.60	2.21	19.20	2.32	19.22	2.05	19.22	1.79
	71.6	9.98	1.93	12.14	2.02	14.31	2.12	16.48	2.21	18.70	2.24	18.70	1.98	18.70	1.73
	75.2	9.71	1.95	11.88	2.04	14.05	2.14	16.22	2.24	17.53	2.06	17.53	1.82	17.53	1.59
CTXS07L + CTXS07L	60.8	10.66	1.38	12.80	1.45	14.95	1.52	17.10	1.60	19.67	1.68	21.39	1.74	23.53	1.81
	64.4	10.40	1.40	12.54	1.47	14.69	1.54	16.83	1.61	19.41	1.70	21.12	1.75	23.27	1.82
	68.0	10.13	1.41	12.28	1.48	14.43	1.56	16.57	1.63	19.15	1.71	20.86	1.77	23.01	1.84
	70.0	9.99	1.42	12.13	1.49	14.28	1.56	16.43	1.64	19.00	1.72	20.72	1.78	22.86	1.85
	71.6	9.87	1.43	12.02	1.50	14.16	1.57	16.31	1.64	18.88	1.73	20.60	1.78	22.75	1.85
	75.2	9.61	1.44	11.76	1.52	13.90	1.59	16.05	1.66	18.62	1.74	20.34	1.80	22.48	1.87
CTXS07L + CTXS09H	60.8	12.17	1.66	14.62	1.74	17.07	1.83	19.53	1.91	22.47	2.01	24.43	2.08	26.88	2.17
	64.4	11.87	1.67	14.33	1.76	16.78	1.84	19.23	1.93	22.17	2.03	24.13	2.10	26.58	2.18
	68.0	11.58	1.69	14.03	1.78	16.48	1.86	18.93	1.95	21.87	2.05	23.83	2.12	26.28	2.20
	70.0	11.41	1.70	13.86	1.79	16.31	1.87	18.76	1.96	21.70	2.06	23.66	2.13	26.11	2.21
	71.6	11.28	1.71	13.73	1.80	16.18	1.88	18.63	1.97	21.57	2.07	23.53	2.14	25.98	2.22
	75.2	10.98	1.73	13.43	1.82	15.88	1.90	18.33	1.99	21.27	2.09	23.23	2.15	25.68	2.24
CTXS07L + FDXS09L	60.8	11.89	1.74	14.29	1.83	16.68	1.91	19.08	2.00	21.95	2.11	23.86	2.18	26.26	2.27
	64.4	11.60	1.76	13.99	1.85	16.39	1.93	18.78	2.02	21.66	2.13	23.57	2.20	25.96	2.29
	68.0	11.31	1.78	13.70	1.86	16.10	1.95	18.49	2.04	21.36	2.15	23.28	2.22	25.67	2.31
	70.0	11.15	1.79	13.54	1.88	15.93	1.96	18.33	2.05	21.20	2.16	23.12	2.23	25.51	2.32
	71.6	11.02	1.80	13.41	1.88	15.80	1.97	18.20	2.06	21.07	2.17	22.98	2.24	25.38	2.33
	75.2	10.72	1.81	13.12	1.90	15.51	1.99	17.90	2.08	20.78	2.19	22.69	2.26	25.09	2.35
CTXS07L + CTXS12H	60.8	14.42	2.11	17.32	2.22	20.22	2.33	23.12	2.44	26.61	2.57	28.93	2.66	31.83	2.76
	64.4	14.06	2.14	16.97	2.25	19.87	2.35	22.77	2.46	26.25	2.59	28.57	2.68	31.48	2.79
	68.0	13.71	2.16	16.61	2.27	19.51	2.38	22.41	2.49	25.90	2.62	28.22	2.70	31.12	2.81
	70.0	13.51	2.18	16.41	2.28	19.32	2.39	22.22	2.50	25.70	2.63	28.02	2.72	30.92	2.82
	71.6	13.35	2.19	16.26	2.29	19.16	2.40	22.06	2.51	25.54	2.64	27.86	2.73	30.77	2.84
	75.2	13.00	2.21	15.90	2.32	18.80	2.43	21.71	2.53	25.19	2.66	27.51	2.75	30.41	2.86
CTXS07L + FDXS12L	60.8	14.08	2.18	16.92	2.29	19.75	2.40	22.58	2.51	25.99	2.65	28.25	2.74	31.09	2.85
	64.4	13.74	2.20	16.57	2.31	19.40	2.43	22.24	2.54	25.64	2.67	27.91	2.76	30.74	2.87
	68.0	13.39	2.23	16.22	2.34	19.06	2.45	21.89	2.56	25.29	2.70	27.56	2.79	30.39	2.90
	70.0	13.20	2.24	16.03	2.35	18.86	2.46	21.70	2.58	25.10	2.71	27.37	2.80	30.20	2.91
	71.6	13.04	2.25	15.88	2.36	18.71	2.48	21.54	2.59	24.95	2.72	27.21	2.81	30.05	2.92
	75.2	12.70	2.28	15.53	2.39	18.36	2.50	21.20	2.61	24.60	2.75	26.87	2.83	29.70	2.95
CTXS07L + FTXS15L	60.8	16.77	2.44	20.15	2.57	23.53	2.69	26.90	2.82	30.96	2.97	33.66	3.07	37.03	3.20
	64.4	16.36	2.47	19.74	2.60	23.11	2.72	26.49	2.85	30.54	3.00	33.24	3.10	36.62	3.22
	68.0	15.95	2.50	19.33	2.62	22.70	2.75	26.08	2.87	30.13	3.02	32.83	3.12	36.21	3.25
	70.0	15.72	2.51	19.10	2.64	22.47	2.76	25.85	2.89	29.90	3.04	32.60	3.14	35.98	3.27
	71.6	15.54	2.53	18.91	2.65	22.29	2.78	25.67	2.90	29.72	3.05	32.42	3.15	35.79	3.28
	75.2	15.12	2.55	18.50	2.68	21.88	2.80	25.25	2.93	29.30	3.08	32.00	3.18	35.38	3.30
CTXS07L + CDXS15L	60.8	16.33	2.65	19.61	2.79	22.90	2.93	26.18	3.06	30.13	3.22	32.76	3.33	36.04	3.47
	64.4	15.92	2.68	19.21	2.82	22.50	2.95	25.78	3.09	29.73	3.25	32.35	3.36	35.64	3.50
	68.0	15.52	2.71	18.81	2.85	22.09	2.98	25.38	3.12	29.32	3.28	31.95	3.39	35.24	3.53
	70.0	15.30	2.73	18.59	2.87	21.87	3.00	25.16	3.14	29.10	3.30	31.73	3.41	35.01	3.54
	71.6	15.12	2.74	18.41	2.88	21.69	3.01	24.98	3.15	28.92	3.31	31.55	3.42	34.84	3.56
	75.2	14.72	2.77	18.00	2.91	21.29	3.04	24.58	3.18	28.52	3.34	31.15	3.45	34.43	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FTXS18L	60.8	17.06	2.49	20.49	2.62	23.92	2.75	27.35	2.88	31.47	3.03	34.22	3.13	37.65	3.26
	64.4	16.64	2.52	20.07	2.65	23.50	2.78	26.93	2.90	31.05	3.06	33.80	3.16	37.23	3.29
	68.0	16.22	2.55	19.65	2.68	23.08	2.80	26.51	2.93	30.63	3.08	33.38	3.19	36.81	3.31
	70.0	15.98	2.56	19.42	2.69	22.85	2.82	26.28	2.95	30.40	3.10	33.15	3.20	36.58	3.33
	71.6	15.80	2.58	19.23	2.70	22.66	2.83	26.09	2.96	30.21	3.11	32.96	3.21	36.39	3.34
	75.2	15.38	2.60	18.81	2.73	22.24	2.86	25.67	2.99	29.79	3.14	32.54	3.24	35.97	3.37
CTXS07L + CDXS18L	60.8	16.66	2.75	20.02	2.89	23.37	3.03	26.72	3.17	30.75	3.34	33.43	3.45	36.78	3.59
	64.4	16.25	2.78	19.61	2.92	22.96	3.06	26.31	3.20	30.34	3.37	33.02	3.48	36.37	3.63
	68.0	15.84	2.81	19.20	2.95	22.55	3.09	25.90	3.23	29.93	3.40	32.61	3.52	35.96	3.66
	70.0	15.61	2.83	18.97	2.97	22.32	3.11	25.68	3.25	29.70	3.42	32.38	3.53	35.74	3.67
	71.6	15.43	2.84	18.79	2.98	22.14	3.12	25.49	3.26	29.52	3.43	32.20	3.55	35.55	3.69
	75.2	15.02	2.87	18.38	3.01	21.73	3.15	25.08	3.30	29.11	3.46	31.79	3.58	35.14	3.72
CTXS09H + CTXS09H	60.8	13.69	1.95	16.44	2.05	19.20	2.15	21.95	2.24	25.26	2.36	27.47	2.44	30.22	2.54
	64.4	13.35	1.97	16.11	2.07	18.86	2.17	21.62	2.27	24.92	2.39	27.13	2.47	29.88	2.57
	68.0	13.02	1.99	15.77	2.09	18.53	2.19	21.28	2.29	24.59	2.41	26.79	2.49	29.55	2.59
	70.0	12.83	2.00	15.58	2.10	18.34	2.20	21.09	2.30	24.40	2.42	26.60	2.50	29.36	2.60
	71.6	12.68	2.01	15.43	2.11	18.19	2.21	20.94	2.31	24.25	2.43	26.45	2.51	29.21	2.61
	75.2	12.34	2.03	15.10	2.13	17.85	2.23	20.61	2.33	23.91	2.45	26.12	2.53	28.87	2.63
CTXS09H + FDXS09L	60.8	13.35	1.99	16.04	2.10	18.73	2.20	21.41	2.30	24.64	2.42	26.79	2.50	29.48	2.61
	64.4	13.02	2.02	15.71	2.12	18.40	2.22	21.09	2.32	24.31	2.45	26.46	2.53	29.15	2.63
	68.0	12.70	2.04	15.38	2.14	18.07	2.24	20.76	2.35	23.98	2.47	26.13	2.55	28.82	2.65
	70.0	12.51	2.05	15.20	2.15	17.89	2.26	20.58	2.36	23.80	2.48	25.95	2.56	28.64	2.66
	71.6	12.37	2.06	15.05	2.16	17.74	2.27	20.43	2.37	23.65	2.49	25.80	2.57	28.49	2.67
	75.2	12.04	2.08	14.73	2.19	17.41	2.29	20.10	2.39	23.33	2.51	25.48	2.59	28.16	2.70
FDXS09L + FDXS09L	60.8	13.02	2.10	15.64	2.21	18.26	2.31	20.87	2.42	24.02	2.55	26.11	2.64	28.73	2.74
	64.4	12.70	2.12	15.32	2.23	17.93	2.34	20.55	2.44	23.70	2.57	25.79	2.66	28.41	2.77
	68.0	12.38	2.15	14.99	2.25	17.61	2.36	20.23	2.47	23.38	2.60	25.47	2.68	28.09	2.79
	70.0	12.20	2.16	14.82	2.27	17.44	2.37	20.06	2.48	23.20	2.61	25.30	2.70	27.92	2.80
	71.6	12.05	2.17	14.67	2.28	17.29	2.38	19.91	2.49	23.06	2.62	25.15	2.71	27.77	2.81
	75.2	11.73	2.19	14.35	2.30	16.97	2.41	19.59	2.51	22.74	2.64	24.83	2.73	27.45	2.84
CTXS09H + CTXS12H	60.8	15.93	2.53	19.14	2.66	22.35	2.79	25.55	2.92	29.40	3.08	31.97	3.18	35.17	3.31
	64.4	15.54	2.56	18.75	2.69	21.95	2.82	25.16	2.95	29.01	3.11	31.58	3.21	34.78	3.34
	68.0	15.15	2.59	18.36	2.72	21.56	2.85	24.77	2.98	28.62	3.13	31.18	3.24	34.39	3.37
	70.0	14.93	2.61	18.14	2.73	21.34	2.86	24.55	2.99	28.40	3.15	30.97	3.25	34.17	3.38
	71.6	14.76	2.62	17.96	2.75	21.17	2.88	24.38	3.01	28.23	3.16	30.79	3.27	34.00	3.40
	75.2	14.36	2.65	17.57	2.78	20.78	2.91	23.99	3.04	27.83	3.19	30.40	3.29	33.61	3.42
CTXS09H + FDXS12L	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51
FDXS09L + CTXS12H	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS09H + FTXS15L	60.8	16.94	2.48	20.35	2.61	23.76	2.74	27.17	2.87	31.27	3.02	33.99	3.12	37.40	3.25
	64.4	16.53	2.51	19.94	2.64	23.35	2.77	26.76	2.89	30.85	3.05	33.58	3.15	36.99	3.28
	68.0	16.11	2.54	19.52	2.67	22.93	2.79	26.34	2.92	30.43	3.07	33.16	3.18	36.57	3.30
	70.0	15.88	2.56	19.29	2.68	22.70	2.81	26.11	2.94	30.20	3.09	32.93	3.19	36.34	3.32
	71.6	15.69	2.57	19.10	2.70	22.51	2.82	25.92	2.95	30.01	3.10	32.74	3.20	36.15	3.33
	75.2	15.28	2.60	18.69	2.72	22.10	2.85	25.51	2.98	29.60	3.13	32.33	3.23	35.74	3.36
CTXS09H + CDXS15L	60.8	16.55	2.70	19.88	2.84	23.21	2.98	26.54	3.12	30.54	3.28	33.21	3.39	36.54	3.53
	64.4	16.14	2.73	19.47	2.87	22.81	3.01	26.14	3.15	30.13	3.31	32.80	3.42	36.13	3.56
	68.0	15.74	2.76	19.07	2.90	22.40	3.04	25.73	3.18	29.73	3.34	32.39	3.45	35.72	3.59
	70.0	15.51	2.78	18.84	2.92	22.17	3.06	25.50	3.19	29.50	3.36	32.16	3.47	35.50	3.61
	71.6	15.33	2.79	18.66	2.93	21.99	3.07	25.32	3.21	29.32	3.37	31.98	3.48	35.31	3.62
	75.2	14.92	2.82	18.25	2.96	21.58	3.10	24.91	3.24	28.91	3.40	31.58	3.51	34.91	3.65
FDXS09L + FTXS15L	60.8	16.55	2.59	19.88	2.72	23.21	2.85	26.54	2.99	30.54	3.15	33.21	3.25	36.54	3.38
	64.4	16.14	2.62	19.47	2.75	22.81	2.88	26.14	3.02	30.13	3.17	32.80	3.28	36.13	3.41
	68.0	15.74	2.65	19.07	2.78	22.40	2.91	25.73	3.04	29.73	3.20	32.39	3.31	35.72	3.44
	70.0	15.51	2.66	18.84	2.80	22.17	2.93	25.50	3.06	29.50	3.22	32.16	3.33	35.50	3.46
	71.6	15.33	2.68	18.66	2.81	21.99	2.94	25.32	3.07	29.32	3.23	31.98	3.34	35.31	3.47
	75.2	14.92	2.70	18.25	2.84	21.58	2.97	24.91	3.10	28.91	3.26	31.58	3.37	34.91	3.50
FDXS09L + CDXS15L	60.8	16.27	2.81	19.54	2.96	22.82	3.10	26.09	3.25	30.02	3.42	32.64	3.53	35.92	3.68
	64.4	15.87	2.85	19.14	2.99	22.42	3.13	25.69	3.28	29.62	3.45	32.24	3.57	35.52	3.71
	68.0	15.47	2.88	18.74	3.02	22.02	3.17	25.29	3.31	29.22	3.48	31.84	3.60	35.12	3.74
	70.0	15.25	2.89	18.52	3.04	21.80	3.18	25.07	3.33	29.00	3.50	31.62	3.62	34.80	3.74
	71.6	15.07	2.91	18.34	3.05	21.62	3.20	24.89	3.34	28.82	3.51	31.44	3.63	33.86	3.55
	75.2	14.67	2.94	17.94	3.08	21.22	3.23	24.49	3.37	28.42	3.55	31.04	3.66	31.75	3.17
CTXS09H + FTXS18L	60.8	17.11	2.49	20.56	2.62	24.00	2.75	27.44	2.88	31.58	3.03	34.33	3.13	37.78	3.26
	64.4	16.69	2.52	20.13	2.65	23.58	2.78	27.02	2.90	31.16	3.06	33.91	3.16	37.35	3.29
	68.0	16.27	2.55	19.71	2.68	23.16	2.80	26.60	2.93	30.73	3.08	33.49	3.19	36.93	3.31
	70.0	16.04	2.56	19.48	2.69	22.92	2.82	26.37	2.95	30.50	3.10	33.26	3.20	36.70	3.33
	71.6	15.85	2.58	19.29	2.70	22.74	2.83	26.18	2.96	30.31	3.11	33.07	3.21	36.51	3.34
	75.2	15.43	2.60	18.87	2.73	22.31	2.86	25.76	2.99	29.89	3.14	32.65	3.24	36.09	3.37
CTXS09H + CDXS18L	60.8	16.83	2.80	20.22	2.94	23.61	3.08	26.99	3.23	31.06	3.40	33.77	3.51	37.16	3.66
	64.4	16.42	2.83	19.80	2.97	23.19	3.12	26.58	3.26	30.64	3.43	33.35	3.55	36.74	3.69
	68.0	16.00	2.86	19.39	3.00	22.78	3.15	26.17	3.29	30.23	3.46	32.94	3.58	36.33	3.72
	70.0	15.77	2.88	19.16	3.02	22.55	3.16	25.93	3.31	30.00	3.48	32.71	3.59	36.10	3.74
	71.6	15.59	2.89	18.98	3.04	22.36	3.18	25.75	3.32	29.82	3.49	32.53	3.61	35.91	3.75
	75.2	15.17	2.92	18.56	3.07	21.95	3.21	25.34	3.35	29.40	3.53	32.11	3.64	35.50	3.78
FDXS09L + FTXS18L	60.8	16.94	2.64	20.35	2.77	23.76	2.91	27.17	3.04	31.27	3.20	33.99	3.31	37.40	3.45
	64.4	16.53	2.67	19.94	2.80	23.35	2.94	26.76	3.07	30.85	3.23	33.58	3.34	36.99	3.48
	68.0	16.11	2.70	19.52	2.83	22.93	2.97	26.34	3.10	30.43	3.26	33.16	3.37	36.57	3.51
	70.0	15.88	2.71	19.29	2.85	22.70	2.98	26.11	3.12	30.20	3.28	32.93	3.39	36.34	3.52
	71.6	15.69	2.73	19.10	2.86	22.51	3.00	25.92	3.13	30.01	3.29	32.74	3.40	36.15	3.54
	75.2	15.28	2.76	18.69	2.89	22.10	3.03	25.51	3.16	29.60	3.32	32.33	3.43	35.74	3.57

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CDXS18L	60.8	16.66	2.97	20.02	3.12	23.37	3.27	26.72	3.42	30.75	3.61	33.43	3.73	36.78	3.88
	64.4	16.25	3.00	19.61	3.15	22.96	3.30	26.31	3.46	30.34	3.64	33.02	3.76	36.37	3.91
	68.0	15.84	3.03	19.20	3.19	22.55	3.34	25.90	3.49	29.93	3.67	32.61	3.79	35.70	3.87
	70.0	15.61	3.05	18.97	3.20	22.32	3.36	25.68	3.51	29.70	3.69	32.38	3.81	34.53	3.64
	71.6	15.43	3.07	18.79	3.22	22.14	3.37	25.49	3.52	29.52	3.70	32.20	3.83	33.60	3.47
	75.2	15.02	3.10	18.38	3.25	21.73	3.40	25.08	3.56	29.11	3.74	31.50	3.77	31.50	3.10
CTXS12H + CTXS12H	60.8	16.83	2.82	20.22	2.97	23.61	3.11	26.99	3.26	31.06	3.43	33.77	3.54	37.16	3.69
	64.4	16.42	2.85	19.80	3.00	23.19	3.14	26.58	3.29	30.64	3.46	33.35	3.58	36.74	3.72
	68.0	16.00	2.89	19.39	3.03	22.78	3.17	26.17	3.32	30.23	3.49	32.94	3.61	36.33	3.75
	70.0	15.77	2.90	19.16	3.05	22.55	3.19	25.93	3.34	30.00	3.51	32.71	3.63	36.10	3.77
	71.6	15.59	2.92	18.98	3.06	22.36	3.21	25.75	3.35	29.82	3.52	32.53	3.64	35.91	3.78
	75.2	15.17	2.95	18.56	3.09	21.95	3.24	25.34	3.38	29.40	3.56	32.11	3.67	35.50	3.82
FDXS12L + CTXS12H	60.8	15.88	2.69	19.07	2.83	22.27	2.97	25.46	3.11	29.30	3.27	31.86	3.38	35.05	3.52
	64.4	15.49	2.72	18.68	2.86	21.88	3.00	25.07	3.14	28.91	3.30	31.46	3.41	34.66	3.55
	68.0	15.10	2.75	18.29	2.89	21.49	3.03	24.68	3.17	28.52	3.33	31.07	3.44	34.27	3.58
	70.0	14.88	2.77	18.07	2.91	21.27	3.05	24.47	3.18	28.30	3.35	30.86	3.46	34.05	3.60
	71.6	14.70	2.78	17.90	2.92	21.10	3.06	24.29	3.20	28.13	3.36	30.68	3.47	33.88	3.61
	75.2	14.31	2.81	17.51	2.95	20.71	3.09	23.90	3.23	27.74	3.39	30.29	3.50	32.80	3.47
FDXS12L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS12H + FTXS15L	60.8	17.11	2.58	20.56	2.71	24.00	2.85	27.44	2.98	31.58	3.14	34.33	3.24	37.78	3.37
	64.4	16.69	2.61	20.13	2.74	23.58	2.87	27.02	3.01	31.16	3.17	33.91	3.27	37.35	3.40
	68.0	16.27	2.64	19.71	2.77	23.16	2.90	26.60	3.04	30.73	3.19	33.49	3.30	36.93	3.43
	70.0	16.04	2.65	19.48	2.79	22.92	2.92	26.37	3.05	30.50	3.21	33.26	3.32	36.70	3.45
	71.6	15.85	2.67	19.29	2.80	22.74	2.93	26.18	3.06	30.31	3.22	33.07	3.33	36.51	3.46
	75.2	15.43	2.70	18.87	2.83	22.31	2.96	25.76	3.09	29.89	3.25	32.65	3.36	36.09	3.49
CTXS12H + CDXS15L	60.8	17.00	2.85	20.42	2.99	23.84	3.14	27.26	3.28	31.37	3.46	34.11	3.58	37.53	3.72
	64.4	16.58	2.88	20.00	3.02	23.42	3.17	26.85	3.32	30.95	3.49	33.69	3.61	37.11	3.75
	68.0	16.16	2.91	19.58	3.06	23.01	3.20	26.43	3.35	30.53	3.52	33.27	3.64	36.69	3.78
	70.0	15.93	2.93	19.35	3.07	22.77	3.22	26.19	3.37	30.30	3.54	33.04	3.66	36.46	3.80
	71.6	15.74	2.94	19.17	3.09	22.59	3.23	26.01	3.38	30.11	3.55	32.85	3.67	36.27	3.82
	75.2	15.33	2.97	18.75	3.12	22.17	3.27	25.59	3.41	29.70	3.59	32.43	3.70	35.85	3.85
FDXS12L + FTXS15L	60.8	17.00	2.73	20.42	2.87	23.84	3.01	27.26	3.15	31.37	3.32	34.11	3.43	37.53	3.57
	64.4	16.58	2.76	20.00	2.90	23.42	3.04	26.85	3.18	30.95	3.35	33.69	3.46	37.11	3.60
	68.0	16.16	2.79	19.58	2.93	23.01	3.07	26.43	3.21	30.53	3.38	33.27	3.49	36.69	3.64
	70.0	15.93	2.81	19.35	2.95	22.77	3.09	26.19	3.23	30.30	3.40	33.04	3.51	36.46	3.65
	71.6	15.74	2.83	19.17	2.97	22.59	3.11	26.01	3.25	30.11	3.41	32.85	3.53	36.27	3.67
	75.2	15.33	2.86	18.75	3.00	22.17	3.14	25.59	3.28	29.70	3.44	32.43	3.56	35.85	3.70
FDXS12L + CDXS15L	60.8	16.83	3.02	20.22	3.17	23.61	3.32	26.99	3.48	31.06	3.66	33.77	3.79	37.16	3.94
	64.4	16.42	3.05	19.80	3.20	23.19	3.36	26.58	3.51	30.64	3.70	33.35	3.82	36.74	3.97
	68.0	16.00	3.08	19.39	3.24	22.78	3.39	26.17	3.55	30.23	3.73	32.94	3.85	35.98	3.91
	70.0	15.77	3.10	19.16	3.26	22.55	3.41	25.93	3.56	30.00	3.75	32.71	3.87	34.80	3.68
	71.6	15.59	3.12	18.98	3.27	22.36	3.43	25.75	3.58	29.82	3.77	32.53	3.89	33.86	3.50
	75.2	15.17	3.15	18.56	3.30	21.95	3.46	25.34	3.61	29.40	3.80	31.75	3.81	31.75	3.13

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FTXS18L	60.8	17.34	2.58	20.82	2.71	24.31	2.85	27.80	2.98	31.99	3.14	34.78	3.24	38.27	3.37
	64.4	16.91	2.61	20.40	2.74	23.89	2.87	27.38	3.01	31.56	3.17	34.36	3.27	37.84	3.40
	68.0	16.48	2.64	19.97	2.77	23.46	2.90	26.95	3.04	31.14	3.19	33.93	3.30	37.42	3.43
	70.0	16.25	2.65	19.73	2.79	23.22	2.92	26.71	3.05	30.90	3.21	33.69	3.32	37.18	3.45
	71.6	16.06	2.67	19.55	2.80	23.03	2.93	26.52	3.06	30.71	3.22	33.50	3.33	36.99	3.46
	75.2	15.63	2.70	19.12	2.83	22.61	2.96	26.10	3.09	30.28	3.25	33.08	3.36	36.56	3.49
CTXS12H + CDXS18L	60.8	17.00	2.85	20.42	2.99	23.84	3.14	27.26	3.28	31.37	3.46	34.11	3.58	37.53	3.72
	64.4	16.58	2.88	20.00	3.02	23.42	3.17	26.85	3.32	30.95	3.49	33.69	3.61	37.11	3.75
	68.0	16.16	2.91	19.58	3.06	23.01	3.20	26.43	3.35	30.53	3.52	33.27	3.64	36.69	3.78
	70.0	15.93	2.93	19.35	3.07	22.77	3.22	26.19	3.37	30.30	3.54	33.04	3.66	36.46	3.80
	71.6	15.74	2.94	19.17	3.09	22.59	3.23	26.01	3.38	30.11	3.55	32.85	3.67	36.27	3.82
	75.2	15.33	2.97	18.75	3.12	22.17	3.27	25.59	3.41	29.70	3.59	32.43	3.70	35.85	3.85
FDXS12L + FTXS18L	60.8	17.00	2.64	20.42	2.77	23.84	2.91	27.26	3.04	31.37	3.20	34.11	3.31	37.53	3.45
	64.4	16.58	2.67	20.00	2.80	23.42	2.94	26.85	3.07	30.95	3.23	33.69	3.34	37.11	3.48
	68.0	16.16	2.70	19.58	2.83	23.01	2.97	26.43	3.10	30.53	3.26	33.27	3.37	36.69	3.51
	70.0	15.93	2.71	19.35	2.85	22.77	2.98	26.19	3.12	30.30	3.28	33.04	3.39	36.46	3.52
	71.6	15.74	2.73	19.17	2.86	22.59	3.00	26.01	3.13	30.11	3.29	32.85	3.40	36.27	3.54
	75.2	15.33	2.76	18.75	2.89	22.17	3.03	25.59	3.16	29.70	3.32	32.43	3.43	35.85	3.57
FDXS12L + CDXS18L	60.8	16.61	2.97	19.95	3.12	23.29	3.27	26.63	3.42	30.64	3.61	33.32	3.73	36.66	3.88
	64.4	16.20	3.00	19.54	3.15	22.88	3.30	26.22	3.46	30.24	3.64	32.91	3.76	36.25	3.91
	68.0	15.79	3.03	19.13	3.19	22.47	3.34	25.82	3.49	29.83	3.67	32.50	3.79	35.70	3.91
	70.0	15.56	3.05	18.90	3.20	22.25	3.36	25.59	3.51	29.60	3.69	32.27	3.81	34.53	3.67
	71.6	15.38	3.07	18.72	3.22	22.07	3.37	25.41	3.52	29.42	3.70	32.09	3.83	33.60	3.49
	75.2	14.97	3.10	18.31	3.25	21.66	3.40	25.00	3.56	29.01	3.74	31.50	3.80	31.50	3.12
FTXS15L + FTXS15L	60.8	17.45	2.39	20.96	2.51	24.47	2.63	27.98	2.75	32.20	2.90	35.01	3.00	38.52	3.12
	64.4	17.02	2.41	20.53	2.54	24.04	2.66	27.55	2.78	31.77	2.93	34.58	3.03	38.09	3.15
	68.0	16.59	2.44	20.10	2.56	23.61	2.69	27.12	2.81	31.34	2.96	34.15	3.05	37.66	3.18
	70.0	16.35	2.46	19.86	2.58	23.37	2.70	26.89	2.82	31.10	2.97	33.91	3.07	37.42	3.19
	71.6	16.16	2.47	19.67	2.59	23.18	2.71	26.70	2.84	30.91	2.98	33.72	3.08	37.23	3.20
	75.2	15.73	2.49	19.24	2.62	22.75	2.74	26.27	2.86	30.48	3.01	33.29	3.11	36.80	3.23
CDXS15L + FTXS15L	60.8	17.17	2.57	20.62	2.70	24.08	2.84	27.53	2.97	31.68	3.13	34.44	3.23	37.90	3.36
	64.4	16.74	2.60	20.20	2.73	23.66	2.87	27.11	3.00	31.26	3.16	34.02	3.26	37.48	3.39
	68.0	16.32	2.63	19.78	2.76	23.23	2.89	26.69	3.03	30.83	3.18	33.60	3.29	37.05	3.42
	70.0	16.09	2.65	19.54	2.78	23.00	2.91	26.45	3.04	30.60	3.20	33.36	3.31	36.82	3.44
	71.6	15.90	2.66	19.36	2.79	22.81	2.92	26.27	3.05	30.41	3.21	33.18	3.32	36.63	3.45
	75.2	15.48	2.69	18.93	2.82	22.39	2.95	25.84	3.08	29.99	3.24	32.75	3.35	36.21	3.48
CDXS15L + CDXS15L	60.8	16.94	2.82	20.35	2.97	23.76	3.11	27.17	3.26	31.27	3.43	33.99	3.54	37.40	3.69
	64.4	16.53	2.85	19.94	3.00	23.35	3.14	26.76	3.29	30.85	3.46	33.58	3.58	36.99	3.72
	68.0	16.11	2.89	19.52	3.03	22.93	3.17	26.34	3.32	30.43	3.49	33.16	3.61	36.57	3.75
	70.0	15.88	2.90	19.29	3.05	22.70	3.19	26.11	3.34	30.20	3.51	32.93	3.63	36.34	3.77
	71.6	15.69	2.92	19.10	3.06	22.51	3.21	25.92	3.35	30.01	3.52	32.74	3.64	36.15	3.78
	75.2	15.28	2.95	18.69	3.09	22.10	3.24	25.51	3.38	29.60	3.56	32.33	3.67	35.56	3.77
FTXS15L + FTXS18L	60.8	17.67	2.40	21.23	2.53	24.79	2.65	28.34	2.77	32.61	2.92	35.46	3.02	39.01	3.14
	64.4	17.24	2.43	20.79	2.55	24.35	2.68	27.91	2.80	32.18	2.95	35.02	3.05	38.58	3.17
	68.0	16.80	2.46	20.36	2.58	23.92	2.70	27.47	2.83	31.74	2.98	34.59	3.07	38.14	3.20
	70.0	16.56	2.47	20.12	2.60	23.67	2.72	27.23	2.84	31.50	2.99	34.35	3.09	37.90	3.21
	71.6	16.37	2.48	19.92	2.61	23.48	2.73	27.04	2.85	31.31	3.00	34.15	3.10	37.71	3.22
	75.2	15.93	2.51	19.49	2.63	23.05	2.76	26.60	2.88	30.87	3.03	33.72	3.13	37.27	3.25

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FTXS15L + CDXS18L	60.8	17.34	2.62	20.82	2.76	24.31	2.89	27.80	3.02	31.99	3.18	34.78	3.29	38.27	3.43
	64.4	16.91	2.65	20.40	2.78	23.89	2.92	27.38	3.05	31.56	3.21	34.36	3.32	37.84	3.46
	68.0	16.48	2.68	19.97	2.81	23.46	2.95	26.95	3.08	31.14	3.24	33.93	3.35	37.42	3.49
	70.0	16.25	2.70	19.73	2.83	23.22	2.96	26.71	3.10	30.90	3.26	33.69	3.37	37.18	3.50
	71.6	16.06	2.71	19.55	2.84	23.03	2.98	26.52	3.11	30.71	3.27	33.50	3.38	36.99	3.51
	75.2	15.63	2.74	19.12	2.87	22.61	3.01	26.10	3.14	30.28	3.30	33.08	3.41	36.56	3.54
CDXS15L + FTXS18L	60.8	17.34	2.58	20.82	2.71	24.31	2.85	27.80	2.98	31.99	3.14	34.78	3.24	38.27	3.37
	64.4	16.91	2.61	20.40	2.74	23.89	2.87	27.38	3.01	31.56	3.17	34.36	3.27	37.84	3.40
	68.0	16.48	2.64	19.97	2.77	23.46	2.90	26.95	3.04	31.14	3.19	33.93	3.30	37.42	3.43
	70.0	16.25	2.65	19.73	2.79	23.22	2.92	26.71	3.05	30.90	3.21	33.69	3.32	37.18	3.45
	71.6	16.06	2.67	19.55	2.80	23.03	2.93	26.52	3.06	30.71	3.22	33.50	3.33	36.99	3.46
	75.2	15.63	2.70	19.12	2.83	22.61	2.96	26.10	3.09	30.28	3.25	33.08	3.36	36.56	3.49
CDXS15L + CDXS18L	60.8	17.11	2.87	20.56	3.02	24.00	3.16	27.44	3.31	31.58	3.49	34.33	3.61	37.78	3.75
	64.4	16.69	2.90	20.13	3.05	23.58	3.20	27.02	3.34	31.16	3.52	33.91	3.64	37.35	3.78
	68.0	16.27	2.93	19.71	3.08	23.16	3.23	26.60	3.38	30.73	3.55	33.49	3.67	36.93	3.82
	70.0	16.04	2.95	19.48	3.10	22.92	3.25	26.37	3.39	30.50	3.57	33.26	3.69	36.70	3.83
	71.6	15.85	2.97	19.29	3.11	22.74	3.26	26.18	3.41	30.31	3.58	33.07	3.70	36.51	3.85
	75.2	15.43	3.00	18.87	3.15	22.31	3.29	25.76	3.44	29.89	3.62	32.65	3.73	35.31	3.68
FTXS18L + FTXS18L	60.8	17.84	2.42	21.43	2.54	25.02	2.67	28.61	2.79	32.92	2.94	35.79	3.04	39.39	3.16
	64.4	17.40	2.45	20.99	2.57	24.58	2.70	28.17	2.82	32.48	2.97	35.36	3.07	38.95	3.19
	68.0	16.96	2.47	20.55	2.60	24.14	2.72	27.73	2.85	32.04	2.99	34.92	3.09	38.51	3.22
	70.0	16.72	2.49	20.31	2.61	23.90	2.74	27.49	2.86	31.80	3.01	34.67	3.11	38.26	3.23
	71.6	16.52	2.50	20.11	2.63	23.71	2.75	27.30	2.87	31.60	3.02	34.48	3.12	38.07	3.25
	75.2	16.08	2.53	19.68	2.65	23.27	2.78	26.86	2.90	31.17	3.05	34.04	3.15	37.63	3.27
CDXS18L + FTXS18L	60.8	17.45	2.63	20.96	2.76	24.47	2.90	27.98	3.03	32.20	3.19	35.01	3.30	38.52	3.44
	64.4	17.02	2.66	20.53	2.79	24.04	2.93	27.55	3.06	31.77	3.22	34.58	3.33	38.09	3.47
	68.0	16.59	2.69	20.10	2.82	23.61	2.96	27.12	3.09	31.34	3.25	34.15	3.36	37.66	3.50
	70.0	16.35	2.70	19.86	2.84	23.37	2.97	26.89	3.11	31.10	3.27	33.91	3.38	37.42	3.51
	71.6	16.16	2.72	19.67	2.85	23.18	2.99	26.70	3.12	30.91	3.28	33.72	3.39	37.23	3.53
	75.2	15.73	2.75	19.24	2.88	22.75	3.02	26.27	3.15	30.48	3.31	33.29	3.42	36.80	3.55
CDXS18L + CDXS18L	60.8	17.22	2.92	20.69	3.07	24.16	3.22	27.62	3.37	31.78	3.55	34.56	3.67	38.02	3.82
	64.4	16.80	2.95	20.27	3.10	23.73	3.25	27.20	3.40	31.36	3.58	34.13	3.70	37.60	3.85
	68.0	16.38	2.98	19.84	3.13	23.31	3.28	26.78	3.43	30.94	3.61	33.71	3.73	37.18	3.88
	70.0	16.14	3.00	19.61	3.15	23.07	3.30	26.54	3.45	30.70	3.63	33.47	3.75	36.94	3.90
	71.6	15.95	3.02	19.42	3.17	22.89	3.32	26.35	3.47	30.51	3.64	33.28	3.76	36.75	3.91
	75.2	15.53	3.05	18.99	3.20	22.46	3.35	25.93	3.50	30.09	3.68	32.86	3.80	35.07	3.62
CTXS07L + CTXS07L + CTXS07L	60.8	15.93	1.98	19.14	2.08	22.35	2.18	25.55	2.28	29.40	2.40	31.97	2.48	35.17	2.59
	64.4	15.54	2.00	18.75	2.10	21.95	2.20	25.16	2.30	29.01	2.43	31.58	2.51	34.78	2.61
	68.0	15.15	2.02	18.36	2.12	21.56	2.22	24.77	2.33	28.62	2.45	31.18	2.53	34.39	2.63
	70.0	14.93	2.03	18.14	2.14	21.34	2.24	24.55	2.34	28.40	2.46	30.97	2.54	34.17	2.64
	71.6	14.76	2.04	17.96	2.15	21.17	2.25	24.38	2.35	28.23	2.47	30.79	2.55	34.00	2.65
	75.2	14.36	2.07	17.57	2.17	20.78	2.27	23.99	2.37	27.83	2.49	30.40	2.57	33.61	2.67
CTXS07L + CTXS07L + CTXS09H	60.8	16.38	2.06	19.68	2.16	22.98	2.27	26.27	2.37	30.23	2.50	32.87	2.59	36.17	2.69
	64.4	15.98	2.08	19.28	2.19	22.57	2.29	25.87	2.40	29.83	2.52	32.46	2.61	35.76	2.71
	68.0	15.58	2.10	18.87	2.21	22.17	2.32	25.47	2.42	29.42	2.55	32.06	2.63	35.36	2.74
	70.0	15.35	2.12	18.65	2.22	21.95	2.33	25.24	2.43	29.20	2.56	31.84	2.64	35.13	2.75
	71.6	15.17	2.13	18.47	2.23	21.77	2.34	25.06	2.44	29.02	2.57	31.66	2.65	34.96	2.76
	75.2	14.77	2.15	18.07	2.26	21.36	2.36	24.66	2.47	28.62	2.59	31.26	2.68	34.55	2.78

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS09L	60.8	15.99	2.08	19.21	2.19	22.43	2.30	25.64	2.40	29.51	2.53	32.08	2.62	35.30	2.72
	64.4	15.60	2.11	18.81	2.21	22.03	2.32	25.25	2.43	29.11	2.55	31.69	2.64	34.90	2.75
	68.0	15.20	2.13	18.42	2.24	21.64	2.34	24.86	2.45	28.72	2.58	31.29	2.66	34.51	2.77
	70.0	14.98	2.14	18.20	2.25	21.42	2.36	24.64	2.46	28.50	2.59	31.07	2.68	34.29	2.78
	71.6	14.81	2.15	18.03	2.26	21.25	2.37	24.46	2.47	28.33	2.60	30.90	2.69	34.12	2.79
	75.2	14.42	2.18	17.63	2.28	20.85	2.39	24.07	2.50	27.93	2.62	30.51	2.71	33.72	2.82
CTXS07L + CTXS07L + CTXS12H	60.8	16.94	2.18	20.35	2.29	23.76	2.40	27.17	2.51	31.27	2.65	33.99	2.74	37.40	2.85
	64.4	16.53	2.20	19.94	2.31	23.35	2.43	26.76	2.54	30.85	2.67	33.58	2.76	36.99	2.87
	68.0	16.11	2.23	19.52	2.34	22.93	2.45	26.34	2.56	30.43	2.70	33.16	2.79	36.57	2.90
	70.0	15.88	2.24	19.29	2.35	22.70	2.46	26.11	2.58	30.20	2.71	32.93	2.80	36.34	2.91
	71.6	15.69	2.25	19.10	2.36	22.51	2.48	25.92	2.59	30.01	2.72	32.74	2.81	36.15	2.92
	75.2	15.28	2.28	18.69	2.39	22.10	2.50	25.51	2.61	29.60	2.75	32.33	2.83	35.74	2.95
CTXS07L + CTXS07L + FDXS12L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS07L + CTXS07L + FTXS15L	60.8	17.22	2.10	20.69	2.21	24.16	2.31	27.62	2.42	31.78	2.55	34.56	2.64	38.02	2.74
	64.4	16.80	2.12	20.27	2.23	23.73	2.34	27.20	2.44	31.36	2.57	34.13	2.66	37.60	2.77
	68.0	16.38	2.15	19.84	2.25	23.31	2.36	26.78	2.47	30.94	2.60	33.71	2.68	37.18	2.79
	70.0	16.14	2.16	19.61	2.27	23.07	2.37	26.54	2.48	30.70	2.61	33.47	2.70	36.94	2.80
	71.6	15.95	2.17	19.42	2.28	22.89	2.38	26.35	2.49	30.51	2.62	33.28	2.71	36.75	2.81
	75.2	15.53	2.19	18.99	2.30	22.46	2.41	25.93	2.51	30.09	2.64	32.86	2.73	36.33	2.84
CTXS07L + CTXS07L + CDXS15L	60.8	16.94	2.24	20.35	2.36	23.76	2.47	27.17	2.59	31.27	2.73	33.99	2.82	37.40	2.93
	64.4	16.53	2.27	19.94	2.38	23.35	2.50	26.76	2.61	30.85	2.75	33.58	2.84	36.99	2.96
	68.0	16.11	2.29	19.52	2.41	22.93	2.52	26.34	2.64	30.43	2.78	33.16	2.87	36.57	2.98
	70.0	15.88	2.31	19.29	2.42	22.70	2.54	26.11	2.65	30.20	2.79	32.93	2.88	36.34	3.00
	71.6	15.69	2.32	19.10	2.43	22.51	2.55	25.92	2.66	30.01	2.80	32.74	2.89	36.15	3.01
	75.2	15.28	2.34	18.69	2.46	22.10	2.57	25.51	2.69	29.60	2.83	32.33	2.92	35.74	3.03
CTXS07L + CTXS07L + FTXS18L	60.8	17.45	2.16	20.96	2.27	24.47	2.38	27.98	2.50	32.20	2.63	35.01	2.72	38.52	2.83
	64.4	17.02	2.19	20.53	2.30	24.04	2.41	27.55	2.52	31.77	2.65	34.58	2.74	38.09	2.85
	68.0	16.59	2.21	20.10	2.32	23.61	2.43	27.12	2.54	31.34	2.68	34.15	2.77	37.66	2.88
	70.0	16.35	2.22	19.86	2.34	23.37	2.45	26.89	2.56	31.10	2.69	33.91	2.78	37.42	2.89
	71.6	16.16	2.24	19.67	2.35	23.18	2.46	26.70	2.57	30.91	2.70	33.72	2.79	37.23	2.90
	75.2	15.73	2.26	19.24	2.37	22.75	2.48	26.27	2.59	30.48	2.73	33.29	2.81	36.80	2.92
CTXS07L + CTXS07L + CDXS18L	60.8	17.28	2.32	20.76	2.44	24.24	2.56	27.71	2.68	31.89	2.82	34.67	2.92	38.15	3.04
	64.4	16.85	2.35	20.33	2.47	23.81	2.59	27.29	2.71	31.46	2.85	34.24	2.94	37.72	3.06
	68.0	16.43	2.38	19.91	2.49	23.38	2.61	26.86	2.73	31.04	2.88	33.82	2.97	37.30	3.09
	70.0	16.19	2.39	19.67	2.51	23.15	2.63	26.63	2.75	30.80	2.89	33.58	2.99	37.06	3.10
	71.6	16.00	2.40	19.48	2.52	22.96	2.64	26.44	2.76	30.61	2.90	33.39	3.00	36.87	3.12
	75.2	15.58	2.43	19.06	2.55	22.53	2.67	26.01	2.78	30.19	2.93	32.97	3.02	36.45	3.14
CTXS07L + CTXS09H + CTXS09H	60.8	16.83	2.18	20.22	2.29	23.61	2.40	26.99	2.51	31.06	2.65	33.77	2.74	37.16	2.85
	64.4	16.42	2.20	19.80	2.31	23.19	2.43	26.58	2.54	30.64	2.67	33.35	2.76	36.74	2.87
	68.0	16.00	2.23	19.39	2.34	22.78	2.45	26.17	2.56	30.23	2.70	32.94	2.79	36.33	2.90
	70.0	15.77	2.24	19.16	2.35	22.55	2.46	25.93	2.58	30.00	2.71	32.71	2.80	36.10	2.91
	71.6	15.59	2.25	18.98	2.36	22.36	2.48	25.75	2.59	29.82	2.72	32.53	2.81	35.91	2.92
	75.2	15.17	2.28	18.56	2.39	21.95	2.50	25.34	2.61	29.40	2.75	32.11	2.83	35.50	2.95

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + FDXS09L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS07L + CTXS09L + FDXS09L	60.8	16.55	2.37	19.88	2.49	23.21	2.61	26.54	2.74	30.54	2.88	33.21	2.98	36.54	3.10
	64.4	16.14	2.40	19.47	2.52	22.81	2.64	26.14	2.76	30.13	2.91	32.80	3.01	36.13	3.13
	68.0	15.74	2.43	19.07	2.55	22.40	2.67	25.73	2.79	29.73	2.94	32.39	3.03	35.72	3.15
	70.0	15.51	2.44	18.84	2.56	22.17	2.68	25.50	2.80	29.50	2.95	32.16	3.05	35.50	3.17
	71.6	15.33	2.45	18.66	2.57	21.99	2.69	25.32	2.82	29.32	2.96	31.98	3.06	35.31	3.18
	75.2	14.92	2.48	18.25	2.60	21.58	2.72	24.91	2.84	28.91	2.99	31.58	3.09	34.91	3.21
CTXS07L + CTXS09H + CTXS12H	60.8	17.06	2.22	20.49	2.33	23.92	2.45	27.35	2.56	31.47	2.70	34.22	2.79	37.65	2.90
	64.4	16.64	2.24	20.07	2.36	23.50	2.47	26.93	2.58	31.05	2.72	33.80	2.81	37.23	2.93
	68.0	16.22	2.27	19.65	2.38	23.08	2.50	26.51	2.61	30.63	2.75	33.38	2.84	36.81	2.95
	70.0	15.98	2.28	19.42	2.40	22.85	2.51	26.28	2.62	30.40	2.76	33.15	2.85	36.58	2.96
	71.6	15.80	2.29	19.23	2.41	22.66	2.52	26.09	2.63	30.21	2.77	32.96	2.86	36.39	2.98
	75.2	15.38	2.32	18.81	2.43	22.24	2.55	25.67	2.66	29.79	2.80	32.54	2.89	35.97	3.00
CTXS07L + CTXS09H + FDXS12L	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS07L + FDXS09L + CTXS12H	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS07L + CTXS09L + FDXS12L	60.8	16.72	2.42	20.08	2.54	23.45	2.67	26.81	2.79	30.85	2.94	33.54	3.04	36.91	3.16
	64.4	16.31	2.45	19.67	2.57	23.04	2.70	26.40	2.82	30.44	2.97	33.13	3.07	36.50	3.19
	68.0	15.90	2.47	19.26	2.60	22.63	2.72	25.99	2.85	30.03	2.99	32.72	3.09	36.09	3.22
	70.0	15.67	2.49	19.03	2.61	22.40	2.74	25.76	2.86	29.80	3.01	32.49	3.11	35.86	3.23
	71.6	15.48	2.50	18.85	2.63	22.21	2.75	25.58	2.87	29.62	3.02	32.31	3.12	35.67	3.25
	75.2	15.07	2.53	18.44	2.65	21.80	2.78	25.17	2.90	29.21	3.05	31.90	3.15	35.26	3.27
CTXS07L + CTXS09H + FTXS15L	60.8	17.34	2.14	20.82	2.25	24.31	2.36	27.80	2.47	31.99	2.60	34.78	2.69	38.27	2.80
	64.4	16.91	2.16	20.40	2.27	23.89	2.38	27.38	2.49	31.56	2.62	34.36	2.71	37.84	2.82
	68.0	16.48	2.19	19.97	2.30	23.46	2.41	26.95	2.52	31.14	2.65	33.93	2.73	37.42	2.84
	70.0	16.25	2.20	19.73	2.31	23.22	2.42	26.71	2.53	30.90	2.66	33.69	2.75	37.18	2.86
	71.6	16.06	2.21	19.55	2.32	23.03	2.43	26.52	2.54	30.71	2.67	33.50	2.76	36.99	2.87
	75.2	15.63	2.23	19.12	2.34	22.61	2.45	26.10	2.56	30.28	2.69	33.08	2.78	36.56	2.89
CTXS07L + CTXS09H + CDXS15L	60.8	17.06	2.28	20.49	2.40	23.92	2.52	27.35	2.63	31.47	2.77	34.22	2.87	37.65	2.99
	64.4	16.64	2.31	20.07	2.43	23.50	2.54	26.93	2.66	31.05	2.80	33.80	2.89	37.23	3.01
	68.0	16.22	2.33	19.65	2.45	23.08	2.57	26.51	2.69	30.63	2.83	33.38	2.92	36.81	3.04
	70.0	15.98	2.35	19.42	2.47	22.85	2.58	26.28	2.70	30.40	2.84	33.15	2.93	36.58	3.05
	71.6	15.80	2.36	19.23	2.48	22.66	2.59	26.09	2.71	30.21	2.85	32.96	2.94	36.39	3.06
	75.2	15.38	2.39	18.81	2.50	22.24	2.62	25.67	2.74	29.79	2.88	32.54	2.97	35.97	3.09



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FTXS15L	60.8	17.06	2.19	20.49	2.31	23.92	2.42	27.35	2.53	31.47	2.67	34.22	2.76	37.65	2.87
	64.4	16.64	2.22	20.07	2.33	23.50	2.44	26.93	2.56	31.05	2.69	33.80	2.78	37.23	2.89
	68.0	16.22	2.24	19.65	2.36	23.08	2.47	26.51	2.58	30.63	2.72	33.38	2.81	36.81	2.92
	70.0	15.98	2.26	19.42	2.37	22.85	2.48	26.28	2.60	30.40	2.73	33.15	2.82	36.58	2.93
	71.6	15.80	2.27	19.23	2.38	22.66	2.49	26.09	2.61	30.21	2.74	32.96	2.83	36.39	2.94
	75.2	15.38	2.29	18.81	2.41	22.24	2.52	25.67	2.63	29.79	2.77	32.54	2.86	35.97	2.97
CTXS07L + FDXS09L + CDXS15L	60.8	16.83	2.35	20.22	2.47	23.61	2.59	26.99	2.71	31.06	2.85	33.77	2.95	37.16	3.07
	64.4	16.42	2.37	19.80	2.49	23.19	2.61	26.58	2.73	30.64	2.88	33.35	2.98	36.74	3.10
	68.0	16.00	2.40	19.39	2.52	22.78	2.64	26.17	2.76	30.23	2.91	32.94	3.00	36.33	3.12
	70.0	15.77	2.41	19.16	2.54	22.55	2.66	25.93	2.78	30.00	2.92	32.71	3.02	36.10	3.14
	71.6	15.59	2.43	18.98	2.55	22.36	2.67	25.75	2.79	29.82	2.93	32.53	3.03	35.91	3.15
	75.2	15.17	2.45	18.56	2.57	21.95	2.69	25.34	2.81	29.40	2.96	32.11	3.05	35.50	3.17
CTXS07L + CTXS09H + FTXS18L	60.8	17.56	2.16	21.09	2.27	24.63	2.38	28.16	2.50	32.40	2.63	35.23	2.72	38.77	2.83
	64.4	17.13	2.19	20.66	2.30	24.20	2.41	27.73	2.52	31.97	2.65	34.80	2.74	38.33	2.85
	68.0	16.70	2.21	20.23	2.32	23.76	2.43	27.30	2.54	31.54	2.68	34.37	2.77	37.90	2.88
	70.0	16.46	2.22	19.99	2.34	23.52	2.45	27.06	2.56	31.30	2.69	34.13	2.78	37.66	2.89
	71.6	16.26	2.24	19.80	2.35	23.33	2.46	26.87	2.57	31.11	2.70	33.94	2.79	37.47	2.90
	75.2	15.83	2.26	19.37	2.37	22.90	2.48	26.43	2.59	30.68	2.73	33.50	2.81	37.04	2.92
CTXS07L + CTXS09H + CDXS18L	60.8	17.22	2.32	20.69	2.44	24.16	2.56	27.62	2.68	31.78	2.82	34.56	2.92	38.02	3.04
	64.4	16.80	2.35	20.27	2.47	23.73	2.59	27.20	2.71	31.36	2.85	34.13	2.94	37.60	3.06
	68.0	16.38	2.38	19.84	2.49	23.31	2.61	26.78	2.73	30.94	2.88	33.71	2.97	37.18	3.09
	70.0	16.14	2.39	19.61	2.51	23.07	2.63	26.54	2.75	30.70	2.89	33.47	2.99	36.94	3.10
	71.6	15.95	2.40	19.42	2.52	22.89	2.64	26.35	2.76	30.51	2.90	33.28	3.00	36.75	3.12
	75.2	15.53	2.43	18.99	2.55	22.46	2.67	25.93	2.78	30.09	2.93	32.86	3.02	36.33	3.14
CTXS07L + FDXS09L + FTXS18L	60.8	17.22	2.21	20.69	2.32	24.16	2.44	27.62	2.55	31.78	2.69	34.56	2.78	38.02	2.89
	64.4	16.80	2.24	20.27	2.35	23.73	2.46	27.20	2.58	31.36	2.71	34.13	2.80	37.60	2.92
	68.0	16.38	2.26	19.84	2.37	23.31	2.49	26.78	2.60	30.94	2.74	33.71	2.83	37.18	2.94
	70.0	16.14	2.27	19.61	2.39	23.07	2.50	26.54	2.61	30.70	2.75	33.47	2.84	36.94	2.95
	71.6	15.95	2.29	19.42	2.40	22.89	2.51	26.35	2.63	30.51	2.76	33.28	2.85	36.75	2.96
	75.2	15.53	2.31	18.99	2.42	22.46	2.54	25.93	2.65	30.09	2.79	32.86	2.88	36.33	2.99
CTXS07L + FDXS09L + CDXS18L	60.8	17.00	2.39	20.42	2.51	23.84	2.63	27.26	2.75	31.37	2.90	34.11	3.00	37.53	3.12
	64.4	16.58	2.41	20.00	2.54	23.42	2.66	26.85	2.78	30.95	2.93	33.69	3.03	37.11	3.15
	68.0	16.16	2.44	19.58	2.56	23.01	2.69	26.43	2.81	30.53	2.96	33.27	3.05	36.69	3.18
	70.0	15.93	2.46	19.35	2.58	22.77	2.70	26.19	2.82	30.30	2.97	33.04	3.07	36.46	3.19
	71.6	15.74	2.47	19.17	2.59	22.59	2.71	26.01	2.84	30.11	2.98	32.85	3.08	36.27	3.20
	75.2	15.33	2.49	18.75	2.62	22.17	2.74	25.59	2.86	29.70	3.01	32.43	3.11	35.85	3.23
CTXS07L + CTXS12H + CTXS12H	60.8	17.22	2.26	20.69	2.38	24.16	2.49	27.62	2.61	31.78	2.75	34.56	2.84	38.02	2.95
	64.4	16.80	2.28	20.27	2.40	23.73	2.52	27.20	2.63	31.36	2.77	34.13	2.86	37.60	2.98
	68.0	16.38	2.31	19.84	2.43	23.31	2.54	26.78	2.66	30.94	2.80	33.71	2.89	37.18	3.00
	70.0	16.14	2.32	19.61	2.44	23.07	2.56	26.54	2.67	30.70	2.81	33.47	2.90	36.94	3.02
	71.6	15.95	2.34	19.42	2.45	22.89	2.57	26.35	2.68	30.51	2.82	33.28	2.91	36.75	3.03
	75.2	15.53	2.36	18.99	2.48	22.46	2.59	25.93	2.71	30.09	2.85	32.86	2.94	36.33	3.05
CTXS07L + CTXS12H + FDXS12L	60.8	17.00	2.33	20.42	2.45	23.84	2.57	27.26	2.69	31.37	2.83	34.11	2.93	37.53	3.05
	64.4	16.58	2.36	20.00	2.48	23.42	2.60	26.85	2.72	30.95	2.86	33.69	2.95	37.11	3.07
	68.0	16.16	2.38	19.58	2.50	23.01	2.62	26.43	2.74	30.53	2.89	33.27	2.98	36.69	3.10
	70.0	15.93	2.40	19.35	2.52	22.77	2.64	26.19	2.76	30.30	2.90	33.04	3.00	36.46	3.11
	71.6	15.74	2.41	19.17	2.53	22.59	2.65	26.01	2.77	30.11	2.91	32.85	3.01	36.27	3.13
	75.2	15.33	2.44	18.75	2.56	22.17	2.68	25.59	2.79	29.70	2.94	32.43	3.03	35.85	3.15

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FDXS12L	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
CTXS07L + CTXS12H + FTXS15L	60.8	17.56	2.18	21.09	2.29	24.63	2.40	28.16	2.51	32.40	2.65	35.23	2.74	38.77	2.85
	64.4	17.13	2.20	20.66	2.31	24.20	2.43	27.73	2.54	31.97	2.67	34.80	2.76	38.33	2.87
	68.0	16.70	2.23	20.23	2.34	23.76	2.45	27.30	2.56	31.54	2.70	34.37	2.79	37.90	2.90
	70.0	16.46	2.24	19.99	2.35	23.52	2.46	27.06	2.58	31.30	2.71	34.13	2.80	37.66	2.91
	71.6	16.26	2.25	19.80	2.36	23.33	2.48	26.87	2.59	31.11	2.72	33.94	2.81	37.47	2.92
	75.2	15.83	2.28	19.37	2.39	22.90	2.50	26.43	2.61	30.68	2.75	33.50	2.83	37.04	2.95
CTXS07L + CTXS12H + CDXS15L	60.8	17.22	2.32	20.69	2.44	24.16	2.56	27.62	2.68	31.78	2.82	34.56	2.92	38.02	3.04
	64.4	16.80	2.35	20.27	2.47	23.73	2.59	27.20	2.71	31.36	2.85	34.13	2.94	37.60	3.06
	68.0	16.38	2.38	19.84	2.49	23.31	2.61	26.78	2.73	30.94	2.88	33.71	2.97	37.18	3.09
	70.0	16.14	2.39	19.61	2.51	23.07	2.63	26.54	2.75	30.70	2.89	33.47	2.99	36.94	3.10
	71.6	15.95	2.40	19.42	2.52	22.89	2.64	26.35	2.76	30.51	2.90	33.28	3.00	36.75	3.12
	75.2	15.53	2.43	18.99	2.55	22.46	2.67	25.93	2.78	30.09	2.93	32.86	3.02	36.33	3.14
CTXS07L + FDXS12L + FTXS15L	60.8	17.22	2.24	20.69	2.35	24.16	2.46	27.62	2.58	31.78	2.72	34.56	2.81	38.02	2.92
	64.4	16.80	2.26	20.27	2.37	23.73	2.49	27.20	2.60	31.36	2.74	34.13	2.83	37.60	2.95
	68.0	16.38	2.29	19.84	2.40	23.31	2.51	26.78	2.63	30.94	2.77	33.71	2.86	37.18	2.97
	70.0	16.14	2.30	19.61	2.41	23.07	2.53	26.54	2.64	30.70	2.78	33.47	2.87	36.94	2.99
	71.6	15.95	2.31	19.42	2.42	22.89	2.54	26.35	2.65	30.51	2.79	33.28	2.88	36.75	3.00
	75.2	15.53	2.34	18.99	2.45	22.46	2.56	25.93	2.68	30.09	2.82	32.86	2.91	36.33	3.02
CTXS07L + FDXS12L + CDXS15L	60.8	17.00	2.39	20.42	2.51	23.84	2.63	27.26	2.75	31.37	2.90	34.11	3.00	37.53	3.12
	64.4	16.58	2.41	20.00	2.54	23.42	2.66	26.85	2.78	30.95	2.93	33.69	3.03	37.11	3.15
	68.0	16.16	2.44	19.58	2.56	23.01	2.69	26.43	2.81	30.53	2.96	33.27	3.05	36.69	3.18
	70.0	15.93	2.46	19.35	2.58	22.77	2.70	26.19	2.82	30.30	2.97	33.04	3.07	36.46	3.19
	71.6	15.74	2.47	19.17	2.59	22.59	2.71	26.01	2.84	30.11	2.98	32.85	3.08	36.27	3.20
	75.2	15.33	2.49	18.75	2.62	22.17	2.74	25.59	2.86	29.70	3.01	32.43	3.11	35.85	3.23
CTXS07L + CTXS12H + FTXS18L	60.8	17.73	2.20	21.30	2.32	24.86	2.43	28.43	2.54	32.72	2.68	35.57	2.77	39.14	2.88
	64.4	17.29	2.23	20.86	2.34	24.43	2.45	28.00	2.57	32.28	2.70	35.13	2.79	38.70	2.90
	68.0	16.86	2.25	20.42	2.37	23.99	2.48	27.56	2.59	31.84	2.73	34.70	2.82	38.27	2.93
	70.0	16.61	2.27	20.18	2.38	23.75	2.49	27.32	2.60	31.60	2.74	34.45	2.83	38.02	2.94
	71.6	16.42	2.28	19.99	2.39	23.56	2.50	27.12	2.62	31.41	2.75	34.26	2.84	37.83	2.95
	75.2	15.98	2.30	19.55	2.41	23.12	2.53	26.69	2.64	30.97	2.78	33.82	2.87	37.39	2.98
CTXS07L + CTXS12H + CDXS18L	60.8	17.56	2.40	21.09	2.53	24.63	2.65	28.16	2.77	32.40	2.92	35.23	3.02	38.77	3.14
	64.4	17.13	2.43	20.66	2.55	24.20	2.68	27.73	2.80	31.97	2.95	34.80	3.05	38.33	3.17
	68.0	16.70	2.46	20.23	2.58	23.76	2.70	27.30	2.83	31.54	2.98	34.37	3.07	37.90	3.20
	70.0	16.46	2.47	19.99	2.60	23.52	2.72	27.06	2.84	31.30	2.99	34.13	3.09	37.66	3.21
	71.6	16.26	2.48	19.80	2.61	23.33	2.73	26.87	2.85	31.11	3.00	33.94	3.10	37.47	3.22
	75.2	15.83	2.51	19.37	2.63	22.90	2.76	26.43	2.88	30.68	3.03	33.50	3.13	37.04	3.25
CTXS07L + FDXS12L + FTXS18L	60.8	17.56	2.29	21.09	2.41	24.63	2.53	28.16	2.64	32.40	2.78	35.23	2.88	38.77	3.00
	64.4	17.13	2.32	20.66	2.43	24.20	2.55	27.73	2.67	31.97	2.81	34.80	2.90	38.33	3.02
	68.0	16.70	2.34	20.23	2.46	23.76	2.58	27.30	2.69	31.54	2.84	34.37	2.93	37.90	3.05
	70.0	16.46	2.36	19.99	2.47	23.52	2.59	27.06	2.71	31.30	2.85	34.13	2.94	37.66	3.06
	71.6	16.26	2.37	19.80	2.49	23.33	2.60	26.87	2.72	31.11	2.86	33.94	2.96	37.47	3.07
	75.2	15.83	2.39	19.37	2.51	22.90	2.63	26.43	2.75	30.68	2.89	33.50	2.98	37.04	3.10

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS12L + CDXS18L	60.8	17.34	2.48	20.82	2.60	24.31	2.73	27.80	2.86	31.99	3.01	34.78	3.11	38.27	3.24
	64.4	16.91	2.50	20.40	2.63	23.89	2.76	27.38	2.88	31.56	3.04	34.36	3.14	37.84	3.27
	68.0	16.48	2.53	19.97	2.66	23.46	2.79	26.95	2.91	31.14	3.06	33.93	3.17	37.42	3.29
	70.0	16.25	2.55	19.73	2.67	23.22	2.80	26.71	2.93	30.90	3.08	33.69	3.18	37.18	3.31
	71.6	16.06	2.56	19.55	2.69	23.03	2.81	26.52	2.94	30.71	3.09	33.50	3.19	36.99	3.32
	75.2	15.63	2.59	19.12	2.71	22.61	2.84	26.10	2.97	30.28	3.12	33.08	3.22	36.56	3.35
CTXS07L + FTXS15L + FTXS15L	60.8	17.84	2.15	21.43	2.27	25.02	2.38	28.61	2.49	32.92	2.62	35.79	2.71	39.39	2.82
	64.4	17.40	2.18	20.99	2.29	24.58	2.40	28.17	2.51	32.48	2.64	35.36	2.73	38.95	2.84
	68.0	16.96	2.20	20.55	2.31	24.14	2.42	27.73	2.53	32.04	2.67	34.92	2.75	38.51	2.87
	70.0	16.72	2.22	20.31	2.33	23.90	2.44	27.49	2.55	31.80	2.68	34.67	2.77	38.26	2.88
	71.6	16.52	2.23	20.11	2.34	23.71	2.45	27.30	2.56	31.60	2.69	34.48	2.78	38.07	2.89
	75.2	16.08	2.25	19.68	2.36	23.27	2.47	26.86	2.58	31.17	2.71	34.04	2.80	37.63	2.91
CTXS07L + FTXS15L + CDXS15L	60.8	17.62	2.26	21.16	2.38	24.71	2.49	28.25	2.61	32.51	2.75	35.34	2.84	38.89	2.95
	64.4	17.18	2.28	20.73	2.40	24.27	2.52	27.82	2.63	32.07	2.77	34.91	2.86	38.46	2.98
	68.0	16.75	2.31	20.29	2.43	23.84	2.54	27.39	2.66	31.64	2.80	34.48	2.89	38.02	3.00
	70.0	16.51	2.32	20.05	2.44	23.60	2.56	27.15	2.67	31.40	2.81	34.24	2.90	37.78	3.02
	71.6	16.32	2.34	19.86	2.45	23.41	2.57	26.95	2.68	31.21	2.82	34.04	2.91	37.59	3.03
	75.2	15.88	2.36	19.43	2.48	22.97	2.59	26.52	2.71	30.77	2.85	33.61	2.94	37.16	3.05
CTXS07L + CDXS15L + CDXS15L	60.8	17.39	2.43	20.89	2.55	24.39	2.68	27.89	2.80	32.09	2.95	34.89	3.05	38.39	3.17
	64.4	16.96	2.46	20.46	2.58	23.96	2.70	27.47	2.83	31.67	2.98	34.47	3.08	37.97	3.20
	68.0	16.54	2.48	20.04	2.61	23.54	2.73	27.04	2.86	31.24	3.00	34.04	3.10	37.54	3.23
	70.0	16.30	2.50	19.80	2.62	23.30	2.75	26.80	2.87	31.00	3.02	33.80	3.12	37.30	3.24
	71.6	16.11	2.51	19.61	2.63	23.11	2.76	26.61	2.88	30.81	3.03	33.61	3.13	37.11	3.26
	75.2	15.68	2.54	19.18	2.66	22.68	2.79	26.18	2.91	30.38	3.06	33.18	3.16	36.68	3.28
CTXS09H + CTXS09H + CTXS09H	60.8	16.94	2.18	20.35	2.29	23.76	2.40	27.17	2.51	31.27	2.65	33.99	2.74	37.40	2.85
	64.4	16.53	2.20	19.94	2.31	23.35	2.43	26.76	2.54	30.85	2.67	33.58	2.76	36.99	2.87
	68.0	16.11	2.23	19.52	2.34	22.93	2.45	26.34	2.56	30.43	2.70	33.16	2.79	36.57	2.90
	70.0	15.88	2.24	19.29	2.35	22.70	2.46	26.11	2.58	30.20	2.71	32.93	2.80	36.34	2.91
	71.6	15.69	2.25	19.10	2.36	22.51	2.48	25.92	2.59	30.01	2.72	32.74	2.81	36.15	2.92
	75.2	15.28	2.28	18.69	2.39	22.10	2.50	25.51	2.61	29.60	2.75	32.33	2.83	35.74	2.95
CTXS09H + CTXS09H + FDXS09L	60.8	16.83	2.29	20.22	2.41	23.61	2.53	26.99	2.64	31.06	2.78	33.77	2.88	37.16	3.00
	64.4	16.42	2.32	19.80	2.43	23.19	2.55	26.58	2.67	30.64	2.81	33.35	2.90	36.74	3.02
	68.0	16.00	2.34	19.39	2.46	22.78	2.58	26.17	2.69	30.23	2.84	32.94	2.93	36.33	3.05
	70.0	15.77	2.36	19.16	2.47	22.55	2.59	25.93	2.71	30.00	2.85	32.71	2.94	36.10	3.06
	71.6	15.59	2.37	18.98	2.49	22.36	2.60	25.75	2.72	29.82	2.86	32.53	2.96	35.91	3.07
	75.2	15.17	2.39	18.56	2.51	21.95	2.63	25.34	2.75	29.40	2.89	32.11	2.98	35.50	3.10
CTXS09H + FDXS09L + FDXS09L	60.8	16.66	2.42	20.02	2.54	23.37	2.67	26.72	2.79	30.75	2.94	33.43	3.04	36.78	3.16
	64.4	16.25	2.45	19.61	2.57	22.96	2.70	26.31	2.82	30.34	2.97	33.02	3.07	36.37	3.19
	68.0	15.84	2.47	19.20	2.60	22.55	2.72	25.90	2.85	29.93	2.99	32.61	3.09	35.96	3.22
	70.0	15.61	2.49	18.97	2.61	22.32	2.74	25.68	2.86	29.70	3.01	32.38	3.11	35.74	3.23
	71.6	15.43	2.50	18.79	2.63	22.14	2.75	25.49	2.87	29.52	3.02	32.20	3.12	35.55	3.25
	75.2	15.02	2.53	18.38	2.65	21.73	2.78	25.08	2.90	29.11	3.05	31.79	3.15	35.14	3.27
FDXS09L + FDXS09L + FDXS09L	60.8	16.38	2.52	19.68	2.65	22.98	2.77	26.27	2.90	30.23	3.06	32.87	3.16	36.17	3.29
	64.4	15.98	2.54	19.28	2.67	22.57	2.80	25.87	2.93	29.83	3.09	32.46	3.19	35.76	3.32
	68.0	15.58	2.57	18.87	2.70	22.17	2.83	25.47	2.96	29.42	3.11	32.06	3.22	35.36	3.35
	70.0	15.35	2.59	18.65	2.72	21.95	2.85	25.24	2.98	29.20	3.13	31.84	3.23	35.13	3.36
	71.6	15.17	2.60	18.47	2.73	21.77	2.86	25.06	2.99	29.02	3.14	31.66	3.25	34.96	3.37
	75.2	14.77	2.63	18.07	2.76	21.36	2.89	24.66	3.02	28.62	3.17	31.26	3.27	34.55	3.40

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS09H + CTXS12H	60.8	17.11	2.26	20.56	2.38	24.00	2.49	27.44	2.61	31.58	2.75	34.33	2.84	37.78	2.95
	64.4	16.69	2.28	20.13	2.40	23.58	2.52	27.02	2.63	31.16	2.77	33.91	2.86	37.35	2.98
	68.0	16.27	2.31	19.71	2.43	23.16	2.54	26.60	2.66	30.73	2.80	33.49	2.89	36.93	3.00
	70.0	16.04	2.32	19.48	2.44	22.92	2.56	26.37	2.67	30.50	2.81	33.26	2.90	36.70	3.02
	71.6	15.85	2.34	19.29	2.45	22.74	2.57	26.18	2.68	30.31	2.82	33.07	2.91	36.51	3.03
	75.2	15.43	2.36	18.87	2.48	22.31	2.59	25.76	2.71	29.89	2.85	32.65	2.94	36.09	3.05
CTXS09H + CTXS09H + FDXS12L	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS09H + FDXS09L + CTXS12H	60.8	16.94	2.33	20.35	2.45	23.76	2.57	27.17	2.69	31.27	2.83	33.99	2.93	37.40	3.05
	64.4	16.53	2.36	19.94	2.48	23.35	2.60	26.76	2.72	30.85	2.86	33.58	2.95	36.99	3.07
	68.0	16.11	2.38	19.52	2.50	22.93	2.62	26.34	2.74	30.43	2.89	33.16	2.98	36.57	3.10
	70.0	15.88	2.40	19.29	2.52	22.70	2.64	26.11	2.76	30.20	2.90	32.93	3.00	36.34	3.11
	71.6	15.69	2.41	19.10	2.53	22.51	2.65	25.92	2.77	30.01	2.91	32.74	3.01	36.15	3.13
	75.2	15.28	2.44	18.69	2.56	22.10	2.68	25.51	2.79	29.60	2.94	32.33	3.03	35.74	3.15
CTXS09H + FDXS09L + FDXS12L	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
FDXS09L + FDXS09L + CTXS12H	60.8	16.83	2.46	20.22	2.59	23.61	2.71	26.99	2.84	31.06	2.99	33.77	3.09	37.16	3.22
	64.4	16.42	2.49	19.80	2.61	23.19	2.74	26.58	2.87	30.64	3.02	33.35	3.12	36.74	3.24
	68.0	16.00	2.52	19.39	2.64	22.78	2.77	26.17	2.89	30.23	3.04	32.94	3.15	36.33	3.27
	70.0	15.77	2.53	19.16	2.66	22.55	2.78	25.93	2.91	30.00	3.06	32.71	3.16	36.10	3.29
	71.6	15.59	2.54	18.98	2.67	22.36	2.80	25.75	2.92	29.82	3.07	32.53	3.17	35.91	3.30
	75.2	15.17	2.57	18.56	2.70	21.95	2.82	25.34	2.95	29.40	3.10	32.11	3.20	35.50	3.33
FDXS09L + FDXS09L + FDXS12L	60.8	16.66	2.61	20.02	2.74	23.37	2.87	26.72	3.01	30.75	3.17	33.43	3.27	36.78	3.41
	64.4	16.25	2.63	19.61	2.77	22.96	2.90	26.31	3.03	30.34	3.19	33.02	3.30	36.37	3.43
	68.0	15.84	2.66	19.20	2.80	22.55	2.93	25.90	3.06	29.93	3.22	32.61	3.33	35.96	3.46
	70.0	15.61	2.68	18.97	2.81	22.32	2.95	25.68	3.08	29.70	3.24	32.38	3.35	35.74	3.48
	71.6	15.43	2.69	18.79	2.83	22.14	2.96	25.49	3.09	29.52	3.25	32.20	3.36	35.55	3.49
	75.2	15.02	2.72	18.38	2.86	21.73	2.99	25.08	3.12	29.11	3.28	31.79	3.39	35.14	3.52
CTXS09H + CTXS09H + FTXS15L	60.8	17.45	2.18	20.96	2.29	24.47	2.40	27.98	2.51	32.20	2.65	35.01	2.74	38.52	2.85
	64.4	17.02	2.20	20.53	2.31	24.04	2.43	27.55	2.54	31.77	2.67	34.58	2.76	38.09	2.87
	68.0	16.59	2.23	20.10	2.34	23.61	2.45	27.12	2.56	31.34	2.70	34.15	2.79	37.66	2.90
	70.0	16.35	2.24	19.86	2.35	23.37	2.46	26.89	2.58	31.10	2.71	33.91	2.80	37.42	2.91
	71.6	16.16	2.25	19.67	2.36	23.18	2.48	26.70	2.59	30.91	2.72	33.72	2.81	37.23	2.92
	75.2	15.73	2.28	19.24	2.39	22.75	2.50	26.27	2.61	30.48	2.75	33.29	2.83	36.80	2.95
CTXS09H + CTXS09H + CDXS15L	60.8	17.17	2.32	20.62	2.44	24.08	2.56	27.53	2.68	31.68	2.82	34.44	2.92	37.90	3.04
	64.4	16.74	2.35	20.20	2.47	23.66	2.59	27.11	2.71	31.26	2.85	34.02	2.94	37.48	3.06
	68.0	16.32	2.38	19.78	2.49	23.23	2.61	26.69	2.73	30.83	2.88	33.60	2.97	37.05	3.09
	70.0	16.09	2.39	19.54	2.51	23.00	2.63	26.45	2.75	30.60	2.89	33.36	2.99	36.82	3.10
	71.6	15.90	2.40	19.36	2.52	22.81	2.64	26.27	2.76	30.41	2.90	33.18	3.00	36.63	3.12
	75.2	15.48	2.43	18.93	2.55	22.39	2.67	25.84	2.78	29.99	2.93	32.75	3.02	36.21	3.14

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FTXS15L	60.8	17.17	2.19	20.62	2.31	24.08	2.42	27.53	2.53	31.68	2.67	34.44	2.76	37.90	2.87
	64.4	16.74	2.22	20.20	2.33	23.66	2.44	27.11	2.56	31.26	2.69	34.02	2.78	37.48	2.89
	68.0	16.32	2.24	19.78	2.36	23.23	2.47	26.69	2.58	30.83	2.72	33.60	2.81	37.05	2.92
	70.0	16.09	2.26	19.54	2.37	23.00	2.48	26.45	2.60	30.60	2.73	33.36	2.82	36.82	2.93
	71.6	15.90	2.27	19.36	2.38	22.81	2.49	26.27	2.61	30.41	2.74	33.18	2.83	36.63	2.94
	75.2	15.48	2.29	18.93	2.41	22.39	2.52	25.84	2.63	29.99	2.77	32.75	2.86	36.21	2.97
CTXS09H + FDXS09L + CDXS15L	60.8	16.94	2.39	20.35	2.51	23.76	2.63	27.17	2.75	31.27	2.90	33.99	3.00	37.40	3.12
	64.4	16.53	2.41	19.94	2.54	23.35	2.66	26.76	2.78	30.85	2.93	33.58	3.03	36.99	3.15
	68.0	16.11	2.44	19.52	2.56	22.93	2.69	26.34	2.81	30.43	2.96	33.16	3.05	36.57	3.18
	70.0	15.88	2.46	19.29	2.58	22.70	2.70	26.11	2.82	30.20	2.97	32.93	3.07	36.34	3.19
	71.6	15.69	2.47	19.10	2.59	22.51	2.71	25.92	2.84	30.01	2.98	32.74	3.08	36.15	3.20
	75.2	15.28	2.49	18.69	2.62	22.10	2.74	25.51	2.86	29.60	3.01	32.33	3.11	35.74	3.23
FDXS09L + FDXS09L + FTXS15L	60.8	16.94	2.29	20.35	2.41	23.76	2.53	27.17	2.64	31.27	2.78	33.99	2.88	37.40	3.00
	64.4	16.53	2.32	19.94	2.43	23.35	2.55	26.76	2.67	30.85	2.81	33.58	2.90	36.99	3.02
	68.0	16.11	2.34	19.52	2.46	22.93	2.58	26.34	2.69	30.43	2.84	33.16	2.93	36.57	3.05
	70.0	15.88	2.36	19.29	2.47	22.70	2.59	26.11	2.71	30.20	2.85	32.93	2.94	36.34	3.06
	71.6	15.69	2.37	19.10	2.49	22.51	2.60	25.92	2.72	30.01	2.86	32.74	2.96	36.15	3.07
	75.2	15.28	2.39	18.69	2.51	22.10	2.63	25.51	2.75	29.60	2.89	32.33	2.98	35.74	3.10
FDXS09L + FDXS09L + CDXS15L	60.8	16.83	2.51	20.22	2.64	23.61	2.77	26.99	2.89	31.06	3.05	33.77	3.15	37.16	3.28
	64.4	16.42	2.54	19.80	2.67	23.19	2.79	26.58	2.92	30.64	3.08	33.35	3.18	36.74	3.31
	68.0	16.00	2.56	19.39	2.69	22.78	2.82	26.17	2.95	30.23	3.10	32.94	3.21	36.33	3.34
	70.0	15.77	2.58	19.16	2.71	22.55	2.84	25.93	2.97	30.00	3.12	32.71	3.22	36.10	3.35
	71.6	15.59	2.59	18.98	2.72	22.36	2.85	25.75	2.98	29.82	3.13	32.53	3.24	35.91	3.36
	75.2	15.17	2.62	18.56	2.75	21.95	2.88	25.34	3.01	29.40	3.16	32.11	3.26	35.50	3.39
CTXS09H + CTXS09H + FTXS18L	60.8	17.67	2.20	21.23	2.32	24.79	2.43	28.34	2.54	32.61	2.68	35.46	2.77	39.01	2.88
	64.4	17.24	2.23	20.79	2.34	24.35	2.45	27.91	2.57	32.18	2.70	35.02	2.79	38.58	2.90
	68.0	16.80	2.25	20.36	2.37	23.92	2.48	27.47	2.59	31.74	2.73	34.59	2.82	38.14	2.93
	70.0	16.56	2.27	20.12	2.38	23.67	2.49	27.23	2.60	31.50	2.74	34.35	2.83	37.90	2.94
	71.6	16.37	2.28	19.92	2.39	23.48	2.50	27.04	2.62	31.31	2.75	34.15	2.84	37.71	2.95
	75.2	15.93	2.30	19.49	2.41	23.05	2.53	26.60	2.64	30.87	2.78	33.72	2.87	37.27	2.98
CTXS09H + CTXS09H + CDXS18L	60.8	17.50	2.40	21.03	2.53	24.55	2.65	28.07	2.77	32.30	2.92	35.12	3.02	38.64	3.14
	64.4	17.07	2.43	20.60	2.55	24.12	2.68	27.64	2.80	31.87	2.95	34.69	3.05	38.21	3.17
	68.0	16.64	2.46	20.17	2.58	23.69	2.70	27.21	2.83	31.44	2.98	34.26	3.07	37.78	3.20
	70.0	16.40	2.47	19.93	2.60	23.45	2.72	26.97	2.84	31.20	2.99	34.02	3.09	37.54	3.21
	71.6	16.21	2.48	19.73	2.61	23.26	2.73	26.78	2.85	31.01	3.00	33.83	3.10	37.35	3.22
	75.2	15.78	2.51	19.30	2.63	22.83	2.76	26.35	2.88	30.58	3.03	33.40	3.13	36.92	3.25
CTXS09H + FDXS09L + FTXS18L	60.8	17.50	2.25	21.03	2.37	24.55	2.48	28.07	2.60	32.30	2.74	35.12	2.83	38.64	2.94
	64.4	17.07	2.28	20.60	2.39	24.12	2.51	27.64	2.62	31.87	2.76	34.69	2.85	38.21	2.97
	68.0	16.64	2.30	20.17	2.42	23.69	2.53	27.21	2.65	31.44	2.79	34.26	2.88	37.78	2.99
	70.0	16.40	2.32	19.93	2.43	23.45	2.55	26.97	2.66	31.20	2.80	34.02	2.89	37.54	3.01
	71.6	16.21	2.33	19.73	2.44	23.26	2.56	26.78	2.67	31.01	2.81	33.83	2.90	37.35	3.02
	75.2	15.78	2.35	19.30	2.47	22.83	2.58	26.35	2.70	30.58	2.84	33.40	2.93	36.92	3.04
CTXS09H + FDXS09L + CDXS18L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FTXS18L	60.8	17.28	2.31	20.76	2.43	24.24	2.54	27.71	2.66	31.89	2.80	34.67	2.90	38.15	3.02
	64.4	16.85	2.33	20.33	2.45	23.81	2.57	27.29	2.69	31.46	2.83	34.24	2.92	37.72	3.04
	68.0	16.43	2.36	19.91	2.48	23.38	2.60	26.86	2.71	31.04	2.86	33.82	2.95	37.30	3.07
	70.0	16.19	2.37	19.67	2.49	23.15	2.61	26.63	2.73	30.80	2.87	33.58	2.96	37.06	3.08
	71.6	16.00	2.39	19.48	2.50	22.96	2.62	26.44	2.74	30.61	2.88	33.39	2.98	36.87	3.09
	75.2	15.58	2.41	19.06	2.53	22.53	2.65	26.01	2.77	30.19	2.91	32.97	3.00	36.45	3.12
FDXS09L + FDXS09L + CDXS18L	60.8	16.89	2.51	20.29	2.64	23.68	2.77	27.08	2.89	31.16	3.05	33.88	3.15	37.28	3.28
	64.4	16.47	2.54	19.87	2.67	23.27	2.79	26.67	2.92	30.75	3.08	33.47	3.18	36.86	3.31
	68.0	16.06	2.56	19.45	2.69	22.85	2.82	26.25	2.95	30.33	3.10	33.05	3.21	36.45	3.34
	70.0	15.82	2.58	19.22	2.71	22.62	2.84	26.02	2.97	30.10	3.12	32.82	3.22	36.22	3.35
	71.6	15.64	2.59	19.04	2.72	22.44	2.85	25.84	2.98	29.92	3.13	32.63	3.24	36.03	3.36
	75.2	15.22	2.62	18.62	2.75	22.02	2.88	25.42	3.01	29.50	3.16	32.22	3.26	35.62	3.39
CTXS09H + CTXS12H + CTXS12H	60.8	17.34	2.30	20.82	2.42	24.31	2.54	27.80	2.65	31.99	2.79	34.78	2.89	38.27	3.01
	64.4	16.91	2.33	20.40	2.44	23.89	2.56	27.38	2.68	31.56	2.82	34.36	2.91	37.84	3.03
	68.0	16.48	2.35	19.97	2.47	23.46	2.59	26.95	2.70	31.14	2.85	33.93	2.94	37.42	3.06
	70.0	16.25	2.37	19.73	2.48	23.22	2.60	26.71	2.72	30.90	2.86	33.69	2.95	37.18	3.07
	71.6	16.06	2.38	19.55	2.49	23.03	2.61	26.52	2.73	30.71	2.87	33.50	2.97	36.99	3.08
	75.2	15.63	2.40	19.12	2.52	22.61	2.64	26.10	2.76	30.28	2.90	33.08	2.99	36.56	3.11
CTXS09H + CTXS12H + FDXS12L	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
CTXS09H + FDXS12L + FDXS12L	60.8	16.94	2.51	20.35	2.64	23.76	2.77	27.17	2.89	31.27	3.05	33.99	3.15	37.40	3.28
	64.4	16.53	2.54	19.94	2.67	23.35	2.79	26.76	2.92	30.85	3.08	33.58	3.18	36.99	3.31
	68.0	16.11	2.56	19.52	2.69	22.93	2.82	26.34	2.95	30.43	3.10	33.16	3.21	36.57	3.34
	70.0	15.88	2.58	19.29	2.71	22.70	2.84	26.11	2.97	30.20	3.12	32.93	3.22	36.34	3.35
	71.6	15.69	2.59	19.10	2.72	22.51	2.85	25.92	2.98	30.01	3.13	32.74	3.24	36.15	3.36
	75.2	15.28	2.62	18.69	2.75	22.10	2.88	25.51	3.01	29.60	3.16	32.33	3.26	35.74	3.39
FDXS09L + CTXS12H + CTXS12H	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
FDXS09L + CTXS12H + FDXS12L	60.8	16.94	2.51	20.35	2.64	23.76	2.77	27.17	2.89	31.27	3.05	33.99	3.15	37.40	3.28
	64.4	16.53	2.54	19.94	2.67	23.35	2.79	26.76	2.92	30.85	3.08	33.58	3.18	36.99	3.31
	68.0	16.11	2.56	19.52	2.69	22.93	2.82	26.34	2.95	30.43	3.10	33.16	3.21	36.57	3.34
	70.0	15.88	2.58	19.29	2.71	22.70	2.84	26.11	2.97	30.20	3.12	32.93	3.22	36.34	3.35
	71.6	15.69	2.59	19.10	2.72	22.51	2.85	25.92	2.98	30.01	3.13	32.74	3.24	36.15	3.36
	75.2	15.28	2.62	18.69	2.75	22.10	2.88	25.51	3.01	29.60	3.16	32.33	3.26	35.74	3.39
FDXS09L + FDXS12L + FDXS12L	60.8	16.83	2.65	20.22	2.79	23.61	2.93	26.99	3.06	31.06	3.22	33.77	3.33	37.16	3.47
	64.4	16.42	2.68	19.80	2.82	23.19	2.95	26.58	3.09	30.64	3.25	33.35	3.36	36.74	3.50
	68.0	16.00	2.71	19.39	2.85	22.78	2.98	26.17	3.12	30.23	3.28	32.94	3.39	36.33	3.53
	70.0	15.77	2.73	19.16	2.87	22.55	3.00	25.93	3.14	30.00	3.30	32.71	3.41	36.10	3.54
	71.6	15.59	2.74	18.98	2.88	22.36	3.01	25.75	3.15	29.82	3.31	32.53	3.42	35.91	3.56
	75.2	15.17	2.77	18.56	2.91	21.95	3.04	25.34	3.18	29.40	3.34	32.11	3.45	35.50	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS12H + FTXS15L	60.8	17.67	2.22	21.23	2.33	24.79	2.45	28.34	2.56	32.61	2.70	35.46	2.79	39.01	2.90
	64.4	17.24	2.24	20.79	2.36	24.35	2.47	27.91	2.58	32.18	2.72	35.02	2.81	38.58	2.93
	68.0	16.80	2.27	20.36	2.38	23.92	2.50	27.47	2.61	31.74	2.75	34.59	2.84	38.14	2.95
	70.0	16.56	2.28	20.12	2.40	23.67	2.51	27.23	2.62	31.50	2.76	34.35	2.85	37.90	2.96
	71.6	16.37	2.29	19.92	2.41	23.48	2.52	27.04	2.63	31.31	2.77	34.15	2.86	37.71	2.98
	75.2	15.93	2.32	19.49	2.43	23.05	2.55	26.60	2.66	30.87	2.80	33.72	2.89	37.27	3.00
CTXS09H + CTXS12H + CDXS15L	60.8	17.50	2.40	21.03	2.53	24.55	2.65	28.07	2.77	32.30	2.92	35.12	3.02	38.64	3.14
	64.4	17.07	2.43	20.60	2.55	24.12	2.68	27.64	2.80	31.87	2.95	34.69	3.05	38.21	3.17
	68.0	16.64	2.46	20.17	2.58	23.69	2.70	27.21	2.83	31.44	2.98	34.26	3.07	37.78	3.20
	70.0	16.40	2.47	19.93	2.60	23.45	2.72	26.97	2.84	31.20	2.99	34.02	3.09	37.54	3.21
	71.6	16.21	2.48	19.73	2.61	23.26	2.73	26.78	2.85	31.01	3.00	33.83	3.10	37.35	3.22
	75.2	15.78	2.51	19.30	2.63	22.83	2.76	26.35	2.88	30.58	3.03	33.40	3.13	36.92	3.25
CTXS09H + FDXS12L + FTXS15L	60.8	17.50	2.28	21.03	2.39	24.55	2.51	28.07	2.62	32.30	2.76	35.12	2.86	38.64	2.97
	64.4	17.07	2.30	20.60	2.42	24.12	2.53	27.64	2.65	31.87	2.79	34.69	2.88	38.21	3.00
	68.0	16.64	2.33	20.17	2.44	23.69	2.56	27.21	2.68	31.44	2.82	34.26	2.91	37.78	3.03
	70.0	16.40	2.34	19.93	2.46	23.45	2.57	26.97	2.69	31.20	2.83	34.02	2.92	37.54	3.04
	71.6	16.21	2.35	19.73	2.47	23.26	2.58	26.78	2.70	31.01	2.84	33.83	2.93	37.35	3.05
	75.2	15.78	2.38	19.30	2.49	22.83	2.61	26.35	2.73	30.58	2.87	33.40	2.96	36.92	3.08
CTXS09H + FDXS12L + CDXS15L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35
FDXS09L + CTXS12H + FTXS15L	60.8	17.50	2.28	21.03	2.39	24.55	2.51	28.07	2.62	32.30	2.76	35.12	2.86	38.64	2.97
	64.4	17.07	2.30	20.60	2.42	24.12	2.53	27.64	2.65	31.87	2.79	34.69	2.88	38.21	3.00
	68.0	16.64	2.33	20.17	2.44	23.69	2.56	27.21	2.68	31.44	2.82	34.26	2.91	37.78	3.03
	70.0	16.40	2.34	19.93	2.46	23.45	2.57	26.97	2.69	31.20	2.83	34.02	2.92	37.54	3.04
	71.6	16.21	2.35	19.73	2.47	23.26	2.58	26.78	2.70	31.01	2.84	33.83	2.93	37.35	3.05
	75.2	15.78	2.38	19.30	2.49	22.83	2.61	26.35	2.73	30.58	2.87	33.40	2.96	36.92	3.08
FDXS09L + CTXS12H + CDXS15L	60.8	17.28	2.48	20.76	2.60	24.24	2.73	27.71	2.86	31.89	3.01	34.67	3.11	38.15	3.24
	64.4	16.85	2.50	20.33	2.63	23.81	2.76	27.29	2.88	31.46	3.04	34.24	3.14	37.72	3.27
	68.0	16.43	2.53	19.91	2.66	23.38	2.79	26.86	2.91	31.04	3.06	33.82	3.17	37.30	3.29
	70.0	16.19	2.55	19.67	2.67	23.15	2.80	26.63	2.93	30.80	3.08	33.58	3.18	37.06	3.31
	71.6	16.00	2.56	19.48	2.69	22.96	2.81	26.44	2.94	30.61	3.09	33.39	3.19	36.87	3.32
	75.2	15.58	2.59	19.06	2.71	22.53	2.84	26.01	2.97	30.19	3.12	32.97	3.22	36.45	3.35
FDXS09L + FDXS12L + FTXS15L	60.8	17.28	2.38	20.76	2.50	24.24	2.62	27.71	2.75	31.89	2.89	34.67	2.99	38.15	3.11
	64.4	16.85	2.41	20.33	2.53	23.81	2.65	27.29	2.77	31.46	2.92	34.24	3.02	37.72	3.14
	68.0	16.43	2.43	19.91	2.56	23.38	2.68	26.86	2.80	31.04	2.95	33.82	3.04	37.30	3.16
	70.0	16.19	2.45	19.67	2.57	23.15	2.69	26.63	2.81	30.80	2.96	33.58	3.06	37.06	3.18
	71.6	16.00	2.46	19.48	2.58	22.96	2.70	26.44	2.83	30.61	2.97	33.39	3.07	36.87	3.19
	75.2	15.58	2.49	19.06	2.61	22.53	2.73	26.01	2.85	30.19	3.00	32.97	3.10	36.45	3.22
FDXS09L + FDXS12L + CDXS15L	60.8	17.00	2.55	20.42	2.68	23.84	2.81	27.26	2.94	31.37	3.10	34.11	3.20	37.53	3.33
	64.4	16.58	2.58	20.00	2.71	23.42	2.84	26.85	2.97	30.95	3.13	33.69	3.23	37.11	3.36
	68.0	16.16	2.61	19.58	2.74	23.01	2.87	26.43	3.00	30.53	3.15	33.27	3.26	36.69	3.39
	70.0	15.93	2.62	19.35	2.75	22.77	2.88	26.19	3.01	30.30	3.17	33.04	3.27	36.46	3.40
	71.6	15.74	2.63	19.17	2.76	22.59	2.90	26.01	3.03	30.11	3.18	32.85	3.29	36.27	3.42
	75.2	15.33	2.66	18.75	2.79	22.17	2.92	25.59	3.05	29.70	3.21	32.43	3.32	35.85	3.45

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS12H + FTXS18L	60.8	17.84	2.24	21.43	2.36	25.02	2.47	28.61	2.59	32.92	2.73	35.79	2.82	39.39	2.93
	64.4	17.40	2.27	20.99	2.38	24.58	2.50	28.17	2.61	32.48	2.75	35.36	2.84	38.95	2.96
	68.0	16.96	2.29	20.55	2.41	24.14	2.52	27.73	2.64	32.04	2.78	34.92	2.87	38.51	2.98
	70.0	16.72	2.31	20.31	2.42	23.90	2.54	27.49	2.65	31.80	2.79	34.67	2.88	38.26	3.00
	71.6	16.52	2.32	20.11	2.43	23.71	2.55	27.30	2.66	31.60	2.80	34.48	2.89	38.07	3.01
	75.2	16.08	2.34	19.68	2.46	23.27	2.57	26.86	2.69	31.17	2.83	34.04	2.92	37.63	3.03
CTXS09H + CTXS12H + CDXS18L	60.8	17.67	2.44	21.23	2.57	24.79	2.69	28.34	2.82	32.61	2.97	35.46	3.07	39.01	3.20
	64.4	17.24	2.47	20.79	2.60	24.35	2.72	27.91	2.85	32.18	3.00	35.02	3.10	38.58	3.22
	68.0	16.80	2.50	20.36	2.62	23.92	2.75	27.47	2.87	31.74	3.02	34.59	3.12	38.14	3.25
	70.0	16.56	2.51	20.12	2.64	23.67	2.76	27.23	2.89	31.50	3.04	34.35	3.14	37.90	3.27
	71.6	16.37	2.53	19.92	2.65	23.48	2.78	27.04	2.90	31.31	3.05	34.15	3.15	37.71	3.28
	75.2	15.93	2.55	19.49	2.68	23.05	2.80	26.60	2.93	30.87	3.08	33.72	3.18	37.27	3.30
CTXS09H + FDXS12L + FTXS18L	60.8	17.67	2.29	21.23	2.41	24.79	2.53	28.34	2.64	32.61	2.78	35.46	2.88	39.01	3.00
	64.4	17.24	2.32	20.79	2.43	24.35	2.55	27.91	2.67	32.18	2.81	35.02	2.90	38.58	3.02
	68.0	16.80	2.34	20.36	2.46	23.92	2.58	27.47	2.69	31.74	2.84	34.59	2.93	38.14	3.05
	70.0	16.56	2.36	20.12	2.47	23.67	2.59	27.23	2.71	31.50	2.85	34.35	2.94	37.90	3.06
	71.6	16.37	2.37	19.92	2.49	23.48	2.60	27.04	2.72	31.31	2.86	34.15	2.96	37.71	3.07
	75.2	15.93	2.39	19.49	2.51	23.05	2.63	26.60	2.75	30.87	2.89	33.72	2.98	37.27	3.10
CTXS09H + FDXS12L + CDXS18L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS09L + CTXS12H + FTXS18L	60.8	17.67	2.29	21.23	2.41	24.79	2.53	28.34	2.64	32.61	2.78	35.46	2.88	39.01	3.00
	64.4	17.24	2.32	20.79	2.43	24.35	2.55	27.91	2.67	32.18	2.81	35.02	2.90	38.58	3.02
	68.0	16.80	2.34	20.36	2.46	23.92	2.58	27.47	2.69	31.74	2.84	34.59	2.93	38.14	3.05
	70.0	16.56	2.36	20.12	2.47	23.67	2.59	27.23	2.71	31.50	2.85	34.35	2.94	37.90	3.06
	71.6	16.37	2.37	19.92	2.49	23.48	2.60	27.04	2.72	31.31	2.86	34.15	2.96	37.71	3.07
	75.2	15.93	2.39	19.49	2.51	23.05	2.63	26.60	2.75	30.87	2.89	33.72	2.98	37.27	3.10
FDXS09L + CTXS12H + CDXS18L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS09L + FDXS12L + FTXS18L	60.8	17.45	2.35	20.96	2.47	24.47	2.59	27.98	2.71	32.20	2.85	35.01	2.95	38.52	3.07
	64.4	17.02	2.37	20.53	2.49	24.04	2.61	27.55	2.73	31.77	2.88	34.58	2.98	38.09	3.10
	68.0	16.59	2.40	20.10	2.52	23.61	2.64	27.12	2.76	31.34	2.91	34.15	3.00	37.66	3.12
	70.0	16.35	2.41	19.86	2.54	23.37	2.66	26.89	2.78	31.10	2.92	33.91	3.02	37.42	3.14
	71.6	16.16	2.43	19.67	2.55	23.18	2.67	26.70	2.79	30.91	2.93	33.72	3.03	37.23	3.15
	75.2	15.73	2.45	19.24	2.57	22.75	2.69	26.27	2.81	30.48	2.96	33.29	3.05	36.80	3.17
FDXS09L + FDXS12L + CDXS18L	60.8	17.22	2.60	20.69	2.73	24.16	2.86	27.62	3.00	31.78	3.16	34.56	3.26	38.02	3.40
	64.4	16.80	2.63	20.27	2.76	23.73	2.89	27.20	3.03	31.36	3.18	34.13	3.29	37.60	3.42
	68.0	16.38	2.66	19.84	2.79	23.31	2.92	26.78	3.05	30.94	3.21	33.71	3.32	37.18	3.45
	70.0	16.14	2.67	19.61	2.80	23.07	2.94	26.54	3.07	30.70	3.23	33.47	3.34	36.94	3.47
	71.6	15.95	2.68	19.42	2.82	22.89	2.95	26.35	3.08	30.51	3.24	33.28	3.35	36.75	3.48
	75.2	15.53	2.71	18.99	2.85	22.46	2.98	25.93	3.11	30.09	3.27	32.86	3.38	36.33	3.51



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS15L + FTXS15L	60.8	17.95	2.19	21.57	2.31	25.18	2.42	28.79	2.53	33.13	2.67	36.02	2.76	39.63	2.87
	64.4	17.51	2.22	21.12	2.33	24.74	2.44	28.35	2.56	32.69	2.69	35.58	2.78	39.19	2.89
	68.0	17.07	2.24	20.68	2.36	24.30	2.47	27.91	2.58	32.25	2.72	35.14	2.81	38.75	2.92
	70.0	16.82	2.26	20.44	2.37	24.05	2.48	27.66	2.60	32.00	2.73	34.89	2.82	38.50	2.93
	71.6	16.63	2.27	20.24	2.38	23.85	2.49	27.47	2.61	31.80	2.74	34.69	2.83	38.31	2.94
	75.2	16.19	2.29	19.80	2.41	23.41	2.52	27.03	2.63	31.36	2.77	34.25	2.86	37.87	2.97
CTXS09H + FTXS15L + CDXS15L	60.8	17.67	2.30	21.23	2.42	24.79	2.54	28.34	2.65	32.61	2.79	35.46	2.89	39.01	3.01
	64.4	17.24	2.33	20.79	2.44	24.35	2.56	27.91	2.68	32.18	2.82	35.02	2.91	38.58	3.03
	68.0	16.80	2.35	20.36	2.47	23.92	2.59	27.47	2.70	31.74	2.85	34.59	2.94	38.14	3.06
	70.0	16.56	2.37	20.12	2.48	23.67	2.60	27.23	2.72	31.50	2.86	34.35	2.95	37.90	3.07
	71.6	16.37	2.38	19.92	2.49	23.48	2.61	27.04	2.73	31.31	2.87	34.15	2.97	37.71	3.08
	75.2	15.93	2.40	19.49	2.52	23.05	2.64	26.60	2.76	30.87	2.90	33.72	2.99	37.27	3.11
CTXS09H + CDXS15L + CDXS15L	60.8	17.67	2.47	21.23	2.59	24.79	2.72	28.34	2.85	32.61	3.00	35.46	3.10	39.01	3.23
	64.4	17.24	2.50	20.79	2.62	24.35	2.75	27.91	2.88	32.18	3.03	35.02	3.13	38.58	3.25
	68.0	16.80	2.52	20.36	2.65	23.92	2.78	27.47	2.90	31.74	3.05	34.59	3.16	38.14	3.28
	70.0	16.56	2.54	20.12	2.67	23.67	2.79	27.23	2.92	31.50	3.07	34.35	3.17	37.90	3.30
	71.6	16.37	2.55	19.92	2.68	23.48	2.80	27.04	2.93	31.31	3.08	34.15	3.18	37.71	3.31
	75.2	15.93	2.58	19.49	2.71	23.05	2.83	26.60	2.96	30.87	3.11	33.72	3.21	37.27	3.34
FDXS09L + FTXS15L + FTXS15L	60.8	17.67	2.22	21.23	2.33	24.79	2.45	28.34	2.56	32.61	2.70	35.46	2.79	39.01	2.90
	64.4	17.24	2.24	20.79	2.36	24.35	2.47	27.91	2.58	32.18	2.72	35.02	2.81	38.58	2.93
	68.0	16.80	2.27	20.36	2.38	23.92	2.50	27.47	2.61	31.74	2.75	34.59	2.84	38.14	2.95
	70.0	16.56	2.28	20.12	2.40	23.67	2.51	27.23	2.62	31.50	2.76	34.35	2.85	37.90	2.96
	71.6	16.37	2.29	19.92	2.41	23.48	2.52	27.04	2.63	31.31	2.77	34.15	2.86	37.71	2.98
	75.2	15.93	2.32	19.49	2.43	23.05	2.55	26.60	2.66	30.87	2.80	33.72	2.89	37.27	3.00
FDXS09L + FTXS15L + CDXS15L	60.8	17.67	2.38	21.23	2.50	24.79	2.62	28.34	2.75	32.61	2.89	35.46	2.99	39.01	3.11
	64.4	17.24	2.41	20.79	2.53	24.35	2.65	27.91	2.77	32.18	2.92	35.02	3.02	38.58	3.14
	68.0	16.80	2.43	20.36	2.56	23.92	2.68	27.47	2.80	31.74	2.95	34.59	3.04	38.14	3.16
	70.0	16.56	2.45	20.12	2.57	23.67	2.69	27.23	2.81	31.50	2.96	34.35	3.06	37.90	3.18
	71.6	16.37	2.46	19.92	2.58	23.48	2.70	27.04	2.83	31.31	2.97	34.15	3.07	37.71	3.19
	75.2	15.93	2.49	19.49	2.61	23.05	2.73	26.60	2.85	30.87	3.00	33.72	3.10	37.27	3.22
FDXS09L + CDXS15L + CDXS15L	60.8	17.50	2.57	21.03	2.70	24.55	2.84	28.07	2.97	32.30	3.13	35.12	3.23	38.64	3.36
	64.4	17.07	2.60	20.60	2.73	24.12	2.87	27.64	3.00	31.87	3.16	34.69	3.26	38.21	3.39
	68.0	16.64	2.63	20.17	2.76	23.69	2.89	27.21	3.03	31.44	3.18	34.26	3.29	37.78	3.42
	70.0	16.40	2.65	19.93	2.78	23.45	2.91	26.97	3.04	31.20	3.20	34.02	3.31	37.54	3.44
	71.6	16.21	2.66	19.73	2.79	23.26	2.92	26.78	3.05	31.01	3.21	33.83	3.32	37.35	3.45
	75.2	15.78	2.69	19.30	2.82	22.83	2.95	26.35	3.08	30.58	3.24	33.40	3.35	36.92	3.48
CTXS12H + CTXS12H + CTXS12H	60.8	17.56	2.35	21.09	2.47	24.63	2.59	28.16	2.71	32.40	2.85	35.23	2.95	38.77	3.07
	64.4	17.13	2.37	20.66	2.49	24.20	2.61	27.73	2.73	31.97	2.88	34.80	2.98	38.33	3.10
	68.0	16.70	2.40	20.23	2.52	23.76	2.64	27.30	2.76	31.54	2.91	34.37	3.00	37.90	3.12
	70.0	16.46	2.41	19.99	2.54	23.52	2.66	27.06	2.78	31.30	2.92	34.13	3.02	37.66	3.14
	71.6	16.26	2.43	19.80	2.55	23.33	2.67	26.87	2.79	31.11	2.93	33.94	3.03	37.47	3.15
	75.2	15.83	2.45	19.37	2.57	22.90	2.69	26.43	2.81	30.68	2.96	33.50	3.05	37.04	3.17
CTXS12H + CTXS12H + FDXS12L	60.8	17.39	2.46	20.89	2.59	24.39	2.71	27.89	2.84	32.09	2.99	34.89	3.09	38.39	3.22
	64.4	16.96	2.49	20.46	2.61	23.96	2.74	27.47	2.87	31.67	3.02	34.47	3.12	37.97	3.24
	68.0	16.54	2.52	20.04	2.64	23.54	2.77	27.04	2.89	31.24	3.04	34.04	3.15	37.54	3.27
	70.0	16.30	2.53	19.80	2.66	23.30	2.78	26.80	2.91	31.00	3.06	33.80	3.16	37.30	3.29
	71.6	16.11	2.54	19.61	2.67	23.11	2.80	26.61	2.92	30.81	3.07	33.61	3.17	37.11	3.30
	75.2	15.68	2.57	19.18	2.70	22.68	2.82	26.18	2.95	30.38	3.10	33.18	3.20	36.68	3.33

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FDXS12L + FDXS12L	60.8	17.06	2.55	20.49	2.68	23.92	2.81	27.35	2.94	31.47	3.10	34.22	3.20	37.65	3.33
	64.4	16.64	2.58	20.07	2.71	23.50	2.84	26.93	2.97	31.05	3.13	33.80	3.23	37.23	3.36
	68.0	16.22	2.61	19.65	2.74	23.08	2.87	26.51	3.00	30.63	3.15	33.38	3.26	36.81	3.39
	70.0	15.98	2.62	19.42	2.75	22.85	2.88	26.28	3.01	30.40	3.17	33.15	3.27	36.58	3.40
	71.6	15.80	2.63	19.23	2.76	22.66	2.90	26.09	3.03	30.21	3.18	32.96	3.29	36.39	3.42
	75.2	15.38	2.66	18.81	2.79	22.24	2.92	25.67	3.05	29.79	3.21	32.54	3.32	35.97	3.45
FDXS12L + FDXS12L + FDXS12L	60.8	16.94	2.69	20.35	2.83	23.76	2.97	27.17	3.11	31.27	3.27	33.99	3.38	37.40	3.52
	64.4	16.53	2.72	19.94	2.86	23.35	3.00	26.76	3.14	30.85	3.30	33.58	3.41	36.99	3.55
	68.0	16.11	2.75	19.52	2.89	22.93	3.03	26.34	3.17	30.43	3.33	33.16	3.44	36.57	3.58
	70.0	15.88	2.77	19.29	2.91	22.70	3.05	26.11	3.18	30.20	3.35	32.93	3.46	36.34	3.60
	71.6	15.69	2.78	19.10	2.92	22.51	3.06	25.92	3.20	30.01	3.36	32.74	3.47	36.15	3.61
	75.2	15.28	2.81	18.69	2.95	22.10	3.09	25.51	3.23	29.60	3.39	32.33	3.50	35.74	3.64
CTXS12H + CTXS12H + FTXS15L	60.8	17.84	2.26	21.43	2.38	25.02	2.49	28.61	2.61	32.92	2.75	35.79	2.84	39.39	2.95
	64.4	17.40	2.28	20.99	2.40	24.58	2.52	28.17	2.63	32.48	2.77	35.36	2.86	38.95	2.98
	68.0	16.96	2.31	20.55	2.43	24.14	2.54	27.73	2.66	32.04	2.80	34.92	2.89	38.51	3.00
	70.0	16.72	2.32	20.31	2.44	23.90	2.56	27.49	2.67	31.80	2.81	34.67	2.90	38.26	3.02
	71.6	16.52	2.34	20.11	2.45	23.71	2.57	27.30	2.68	31.60	2.82	34.48	2.91	38.07	3.03
	75.2	16.08	2.36	19.68	2.48	23.27	2.59	26.86	2.71	31.17	2.85	34.04	2.94	37.63	3.05
CTXS12H + CTXS12H + CDXS15L	60.8	17.67	2.44	21.23	2.57	24.79	2.69	28.34	2.82	32.61	2.97	35.46	3.07	39.01	3.20
	64.4	17.24	2.47	20.79	2.60	24.35	2.72	27.91	2.85	32.18	3.00	35.02	3.10	38.58	3.22
	68.0	16.80	2.50	20.36	2.62	23.92	2.75	27.47	2.87	31.74	3.02	34.59	3.12	38.14	3.25
	70.0	16.56	2.51	20.12	2.64	23.67	2.76	27.23	2.89	31.50	3.04	34.35	3.14	37.90	3.27
	71.6	16.37	2.53	19.92	2.65	23.48	2.78	27.04	2.90	31.31	3.05	34.15	3.15	37.71	3.28
	75.2	15.93	2.55	19.49	2.68	23.05	2.80	26.60	2.93	30.87	3.08	33.72	3.18	37.27	3.30
CTXS12H + FDXS12L + FTXS15L	60.8	17.67	2.36	21.23	2.48	24.79	2.60	28.34	2.72	32.61	2.86	35.46	2.96	39.01	3.08
	64.4	17.24	2.38	20.79	2.50	24.35	2.62	27.91	2.74	32.18	2.89	35.02	2.99	38.58	3.11
	68.0	16.80	2.41	20.36	2.53	23.92	2.65	27.47	2.77	31.74	2.92	34.59	3.01	38.14	3.13
	70.0	16.56	2.42	20.12	2.54	23.67	2.66	27.23	2.79	31.50	2.93	34.35	3.03	37.90	3.15
	71.6	16.37	2.43	19.92	2.56	23.48	2.68	27.04	2.80	31.31	2.94	34.15	3.04	37.71	3.16
	75.2	15.93	2.46	19.49	2.58	23.05	2.70	26.60	2.82	30.87	2.97	33.72	3.06	37.27	3.19
CTXS12H + FDXS12L + CDXS15L	60.8	17.45	2.52	20.96	2.65	24.47	2.77	27.98	2.90	32.20	3.06	35.01	3.16	38.52	3.29
	64.4	17.02	2.54	20.53	2.67	24.04	2.80	27.55	2.93	31.77	3.09	34.58	3.19	38.09	3.32
	68.0	16.59	2.57	20.10	2.70	23.61	2.83	27.12	2.96	31.34	3.11	34.15	3.22	37.66	3.35
	70.0	16.35	2.59	19.86	2.72	23.37	2.85	26.89	2.98	31.10	3.13	33.91	3.23	37.42	3.36
	71.6	16.16	2.60	19.67	2.73	23.18	2.86	26.70	2.99	30.91	3.14	33.72	3.25	37.23	3.37
	75.2	15.73	2.63	19.24	2.76	22.75	2.89	26.27	3.02	30.48	3.17	33.29	3.27	36.80	3.40
FDXS12L + FDXS12L + FTXS15L	60.8	17.45	2.42	20.96	2.54	24.47	2.67	27.98	2.79	32.20	2.94	35.01	3.04	38.52	3.16
	64.4	17.02	2.45	20.53	2.57	24.04	2.70	27.55	2.82	31.77	2.97	34.58	3.07	38.09	3.19
	68.0	16.59	2.47	20.10	2.60	23.61	2.72	27.12	2.85	31.34	2.99	34.15	3.09	37.66	3.22
	70.0	16.35	2.49	19.86	2.61	23.37	2.74	26.89	2.86	31.10	3.01	33.91	3.11	37.42	3.23
	71.6	16.16	2.50	19.67	2.63	23.18	2.75	26.70	2.87	30.91	3.02	33.72	3.12	37.23	3.25
	75.2	15.73	2.53	19.24	2.65	22.75	2.78	26.27	2.90	30.48	3.05	33.29	3.15	36.80	3.27
FDXS12L + FDXS12L + CDXS15L	60.8	17.22	2.60	20.69	2.73	24.16	2.86	27.62	3.00	31.78	3.16	34.56	3.26	38.02	3.40
	64.4	16.80	2.63	20.27	2.76	23.73	2.89	27.20	3.03	31.36	3.18	34.13	3.29	37.60	3.42
	68.0	16.38	2.66	19.84	2.79	23.31	2.92	26.78	3.05	30.94	3.21	33.71	3.32	37.18	3.45
	70.0	16.14	2.67	19.61	2.80	23.07	2.94	26.54	3.07	30.70	3.23	33.47	3.34	36.94	3.47
	71.6	15.95	2.68	19.42	2.82	22.89	2.95	26.35	3.08	30.51	3.24	33.28	3.35	36.75	3.48
	75.2	15.53	2.71	18.99	2.85	22.46	2.98	25.93	3.11	30.09	3.27	32.86	3.38	36.33	3.51

**Symbols:**

EWB	: Entering wet bulb temp.	(°F)
EDB	: Entering dry bulb temp.	(°F)
TC	: Total capacity	(kBtu/h)
PI	: Power input	(kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

3D079003 ~ 3D079009  
3D079010 ~ 3D079015

### 7.3 4MXS32GVJU

1

Cooling [60 Hz, 208 - 230 V]

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L	68.0	7.79	0.54	8.14	0.55	8.49	0.56	8.66	0.56	9.19	0.58	9.54	0.59
	77.0	7.43	0.57	7.78	0.58	8.13	0.59	8.31	0.60	8.83	0.61	9.18	0.62
	86.0	7.08	0.61	7.43	0.62	7.78	0.63	7.95	0.63	8.48	0.65	8.83	0.66
	89.6	6.94	0.62	7.29	0.63	7.64	0.64	7.81	0.65	8.34	0.66	8.69	0.67
	95.0	6.72	0.64	7.07	0.65	7.42	0.67	7.60	0.67	8.13	0.69	8.48	0.70
	104.0	6.37	0.69	6.72	0.70	7.07	0.71	7.25	0.71	7.77	0.73	8.12	0.74
	109.4	6.16	0.71	6.51	0.72	6.86	0.73	7.03	0.74	7.56	0.75	7.91	0.76
	114.8	5.95	0.74	6.30	0.75	6.65	0.76	6.82	0.77	7.35	0.78	7.70	0.79
CTXS09H	68.0	9.94	0.66	10.38	0.67	10.83	0.68	11.05	0.69	11.73	0.71	12.17	0.72
	77.0	9.49	0.70	9.93	0.71	10.38	0.72	10.60	0.73	11.27	0.75	11.72	0.76
	86.0	9.03	0.74	9.48	0.75	9.93	0.77	10.15	0.77	10.82	0.79	11.27	0.81
	89.6	8.85	0.76	9.30	0.77	9.75	0.79	9.97	0.79	10.64	0.81	11.09	0.83
	95.0	8.58	0.79	9.03	0.80	9.48	0.81	9.70	0.82	10.37	0.84	10.82	0.85
	104.0	8.13	0.84	8.58	0.85	9.02	0.86	9.25	0.87	9.92	0.89	10.37	0.90
	109.4	7.86	0.87	8.31	0.88	8.75	0.90	8.98	0.90	9.65	0.92	10.09	0.94
	114.8	7.59	0.90	8.04	0.92	8.48	0.93	8.71	0.94	9.38	0.96	9.82	0.97
FDXS09L	68.0	9.63	0.71	10.06	0.72	10.50	0.73	10.71	0.74	11.36	0.76	11.80	0.78
	77.0	9.19	0.75	9.63	0.76	10.06	0.78	10.28	0.78	10.92	0.81	11.36	0.82
	86.0	8.76	0.80	9.19	0.81	9.62	0.82	9.84	0.83	10.49	0.85	10.92	0.87
	89.6	8.58	0.82	9.01	0.83	9.45	0.84	9.66	0.85	10.31	0.87	10.75	0.89
	95.0	8.32	0.85	8.75	0.86	9.18	0.87	9.40	0.88	10.05	0.90	10.48	0.92
	104.0	7.88	0.90	8.31	0.91	8.75	0.93	8.96	0.93	9.61	0.96	10.04	0.97
	109.4	7.62	0.93	8.05	0.95	8.48	0.96	8.70	0.97	9.35	0.99	9.78	1.00
	114.8	7.35	0.97	7.79	0.98	8.14	0.98	8.31	0.98	8.81	0.98	9.13	0.98
CTXS12H	68.0	13.32	0.91	13.92	0.93	14.52	0.94	14.82	0.95	15.71	0.98	16.31	1.00
	77.0	12.71	0.96	13.31	0.98	13.91	1.00	14.21	1.01	15.11	1.03	15.71	1.05
	86.0	12.11	1.02	12.71	1.04	13.31	1.06	13.61	1.07	14.50	1.09	15.10	1.11
	89.6	11.87	1.05	12.46	1.06	13.06	1.08	13.36	1.09	14.26	1.12	14.86	1.14
	95.0	11.50	1.09	12.10	1.10	12.70	1.12	13.00	1.13	13.90	1.16	14.50	1.18
	104.0	10.90	1.16	11.50	1.17	12.10	1.19	12.39	1.20	13.29	1.23	13.89	1.25
	109.4	10.53	1.20	11.13	1.22	11.73	1.24	12.03	1.24	12.93	1.27	13.53	1.29
	114.8	8.57	0.98	8.96	0.98	9.34	0.98	9.52	0.98	10.06	0.98	10.42	0.98
FDXS12L	68.0	11.28	0.82	12.95	0.95	13.51	0.97	13.79	0.98	14.63	1.01	15.18	1.02
	77.0	11.28	0.92	12.39	1.01	12.95	1.02	13.23	1.03	14.06	1.06	14.62	1.08
	86.0	11.27	1.05	11.83	1.07	12.38	1.09	12.66	1.10	13.50	1.12	14.06	1.14
	89.6	11.04	1.07	11.60	1.09	12.16	1.11	12.44	1.12	13.27	1.15	13.83	1.17
	95.0	10.71	1.11	11.26	1.13	11.82	1.15	12.10	1.16	12.94	1.19	13.49	1.21
	104.0	10.14	1.19	10.70	1.20	11.26	1.22	11.54	1.23	12.37	1.26	12.93	1.28
	109.4	9.80	1.23	10.36	1.25	10.92	1.27	11.20	1.28	12.03	1.31	12.59	1.32
	114.8	7.89	0.98	8.24	0.98	8.59	0.98	8.76	0.98	9.26	0.98	9.58	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FTXS15L	68.0	16.60	1.15	17.34	1.17	18.09	1.19	18.46	1.21	19.58	1.24	20.33	1.26
	77.0	15.84	1.22	16.59	1.24	17.34	1.26	17.71	1.27	18.83	1.31	19.57	1.33
	86.0	15.09	1.29	15.83	1.32	16.58	1.34	16.95	1.35	18.07	1.38	18.82	1.41
	89.6	14.79	1.32	15.53	1.35	16.28	1.37	16.65	1.38	17.77	1.42	18.52	1.44
	95.0	14.33	1.37	15.08	1.40	15.83	1.42	16.20	1.43	17.32	1.47	18.07	1.49
	104.0	13.58	1.46	14.33	1.49	15.07	1.51	15.45	1.52	16.57	1.55	17.31	1.58
	109.4	13.13	1.52	13.87	1.54	14.62	1.56	14.99	1.58	16.11	1.61	16.86	1.63
	114.8	9.11	0.98	9.51	0.98	9.89	0.98	10.08	0.98	10.63	0.98	10.98	0.98
CDXS15L	68.0	14.36	1.09	16.17	1.24	16.86	1.26	17.21	1.27	18.25	1.31	18.95	1.33
	77.0	14.36	1.23	15.46	1.31	16.16	1.33	16.51	1.35	17.55	1.38	18.25	1.41
	86.0	14.06	1.37	14.76	1.39	15.46	1.41	15.80	1.43	16.85	1.46	17.54	1.49
	89.6	13.78	1.40	14.48	1.42	15.17	1.45	15.52	1.46	16.57	1.50	17.26	1.52
	95.0	13.36	1.45	14.06	1.48	14.75	1.50	15.10	1.51	16.14	1.55	16.84	1.57
	104.0	12.66	1.54	13.35	1.57	14.05	1.59	14.40	1.60	15.44	1.64	16.14	1.66
	109.4	12.24	1.60	12.93	1.63	13.63	1.65	13.98	1.66	15.02	1.70	15.71	1.72
	114.8	8.36	0.98	8.72	0.98	9.06	0.98	9.23	0.98	9.73	0.98	10.05	0.98
FTXS18L	68.0	19.12	1.46	20.88	1.60	21.77	1.63	22.22	1.64	23.57	1.69	24.47	1.72
	77.0	19.07	1.66	19.97	1.69	20.87	1.72	21.32	1.74	22.66	1.78	23.56	1.82
	86.0	18.16	1.76	19.06	1.79	19.96	1.83	20.41	1.84	21.76	1.89	22.65	1.92
	89.6	17.80	1.81	18.70	1.84	19.60	1.87	20.04	1.88	21.39	1.93	22.29	1.96
	95.0	17.25	1.87	18.15	1.91	19.05	1.94	19.50	1.95	20.85	2.00	21.75	2.03
	104.0	16.35	1.99	17.24	2.03	18.14	2.06	18.59	2.07	19.94	2.12	20.84	2.15
	109.4	14.61	1.77	15.28	1.77	15.93	1.77	16.25	1.77	17.20	1.77	17.80	1.77
	114.8	9.34	0.98	9.71	0.98	10.07	0.98	10.24	0.98	10.76	0.98	11.10	0.98
CDXS18L	68.0	14.16	1.04	17.39	1.35	20.21	1.64	20.63	1.65	21.88	1.70	22.71	1.73
	77.0	14.16	1.17	17.39	1.53	19.37	1.73	19.79	1.75	21.04	1.79	21.87	1.83
	86.0	14.16	1.33	17.39	1.75	18.53	1.83	18.94	1.85	20.19	1.90	21.03	1.93
	89.6	14.16	1.40	17.35	1.85	18.19	1.88	18.61	1.89	19.86	1.94	20.69	1.97
	95.0	14.16	1.52	16.85	1.92	17.68	1.95	18.10	1.96	19.35	2.01	20.18	2.04
	104.0	14.16	1.77	16.01	2.04	16.84	2.07	17.26	2.08	18.51	2.13	19.34	2.16
	109.4	13.61	1.77	14.24	1.77	14.85	1.77	15.15	1.77	16.04	1.77	16.61	1.77
	114.8	8.82	0.98	9.17	0.98	9.51	0.98	9.67	0.98	10.16	0.98	10.48	0.98
CTXS07L + CTXS07L	68.0	17.01	1.05	17.77	1.07	18.54	1.09	18.92	1.10	20.07	1.14	20.83	1.16
	77.0	16.23	1.12	17.00	1.14	17.76	1.16	18.15	1.17	19.29	1.20	20.06	1.22
	86.0	15.46	1.18	16.23	1.21	16.99	1.23	17.37	1.24	18.52	1.27	19.28	1.29
	89.6	15.15	1.21	15.92	1.23	16.68	1.26	17.06	1.27	18.21	1.30	18.98	1.32
	95.0	14.69	1.26	15.45	1.28	16.22	1.30	16.60	1.31	17.75	1.34	18.51	1.36
	104.0	13.92	1.34	14.68	1.36	15.44	1.38	15.83	1.39	16.97	1.42	17.74	1.44
	109.4	13.45	1.39	14.22	1.41	14.98	1.43	15.36	1.44	16.51	1.47	17.28	1.50
	114.8	9.79	0.98	10.22	0.98	10.63	0.98	10.84	0.98	11.44	0.98	11.83	0.98
CTXS07L + CTXS09H	68.0	18.65	1.19	19.48	1.21	20.32	1.24	20.74	1.25	22.00	1.28	22.84	1.31
	77.0	17.80	1.26	18.64	1.28	19.48	1.31	19.89	1.32	21.15	1.35	21.99	1.38
	86.0	16.95	1.34	17.79	1.36	18.63	1.39	19.05	1.40	20.31	1.43	21.14	1.46
	89.6	16.61	1.37	17.45	1.39	18.29	1.42	18.71	1.43	19.97	1.47	20.80	1.49
	95.0	16.10	1.42	16.94	1.45	17.78	1.47	18.20	1.48	19.46	1.52	20.30	1.54
	104.0	15.26	1.51	16.09	1.54	16.93	1.56	17.35	1.57	18.61	1.61	19.45	1.63
	109.4	14.75	1.57	15.59	1.59	16.42	1.62	16.84	1.63	18.10	1.67	18.94	1.69
	114.8	9.90	0.98	10.32	0.98	10.74	0.98	10.94	0.98	11.53	0.98	11.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L	68.0	17.01	1.14	17.77	1.16	18.54	1.19	18.92	1.20	20.07	1.23	20.83	1.25
	77.0	16.23	1.21	17.00	1.23	17.76	1.25	18.15	1.27	19.29	1.30	20.06	1.32
	86.0	15.46	1.28	16.23	1.31	16.99	1.33	17.37	1.34	18.52	1.37	19.28	1.40
	89.6	15.15	1.32	15.92	1.34	16.68	1.36	17.06	1.37	18.21	1.41	18.98	1.43
	95.0	14.69	1.36	15.45	1.39	16.22	1.41	16.60	1.42	17.75	1.46	18.51	1.48
	104.0	13.92	1.45	14.68	1.47	15.44	1.50	15.83	1.51	16.97	1.54	17.74	1.57
	109.4	13.45	1.51	14.22	1.53	14.98	1.55	15.36	1.56	16.51	1.60	17.28	1.62
	114.8	9.34	0.98	9.75	0.98	10.14	0.98	10.33	0.98	10.90	0.98	11.26	0.98
CTXS07L + CTXS12H	68.0	21.82	1.53	22.80	1.56	23.78	1.59	24.28	1.60	25.75	1.65	26.73	1.68
	77.0	20.83	1.62	21.81	1.65	22.79	1.68	23.28	1.69	24.76	1.74	25.74	1.77
	86.0	19.84	1.72	20.82	1.75	21.80	1.78	22.29	1.79	23.76	1.84	24.75	1.87
	89.6	19.44	1.76	20.42	1.79	21.40	1.82	21.90	1.84	23.37	1.88	24.35	1.91
	95.0	18.85	1.83	19.83	1.86	20.81	1.89	21.30	1.90	22.77	1.95	23.75	1.98
	104.0	17.85	1.94	18.84	1.97	19.82	2.00	20.31	2.02	21.78	2.06	22.76	2.09
	109.4	16.06	1.77	16.79	1.77	17.51	1.77	17.86	1.77	18.89	1.77	19.55	1.77
	114.8	10.07	0.98	10.48	0.98	10.87	0.98	11.07	0.98	11.63	0.98	12.00	0.98
CTXS07L + FDXS12L	68.0	20.29	1.51	21.20	1.54	22.11	1.57	22.57	1.58	23.93	1.63	24.85	1.66
	77.0	19.36	1.60	20.28	1.63	21.19	1.66	21.64	1.68	23.01	1.72	23.92	1.75
	86.0	18.44	1.70	19.35	1.73	20.27	1.76	20.72	1.77	22.09	1.82	23.00	1.85
	89.6	18.07	1.74	18.98	1.77	19.90	1.80	20.35	1.82	21.72	1.86	22.63	1.89
	95.0	17.52	1.81	18.43	1.84	19.34	1.87	19.80	1.88	21.17	1.93	22.08	1.96
	104.0	16.60	1.92	17.51	1.95	18.42	1.98	18.88	2.00	20.25	2.04	21.16	2.07
	109.4	15.06	1.77	15.76	1.77	16.43	1.77	16.77	1.77	17.74	1.77	18.37	1.77
	114.8	9.55	0.98	9.94	0.98	10.31	0.98	10.49	0.98	11.03	0.98	11.38	0.98
CTXS07L + FTXS15L	68.0	26.74	2.22	27.94	2.26	29.14	2.30	29.75	2.33	31.55	2.39	32.75	2.44
	77.0	25.52	2.35	26.73	2.39	27.93	2.44	28.53	2.46	30.33	2.53	31.54	2.57
	86.0	24.31	2.50	25.51	2.54	26.71	2.58	27.32	2.61	29.12	2.67	30.32	2.72
	89.6	23.82	2.56	25.03	2.60	26.23	2.64	26.83	2.67	28.63	2.73	29.84	2.78
	95.0	23.09	2.65	24.30	2.70	25.50	2.74	26.10	2.76	27.90	2.83	29.11	2.87
	104.0	21.22	2.56	22.22	2.56	23.20	2.56	23.67	2.56	25.08	2.56	25.99	2.56
	109.4	16.99	1.77	17.68	1.77	18.35	1.77	18.68	1.77	19.65	1.77	20.28	1.77
	114.8	10.76	0.98	11.13	0.98	11.50	0.98	11.69	0.98	12.22	0.98	12.57	0.98
CTXS07L + CDXS15L	68.0	23.97	1.90	25.05	1.93	26.13	1.97	26.67	1.99	28.29	2.05	29.36	2.08
	77.0	22.88	2.01	23.96	2.05	25.04	2.08	25.58	2.10	27.20	2.16	28.27	2.20
	86.0	21.79	2.13	22.87	2.17	23.95	2.21	24.49	2.23	26.11	2.28	27.18	2.32
	89.6	21.36	2.19	22.44	2.22	23.51	2.26	24.05	2.28	25.67	2.34	26.75	2.37
	95.0	20.70	2.27	21.78	2.31	22.86	2.34	23.40	2.36	25.02	2.42	26.10	2.46
	104.0	19.62	2.41	20.69	2.45	21.77	2.49	22.31	2.51	23.91	2.56	24.82	2.56
	109.4	16.07	1.77	16.76	1.77	17.43	1.77	17.77	1.77	18.74	1.77	19.36	1.77
	114.8	10.19	0.98	10.57	0.98	10.94	0.98	11.12	0.98	11.66	0.98	12.00	0.98
CTXS07L + FTXS18L	68.0	27.25	2.27	28.48	2.32	29.70	2.36	30.32	2.39	32.15	2.45	33.38	2.50
	77.0	26.01	2.41	27.24	2.45	28.46	2.50	29.08	2.52	30.92	2.59	32.14	2.64
	86.0	24.77	2.56	26.00	2.60	27.23	2.65	27.84	2.67	29.68	2.74	30.90	2.78
	89.6	24.28	2.62	25.50	2.67	26.73	2.71	27.34	2.73	29.18	2.80	30.41	2.85
	95.0	23.54	2.72	24.76	2.77	25.99	2.81	26.60	2.83	28.44	2.90	29.66	2.95
	104.0	21.47	2.56	22.47	2.56	23.45	2.56	23.93	2.56	25.34	2.56	26.26	2.56
	109.4	17.18	1.77	17.87	1.77	18.54	1.77	18.87	1.77	19.84	1.77	20.47	1.77
	114.8	10.87	0.98	11.25	0.98	11.62	0.98	11.80	0.98	12.34	0.98	12.69	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CDXS18L	68.0	24.28	1.94	25.37	1.97	26.46	2.01	27.01	2.03	28.65	2.09	29.74	2.13
	77.0	23.18	2.05	24.27	2.09	25.36	2.13	25.91	2.15	27.54	2.21	28.64	2.24
	86.0	22.07	2.18	23.17	2.22	24.26	2.26	24.80	2.28	26.44	2.33	27.53	2.37
	89.6	21.63	2.23	22.72	2.27	23.82	2.31	24.36	2.33	26.00	2.39	27.09	2.43
	95.0	20.97	2.32	22.06	2.35	23.15	2.39	23.70	2.41	25.34	2.47	26.43	2.51
	104.0	19.87	2.46	20.96	2.50	22.05	2.54	22.60	2.56	24.00	2.56	24.91	2.56
	109.4	16.16	1.77	16.84	1.77	17.51	1.77	17.84	1.77	18.81	1.77	19.44	1.77
CTXS09H + CTXS09H	68.0	20.29	1.33	21.20	1.36	22.11	1.39	22.57	1.40	23.93	1.44	24.85	1.47
	77.0	19.36	1.41	20.28	1.44	21.19	1.47	21.64	1.48	23.01	1.52	23.92	1.55
	86.0	18.44	1.50	19.35	1.53	20.27	1.55	20.72	1.57	22.09	1.61	23.00	1.63
	89.6	18.07	1.54	18.98	1.56	19.90	1.59	20.35	1.60	21.72	1.64	22.63	1.67
	95.0	17.52	1.60	18.43	1.62	19.34	1.65	19.80	1.66	21.17	1.70	22.08	1.73
	104.0	16.60	1.70	17.51	1.72	18.42	1.75	18.88	1.76	20.25	1.80	21.16	1.83
	109.4	16.04	1.76	16.86	1.77	17.60	1.77	17.97	1.77	19.03	1.77	19.72	1.77
CTXS09H + FDXS09L	68.0	18.65	1.32	19.48	1.34	20.32	1.37	20.74	1.38	22.00	1.42	22.84	1.45
	77.0	17.80	1.40	18.64	1.42	19.48	1.45	19.89	1.46	21.15	1.50	21.99	1.53
	86.0	16.95	1.48	17.79	1.51	18.63	1.54	19.05	1.55	20.31	1.59	21.14	1.61
	89.6	16.61	1.52	17.45	1.55	18.29	1.57	18.71	1.58	19.97	1.62	20.80	1.65
	95.0	16.10	1.58	16.94	1.60	17.78	1.63	18.20	1.64	19.46	1.68	20.30	1.71
	104.0	15.26	1.68	16.09	1.70	16.93	1.73	17.35	1.74	18.61	1.78	19.45	1.81
	109.4	14.75	1.74	15.59	1.77	16.31	1.77	16.65	1.77	17.65	1.77	18.30	1.77
FDXS09L + FDXS09L	68.0	16.90	1.23	17.66	1.25	18.42	1.28	18.80	1.29	19.95	1.33	20.71	1.35
	77.0	16.14	1.30	16.90	1.33	17.66	1.35	18.04	1.36	19.18	1.40	19.94	1.42
	86.0	15.37	1.38	16.13	1.41	16.89	1.43	17.27	1.44	18.41	1.48	19.17	1.51
	89.6	15.06	1.42	15.82	1.44	16.58	1.47	16.96	1.48	18.10	1.52	18.86	1.54
	95.0	14.60	1.47	15.36	1.49	16.12	1.52	16.50	1.53	17.64	1.57	18.40	1.59
	104.0	13.83	1.56	14.59	1.59	15.35	1.61	15.73	1.63	16.87	1.66	17.63	1.69
	109.4	13.37	1.62	14.13	1.65	14.89	1.67	15.27	1.69	16.41	1.72	17.17	1.75
CTXS09H + CTXS12H	68.0	23.36	1.73	24.41	1.77	25.46	1.80	25.98	1.82	27.56	1.87	28.61	1.91
	77.0	22.30	1.84	23.35	1.87	24.40	1.91	24.92	1.93	26.50	1.98	27.55	2.01
	86.0	21.24	1.95	22.29	1.99	23.34	2.02	23.86	2.04	25.44	2.09	26.49	2.13
	89.6	20.81	2.00	21.86	2.04	22.91	2.07	23.44	2.09	25.01	2.14	26.06	2.17
	95.0	20.17	2.08	21.22	2.11	22.27	2.15	22.80	2.16	24.38	2.21	25.43	2.25
	104.0	19.11	2.21	20.16	2.24	21.21	2.28	21.74	2.29	23.31	2.35	24.36	2.38
	109.4	16.17	1.77	16.88	1.77	17.58	1.77	17.92	1.77	18.92	1.77	19.57	1.77
CTXS09H + FDXS12L	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
114.8	9.74	0.98	10.11	0.98	10.48	0.98	10.66	0.98	11.18	0.98	11.53	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H	68.0	21.82	1.71	22.80	1.74	23.78	1.78	24.28	1.80	25.75	1.85	26.73	1.88
	77.0	20.83	1.81	21.81	1.85	22.79	1.88	23.28	1.90	24.76	1.95	25.74	1.98
	86.0	19.84	1.93	20.82	1.96	21.80	1.99	22.29	2.01	23.76	2.06	24.75	2.10
	89.6	19.44	1.97	20.42	2.01	21.40	2.04	21.90	2.06	23.37	2.11	24.35	2.14
	95.0	18.85	2.05	19.83	2.08	20.81	2.12	21.30	2.13	22.77	2.18	23.75	2.22
	104.0	17.85	2.18	18.84	2.21	19.82	2.25	20.31	2.26	21.78	2.31	22.76	2.35
	109.4	15.30	1.77	15.98	1.77	16.65	1.77	16.97	1.77	17.93	1.77	18.55	1.77
FDXS09L + FDXS12L	68.0	20.18	1.64	21.09	1.67	22.00	1.70	22.45	1.72	23.81	1.77	24.72	1.80
	77.0	19.27	1.74	20.17	1.77	21.08	1.80	21.53	1.82	22.90	1.87	23.80	1.90
	86.0	18.35	1.84	19.26	1.88	20.16	1.91	20.62	1.93	21.98	1.97	22.89	2.01
	89.6	17.98	1.89	18.89	1.92	19.80	1.95	20.25	1.97	21.61	2.02	22.52	2.05
	95.0	17.43	1.96	18.34	1.99	19.25	2.03	19.70	2.04	21.06	2.09	21.97	2.12
	104.0	16.51	2.09	17.42	2.12	18.33	2.15	18.78	2.17	20.14	2.22	21.05	2.25
	109.4	14.49	1.77	15.15	1.77	15.79	1.77	16.10	1.77	17.02	1.77	17.62	1.77
CTXS09H + FTXS15L	68.0	26.64	2.17	27.84	2.21	29.03	2.25	29.63	2.28	31.43	2.34	32.63	2.38
	77.0	25.43	2.30	26.62	2.34	27.82	2.39	28.42	2.41	30.22	2.47	31.42	2.51
	86.0	24.22	2.44	25.41	2.48	26.61	2.53	27.21	2.55	29.01	2.61	30.21	2.66
	89.6	23.73	2.50	24.93	2.54	26.13	2.59	26.73	2.61	28.52	2.67	29.72	2.72
	95.0	23.01	2.59	24.20	2.64	25.40	2.68	26.00	2.70	27.80	2.77	28.99	2.81
	104.0	21.26	2.56	22.27	2.56	23.26	2.56	23.74	2.56	25.16	2.56	26.08	2.56
	109.4	16.99	1.77	17.69	1.77	18.36	1.77	18.70	1.77	19.67	1.77	20.31	1.77
CTXS09H + CDXS15L	68.0	26.02	2.26	27.19	2.31	28.36	2.35	28.95	2.38	30.70	2.45	31.87	2.49
	77.0	24.84	2.40	26.01	2.45	27.18	2.49	27.77	2.51	29.52	2.58	30.69	2.63
	86.0	23.66	2.55	24.83	2.59	26.00	2.64	26.58	2.66	28.34	2.73	29.51	2.77
	89.6	23.18	2.61	24.35	2.66	25.52	2.70	26.11	2.72	27.86	2.79	29.04	2.84
	95.0	22.47	2.71	23.64	2.76	24.81	2.80	25.40	2.82	27.16	2.89	28.33	2.94
	104.0	20.60	2.56	21.57	2.56	22.51	2.56	22.98	2.56	24.34	2.56	25.23	2.56
	109.4	16.61	1.77	17.28	1.77	17.93	1.77	18.25	1.77	19.19	1.77	19.80	1.77
FDXS09L + FTXS15L	68.0	25.10	2.09	26.23	2.13	27.36	2.17	27.92	2.19	29.62	2.25	30.74	2.30
	77.0	23.96	2.21	25.09	2.26	26.22	2.30	26.78	2.32	28.47	2.38	29.60	2.42
	86.0	22.82	2.35	23.95	2.39	25.08	2.43	25.64	2.45	27.33	2.52	28.46	2.56
	89.6	22.36	2.41	23.49	2.45	24.62	2.49	25.18	2.51	26.88	2.57	28.01	2.62
	95.0	21.68	2.50	22.81	2.54	23.94	2.58	24.50	2.60	26.19	2.67	27.32	2.71
	104.0	20.29	2.56	21.28	2.56	22.24	2.56	22.71	2.56	24.09	2.56	24.99	2.56
	109.4	16.33	1.77	17.01	1.77	17.67	1.77	17.99	1.77	18.94	1.77	19.56	1.77
FDXS09L + CDXS15L	68.0	24.49	2.22	25.59	2.27	26.69	2.31	27.24	2.34	28.89	2.40	29.99	2.45
	77.0	23.37	2.36	24.47	2.40	25.58	2.45	26.13	2.47	27.78	2.54	28.88	2.58
	86.0	22.26	2.50	23.36	2.55	24.46	2.59	25.01	2.61	26.66	2.68	27.77	2.73
	89.6	21.81	2.57	22.92	2.61	24.02	2.65	24.57	2.68	26.22	2.74	27.32	2.79
	95.0	21.15	2.66	22.25	2.71	23.35	2.75	23.90	2.77	25.55	2.84	26.65	2.88
	104.0	19.53	2.56	20.47	2.56	21.38	2.56	21.83	2.56	23.14	2.56	24.00	2.56
	109.4	15.91	1.77	16.55	1.77	17.18	1.77	17.49	1.77	18.39	1.77	18.98	1.77
114.8	10.20	0.98	10.55	0.98	10.90	0.98	11.07	0.98	11.57	0.98	11.89	0.98	



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS18L	68.0	27.76	2.43	29.01	2.47	30.26	2.52	30.89	2.55	32.76	2.62	34.01	2.67
	77.0	26.50	2.57	27.75	2.62	29.00	2.67	29.62	2.69	31.50	2.76	32.75	2.81
	86.0	25.24	2.73	26.49	2.78	27.74	2.83	28.36	2.85	30.23	2.92	31.48	2.97
	89.6	24.74	2.80	25.98	2.85	27.23	2.89	27.86	2.92	29.73	2.99	30.98	3.04
	95.0	23.98	2.90	25.23	2.95	26.48	3.00	27.10	3.02	28.97	3.10	30.22	3.14
	104.0	21.60	2.56	22.58	2.56	23.54	2.56	24.01	2.56	25.40	2.56	26.30	2.56
	109.4	17.34	1.77	18.01	1.77	18.67	1.77	19.00	1.77	19.95	1.77	20.57	1.77
CTXS09H + CDXS18L	68.0	27.05	2.51	28.26	2.56	29.48	2.61	30.09	2.63	31.91	2.71	33.13	2.76
	77.0	25.82	2.66	27.03	2.71	28.25	2.76	28.86	2.78	30.68	2.86	31.90	2.91
	86.0	24.59	2.82	25.80	2.87	27.02	2.92	27.63	2.95	29.45	3.02	30.67	3.07
	89.6	24.10	2.89	25.31	2.94	26.53	2.99	27.14	3.01	28.96	3.09	30.18	3.14
	95.0	23.36	3.00	24.58	3.05	25.79	3.10	26.40	3.12	28.22	3.20	29.44	3.25
	104.0	21.06	2.56	22.01	2.56	22.94	2.56	23.39	2.56	24.73	2.56	25.60	2.56
	109.4	17.03	1.77	17.68	1.77	18.32	1.77	18.63	1.77	19.56	1.77	20.16	1.77
FDXS09L + FTXS18L	68.0	27.35	2.64	28.58	2.69	29.81	2.75	30.43	2.77	32.27	2.85	33.50	2.91
	77.0	26.11	2.80	27.34	2.85	28.57	2.91	29.19	2.93	31.03	3.01	32.26	3.06
	86.0	24.87	2.97	26.10	3.03	27.33	3.08	27.94	3.11	29.79	3.18	31.02	3.24
	89.6	24.37	3.05	25.60	3.10	26.83	3.15	27.45	3.18	29.29	3.26	30.52	3.31
	95.0	23.62	3.16	24.85	3.21	26.08	3.27	26.70	3.29	28.55	3.37	29.78	3.43
	104.0	21.24	2.56	22.18	2.56	23.09	2.56	23.54	2.56	24.87	2.56	25.73	2.56
	109.4	17.22	1.77	17.86	1.77	18.49	1.77	18.80	1.77	19.71	1.77	20.30	1.77
FDXS09L + CDXS18L	68.0	25.44	2.52	27.84	2.83	29.03	2.89	29.63	2.92	31.43	3.00	32.63	3.06
	77.0	25.43	2.95	26.62	3.00	27.82	3.06	28.42	3.08	30.22	3.17	31.42	3.22
	86.0	24.22	3.13	25.41	3.18	26.61	3.24	27.21	3.27	29.01	3.35	30.21	3.40
	89.6	23.73	3.21	24.93	3.26	26.13	3.32	26.73	3.34	28.52	3.43	29.72	3.48
	95.0	23.01	3.33	24.20	3.38	25.40	3.44	26.00	3.46	27.80	3.55	28.99	3.60
	104.0	20.89	2.56	21.79	2.56	22.67	2.56	23.11	2.56	24.38	2.56	25.22	2.56
	109.4	17.06	1.77	17.68	1.77	18.28	1.77	18.58	1.77	19.46	1.77	20.03	1.77
CTXS12H + CTXS12H	68.0	26.74	2.44	27.94	2.49	29.14	2.54	29.75	2.56	31.55	2.64	32.75	2.68
	77.0	25.52	2.59	26.73	2.64	27.93	2.69	28.53	2.71	30.33	2.78	31.54	2.83
	86.0	24.31	2.75	25.51	2.80	26.71	2.85	27.32	2.87	29.12	2.94	30.32	2.99
	89.6	23.82	2.82	25.03	2.86	26.23	2.91	26.83	2.94	28.63	3.01	29.84	3.06
	95.0	23.09	2.92	24.30	2.97	25.50	3.02	26.10	3.04	27.90	3.12	29.11	3.16
	104.0	20.89	2.56	21.84	2.56	22.77	2.56	23.23	2.56	24.58	2.56	25.45	2.56
	109.4	16.89	1.77	17.54	1.77	18.18	1.77	18.50	1.77	19.43	1.77	20.03	1.77
FDXS12L + CTXS12H	68.0	25.20	2.40	26.34	2.45	27.47	2.50	28.04	2.52	29.74	2.59	30.87	2.64
	77.0	24.06	2.55	25.19	2.59	26.32	2.64	26.89	2.67	28.59	2.74	29.72	2.78
	86.0	22.91	2.70	24.05	2.75	25.18	2.80	25.75	2.82	27.45	2.89	28.58	2.94
	89.6	22.45	2.77	23.59	2.82	24.72	2.87	25.29	2.89	26.99	2.96	28.12	3.01
	95.0	21.77	2.87	22.90	2.92	24.03	2.97	24.60	2.99	26.30	3.06	27.43	3.11
	104.0	19.87	2.56	20.79	2.56	21.69	2.56	22.13	2.56	23.43	2.56	24.27	2.56
	109.4	16.21	1.77	16.84	1.77	17.46	1.77	17.77	1.77	18.66	1.77	19.24	1.77
114.8	10.41	0.98	10.75	0.98	11.09	0.98	11.26	0.98	11.76	0.98	12.08	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS12L + FDXS12L	68.0	22.56	2.12	24.62	2.35	25.68	2.40	26.21	2.42	27.80	2.49	28.86	2.53
	77.0	22.49	2.44	23.55	2.49	24.61	2.54	25.14	2.56	26.73	2.63	27.79	2.67
	86.0	21.42	2.59	22.48	2.64	23.54	2.69	24.07	2.71	25.66	2.78	26.72	2.82
	89.6	20.99	2.66	22.05	2.70	23.11	2.75	23.64	2.77	25.23	2.84	26.29	2.89
	95.0	20.35	2.76	21.41	2.80	22.47	2.85	23.00	2.87	24.59	2.94	25.65	2.99
	104.0	18.78	2.56	19.67	2.56	20.54	2.56	20.97	2.56	22.23	2.56	23.05	2.56
	109.4	15.46	1.77	16.07	1.77	16.67	1.77	16.97	1.77	17.84	1.77	18.40	1.77
	114.8	9.99	0.98	10.33	0.98	10.66	0.98	10.82	0.98	11.30	0.98	11.61	0.98
CTXS12H + FTXS15L	68.0	27.87	2.47	29.12	2.52	30.37	2.57	31.00	2.60	32.88	2.67	34.13	2.72
	77.0	26.60	2.62	27.85	2.67	29.11	2.72	29.73	2.75	31.61	2.82	32.87	2.87
	86.0	25.33	2.78	26.59	2.83	27.84	2.88	28.47	2.91	30.35	2.98	31.60	3.03
	89.6	24.83	2.85	26.08	2.90	27.33	2.95	27.96	2.98	29.84	3.05	31.09	3.10
	95.0	24.07	2.96	25.32	3.01	26.57	3.06	27.20	3.08	29.08	3.16	30.33	3.21
	104.0	21.62	2.56	22.60	2.56	23.55	2.56	24.02	2.56	25.40	2.56	26.29	2.56
	109.4	17.38	1.77	18.05	1.77	18.70	1.77	19.03	1.77	19.97	1.77	20.59	1.77
	114.8	11.03	0.98	11.40	0.98	11.76	0.98	11.94	0.98	12.46	0.98	12.80	0.98
CTXS12H + CDXS15L	68.0	27.15	2.56	28.37	2.61	29.59	2.66	30.20	2.69	32.03	2.77	33.25	2.82
	77.0	25.92	2.72	27.14	2.77	28.36	2.82	28.97	2.84	30.80	2.92	32.02	2.97
	86.0	24.68	2.88	25.90	2.93	27.12	2.99	27.73	3.01	29.57	3.09	30.79	3.14
	89.6	24.19	2.95	25.41	3.01	26.63	3.06	27.24	3.08	29.07	3.16	30.29	3.21
	95.0	23.45	3.07	24.67	3.12	25.89	3.17	26.50	3.19	28.33	3.27	29.55	3.32
	104.0	21.11	2.56	22.05	2.56	22.97	2.56	23.43	2.56	24.76	2.56	25.62	2.56
	109.4	17.09	1.77	17.74	1.77	18.37	1.77	18.68	1.77	19.60	1.77	20.20	1.77
	114.8	10.91	0.98	11.26	0.98	11.61	0.98	11.78	0.98	12.29	0.98	12.62	0.98
FDXS12L + FTXS15L	68.0	27.05	2.59	28.26	2.64	29.48	2.69	30.09	2.71	31.91	2.79	33.13	2.84
	77.0	25.82	2.74	27.03	2.79	28.25	2.84	28.86	2.87	30.68	2.95	31.90	3.00
	86.0	24.59	2.91	25.80	2.96	27.02	3.01	27.63	3.04	29.45	3.12	30.67	3.17
	89.6	24.10	2.98	25.31	3.03	26.53	3.09	27.14	3.11	28.96	3.19	30.18	3.24
	95.0	23.36	3.09	24.58	3.15	25.79	3.20	26.40	3.22	28.22	3.30	29.44	3.35
	104.0	21.04	2.56	21.98	2.56	22.89	2.56	23.34	2.56	24.67	2.56	25.53	2.56
	109.4	17.06	1.77	17.70	1.77	18.33	1.77	18.64	1.77	19.55	1.77	20.15	1.77
	114.8	10.90	0.98	11.25	0.98	11.60	0.98	11.77	0.98	12.27	0.98	12.60	0.98
FDXS12L + CDXS15L	68.0	25.64	2.52	27.51	2.72	28.70	2.77	29.29	2.80	31.07	2.88	32.25	2.93
	77.0	25.13	2.83	26.32	2.88	27.50	2.93	28.09	2.96	29.87	3.04	31.05	3.09
	86.0	23.94	3.00	25.12	3.05	26.30	3.11	26.90	3.13	28.67	3.21	29.86	3.27
	89.6	23.46	3.08	24.64	3.13	25.83	3.18	26.42	3.21	28.19	3.29	29.38	3.34
	95.0	22.74	3.19	23.92	3.24	25.11	3.30	25.70	3.32	27.48	3.40	28.66	3.46
	104.0	20.62	2.56	21.52	2.56	22.41	2.56	22.85	2.56	24.13	2.56	24.97	2.56
	109.4	16.82	1.77	17.45	1.77	18.06	1.77	18.36	1.77	19.25	1.77	19.82	1.77
	114.8	10.80	0.98	11.14	0.98	11.48	0.98	11.65	0.98	12.13	0.98	12.45	0.98
CTXS12H + FTXS18L	68.0	28.99	2.85	30.30	2.91	31.60	2.96	32.25	2.99	34.21	3.08	35.51	3.13
	77.0	27.68	3.02	28.98	3.08	30.28	3.14	30.94	3.16	32.89	3.25	34.20	3.31
	86.0	26.36	3.21	27.66	3.27	28.97	3.32	29.62	3.35	31.57	3.44	32.88	3.49
	89.6	25.83	3.29	27.13	3.35	28.44	3.40	29.09	3.43	31.05	3.52	32.35	3.57
	95.0	25.04	3.41	26.34	3.47	27.65	3.53	28.30	3.55	30.26	3.64	31.56	3.70
	104.0	22.33	2.56	23.28	2.56	24.20	2.56	24.66	2.56	26.00	2.56	26.87	2.56
	109.4	18.02	1.77	18.67	1.77	19.31	1.77	19.62	1.77	20.55	1.77	21.15	1.77
	114.8	11.47	0.98	11.83	0.98	12.18	0.98	12.35	0.98	12.86	0.98	13.20	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CDXS18L	68.0	28.28	2.93	29.55	2.99	30.82	3.05	31.46	3.08	33.36	3.16	34.63	3.22
	77.0	26.99	3.11	28.26	3.17	29.53	3.22	30.17	3.25	32.08	3.34	33.35	3.40
	86.0	25.71	3.30	26.98	3.36	28.25	3.42	28.89	3.45	30.79	3.53	32.06	3.59
	89.6	25.19	3.38	26.46	3.44	27.74	3.50	28.37	3.53	30.28	3.61	31.55	3.67
	95.0	24.42	3.51	25.69	3.57	26.96	3.62	27.60	3.65	29.51	3.74	30.78	3.80
	104.0	22.01	2.56	22.93	2.56	23.83	2.56	24.27	2.56	25.58	2.56	26.43	2.56
	109.4	17.85	1.77	18.48	1.77	19.10	1.77	19.41	1.77	20.31	1.77	20.90	1.77
	114.8	11.41	0.98	11.75	0.98	12.10	0.98	12.27	0.98	12.76	0.98	13.09	0.98
FDXS12L + FTXS18L	68.0	28.07	2.91	29.33	2.97	30.60	3.03	31.23	3.06	33.12	3.15	34.38	3.21
	77.0	26.80	3.09	28.06	3.15	29.32	3.21	29.95	3.24	31.85	3.32	33.11	3.38
	86.0	25.52	3.28	26.78	3.34	28.04	3.40	28.68	3.43	30.57	3.51	31.83	3.57
	89.6	25.01	3.36	26.27	3.42	27.53	3.48	28.17	3.51	30.06	3.59	31.32	3.65
	95.0	24.24	3.49	25.51	3.55	26.77	3.60	27.40	3.63	29.29	3.72	30.56	3.78
	104.0	21.87	2.56	22.79	2.56	23.69	2.56	24.13	2.56	25.43	2.56	26.28	2.56
	109.4	17.76	1.77	18.39	1.77	19.01	1.77	19.31	1.77	20.21	1.77	20.79	1.77
	114.8	11.35	0.98	11.70	0.98	12.04	0.98	12.21	0.98	12.70	0.98	13.03	0.98
FDXS12L + CDXS18L	68.0	25.44	2.57	28.26	3.00	29.48	3.06	30.09	3.09	31.91	3.17	33.13	3.23
	77.0	25.44	3.01	27.03	3.17	28.25	3.23	28.86	3.26	30.68	3.35	31.90	3.41
	86.0	24.59	3.31	25.80	3.37	27.02	3.43	27.63	3.46	29.45	3.54	30.67	3.60
	89.6	24.10	3.39	25.31	3.45	26.53	3.51	27.14	3.54	28.96	3.62	30.18	3.68
	95.0	23.36	3.52	24.58	3.58	25.79	3.63	26.40	3.66	28.22	3.75	29.44	3.81
	104.0	21.33	2.56	22.22	2.56	23.10	2.56	23.53	2.56	24.80	2.56	25.62	2.56
	109.4	17.42	1.77	18.03	1.77	18.63	1.77	18.93	1.77	19.81	1.77	20.38	1.77
	114.8	11.18	0.98	11.52	0.98	11.85	0.98	12.02	0.98	12.50	0.98	12.82	0.98
FTXS15L + FTXS15L	68.0	29.10	2.55	30.40	2.60	31.71	2.66	32.37	2.68	34.33	2.76	35.64	2.81
	77.0	27.77	2.71	29.08	2.76	30.39	2.81	31.04	2.83	33.01	2.91	34.32	2.96
	86.0	26.45	2.87	27.76	2.93	29.07	2.98	29.72	3.00	31.69	3.08	32.99	3.13
	89.6	25.92	2.95	27.23	3.00	28.54	3.05	29.19	3.07	31.16	3.15	32.46	3.20
	95.0	25.13	3.06	26.44	3.11	27.75	3.16	28.40	3.18	30.36	3.26	31.67	3.31
	104.0	22.36	2.56	23.36	2.56	24.33	2.56	24.80	2.56	26.20	2.56	27.11	2.56
	109.4	17.90	1.77	18.58	1.77	19.24	1.77	19.57	1.77	20.54	1.77	21.17	1.77
	114.8	11.32	0.98	11.70	0.98	12.06	0.98	12.24	0.98	12.78	0.98	13.12	0.98
CDXS15L + FTXS15L	68.0	28.38	2.80	29.66	2.86	30.93	2.91	31.57	2.94	33.48	3.03	34.76	3.08
	77.0	27.09	2.97	28.37	3.03	29.64	3.08	30.28	3.11	32.19	3.19	33.47	3.25
	86.0	25.80	3.16	27.08	3.21	28.35	3.27	28.99	3.29	30.90	3.38	32.18	3.43
	89.6	25.28	3.23	26.56	3.29	27.84	3.34	28.47	3.37	30.39	3.46	31.66	3.51
	95.0	24.51	3.35	25.79	3.41	27.06	3.47	27.70	3.49	29.61	3.58	30.89	3.63
	104.0	21.94	2.56	22.88	2.56	23.79	2.56	24.24	2.56	25.57	2.56	26.44	2.56
	109.4	17.74	1.77	18.39	1.77	19.02	1.77	19.33	1.77	20.25	1.77	20.84	1.77
	114.8	11.31	0.98	11.67	0.98	12.02	0.98	12.19	0.98	12.69	0.98	13.02	0.98
CDXS15L + CDXS15L	68.0	27.66	2.73	28.91	2.78	30.15	2.84	30.77	2.87	32.64	2.95	33.88	3.00
	77.0	26.40	2.89	27.65	2.95	28.89	3.00	29.51	3.03	31.38	3.11	32.62	3.17
	86.0	25.15	3.07	26.39	3.13	27.64	3.18	28.26	3.21	30.12	3.29	31.37	3.35
	89.6	24.64	3.15	25.89	3.20	27.13	3.26	27.75	3.29	29.62	3.37	30.86	3.42
	95.0	23.89	3.27	25.13	3.32	26.38	3.38	27.00	3.40	28.87	3.49	30.11	3.54
	104.0	21.46	2.56	22.39	2.56	23.31	2.56	23.75	2.56	25.07	2.56	25.93	2.56
	109.4	17.40	1.77	18.04	1.77	18.67	1.77	18.98	1.77	19.89	1.77	20.48	1.77
	114.8	11.12	0.98	11.47	0.98	11.81	0.98	11.98	0.98	12.49	0.98	12.81	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FTXS15L + FTXS18L	68.0	30.12	2.94	31.48	3.00	32.83	3.06	33.51	3.09	35.54	3.17	36.89	3.23
	77.0	28.75	3.12	30.11	3.17	31.46	3.23	32.14	3.26	34.17	3.35	35.52	3.41
	86.0	27.38	3.31	28.74	3.37	30.09	3.43	30.77	3.46	32.80	3.54	34.16	3.60
	89.6	26.84	3.39	28.19	3.45	29.54	3.51	30.22	3.54	32.25	3.62	33.61	3.68
	95.0	26.01	3.52	27.37	3.58	28.72	3.63	29.40	3.66	31.43	3.75	32.79	3.81
	104.0	23.05	2.56	24.01	2.56	24.95	2.56	25.41	2.56	26.77	2.56	27.66	2.56
	109.4	18.53	1.77	19.19	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.70	1.77
	114.8	11.76	0.98	12.12	0.98	12.48	0.98	12.65	0.98	13.17	0.98	13.51	0.98
FTXS15L + CDXS18L	68.0	29.20	2.91	30.51	2.97	31.82	3.03	32.48	3.06	34.45	3.15	35.76	3.21
	77.0	27.87	3.09	29.18	3.15	30.50	3.21	31.15	3.24	33.12	3.32	34.44	3.38
	86.0	26.54	3.28	27.86	3.34	29.17	3.40	29.83	3.43	31.80	3.51	33.11	3.57
	89.6	26.01	3.36	27.33	3.42	28.64	3.48	29.30	3.51	31.27	3.59	32.58	3.65
	95.0	25.22	3.49	26.53	3.55	27.84	3.60	28.50	3.63	30.47	3.72	31.78	3.78
	104.0	22.51	2.56	23.45	2.56	24.37	2.56	24.83	2.56	26.16	2.56	27.03	2.56
	109.4	18.17	1.77	18.81	1.77	19.45	1.77	19.76	1.77	20.68	1.77	21.28	1.77
	114.8	11.56	0.98	11.92	0.98	12.27	0.98	12.44	0.98	12.95	0.98	13.28	0.98
CDXS15L + FTXS18L	68.0	29.30	2.91	30.62	2.97	31.94	3.03	32.60	3.06	34.57	3.15	35.89	3.21
	77.0	27.97	3.09	29.29	3.15	30.60	3.21	31.26	3.24	33.24	3.32	34.56	3.38
	86.0	26.64	3.28	27.96	3.34	29.27	3.40	29.93	3.43	31.91	3.51	33.23	3.57
	89.6	26.10	3.36	27.42	3.42	28.74	3.48	29.40	3.51	31.38	3.59	32.69	3.65
	95.0	25.31	3.49	26.62	3.55	27.94	3.60	28.60	3.63	30.58	3.72	31.89	3.78
	104.0	22.57	2.56	23.51	2.56	24.43	2.56	24.89	2.56	26.23	2.56	27.10	2.56
	109.4	18.20	1.77	18.85	1.77	19.49	1.77	19.80	1.77	20.73	1.77	21.33	1.77
	114.8	11.58	0.98	11.94	0.98	12.29	0.98	12.46	0.98	12.97	0.98	13.31	0.98
CDXS15L + CDXS18L	68.0	28.48	2.94	29.76	3.00	31.04	3.06	31.68	3.09	33.60	3.17	34.89	3.23
	77.0	27.19	3.12	28.47	3.17	29.75	3.23	30.39	3.26	32.31	3.35	33.59	3.41
	86.0	25.89	3.31	27.17	3.37	28.45	3.43	29.09	3.46	31.02	3.54	32.30	3.60
	89.6	25.37	3.39	26.66	3.45	27.94	3.51	28.58	3.54	30.50	3.62	31.78	3.68
	95.0	24.60	3.52	25.88	3.58	27.16	3.63	27.80	3.66	29.72	3.75	31.00	3.81
	104.0	22.13	2.56	23.06	2.56	23.96	2.56	24.41	2.56	25.72	2.56	26.57	2.56
	109.4	17.94	1.77	18.57	1.77	19.19	1.77	19.50	1.77	20.40	1.77	20.99	1.77
	114.8	11.45	0.98	11.80	0.98	12.15	0.98	12.31	0.98	12.81	0.98	13.14	0.98
FTXS18L + FTXS18L	68.0	30.12	2.89	31.48	2.95	32.83	3.01	33.51	3.03	35.54	3.12	36.89	3.18
	77.0	28.75	3.06	30.11	3.12	31.46	3.18	32.14	3.21	34.17	3.30	35.52	3.35
	86.0	27.38	3.25	28.74	3.31	30.09	3.37	30.77	3.40	32.80	3.48	34.16	3.54
	89.6	26.84	3.33	28.19	3.39	29.54	3.45	30.22	3.48	32.25	3.57	33.61	3.62
	95.0	26.01	3.46	27.37	3.52	28.72	3.58	29.40	3.60	31.43	3.69	32.79	3.75
	104.0	23.01	2.56	23.97	2.56	24.92	2.56	25.38	2.56	26.75	2.56	27.64	2.56
	109.4	18.48	1.77	19.14	1.77	19.79	1.77	20.11	1.77	21.05	1.77	21.67	1.77
	114.8	11.72	0.98	12.08	0.98	12.44	0.98	12.62	0.98	13.14	0.98	13.48	0.98
CDXS18L + FTXS18L	68.0	29.30	2.91	30.62	2.97	31.94	3.03	32.60	3.06	34.57	3.15	35.89	3.21
	77.0	27.97	3.09	29.29	3.15	30.60	3.21	31.26	3.24	33.24	3.32	34.56	3.38
	86.0	26.64	3.28	27.96	3.34	29.27	3.40	29.93	3.43	31.91	3.51	33.23	3.57
	89.6	26.10	3.36	27.42	3.42	28.74	3.48	29.40	3.51	31.38	3.59	32.69	3.65
	95.0	25.31	3.49	26.62	3.55	27.94	3.60	28.60	3.63	30.58	3.72	31.89	3.78
	104.0	22.57	2.56	23.51	2.56	24.43	2.56	24.89	2.56	26.23	2.56	27.10	2.56
	109.4	18.20	1.77	18.85	1.77	19.49	1.77	19.80	1.77	20.73	1.77	21.33	1.77
	114.8	11.58	0.98	11.94	0.98	12.29	0.98	12.46	0.98	12.97	0.98	13.31	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CDXS18L + CDXS18L	68.0	28.32	2.90	29.76	3.00	31.04	3.06	31.68	3.09	33.60	3.17	34.89	3.23
	77.0	27.19	3.12	28.47	3.17	29.75	3.23	30.39	3.26	32.31	3.35	33.59	3.41
	86.0	25.89	3.31	27.17	3.37	28.45	3.43	29.09	3.46	31.02	3.54	32.30	3.60
	89.6	25.37	3.39	26.66	3.45	27.94	3.51	28.58	3.54	30.50	3.62	31.78	3.68
	95.0	24.60	3.52	25.88	3.58	27.16	3.63	27.80	3.66	29.72	3.75	31.00	3.81
	104.0	22.13	2.56	23.06	2.56	23.96	2.56	24.41	2.56	25.72	2.56	26.57	2.56
	109.4	17.94	1.77	18.57	1.77	19.19	1.77	19.50	1.77	20.40	1.77	20.99	1.77
	114.8	11.45	0.98	11.80	0.98	12.15	0.98	12.31	0.98	12.81	0.98	13.14	0.98
CTXS07L + CTXS07L + CTXS07L	68.0	24.59	1.53	25.69	1.56	26.80	1.59	27.35	1.61	29.01	1.66	30.12	1.69
	77.0	23.47	1.63	24.58	1.66	25.68	1.69	26.24	1.70	27.89	1.75	29.00	1.78
	86.0	22.35	1.73	23.46	1.76	24.56	1.79	25.12	1.80	26.78	1.85	27.88	1.88
	89.6	21.91	1.77	23.01	1.80	24.12	1.83	24.67	1.85	26.33	1.89	27.43	1.92
	95.0	21.24	1.84	22.34	1.87	23.45	1.90	24.00	1.91	25.66	1.96	26.76	1.99
	104.0	20.12	1.95	21.22	1.98	22.33	2.01	22.88	2.03	24.54	2.08	25.65	2.11
	109.4	17.93	1.77	18.74	1.77	19.53	1.77	19.92	1.77	21.05	1.77	21.79	1.77
	114.8	11.04	0.98	11.49	0.98	11.92	0.98	12.14	0.98	12.76	0.98	13.17	0.98
CTXS07L + CTXS07L + CTXS09H	68.0	26.02	1.71	27.19	1.74	28.36	1.78	28.95	1.80	30.70	1.85	31.87	1.88
	77.0	24.84	1.81	26.01	1.85	27.18	1.88	27.77	1.90	29.52	1.95	30.69	1.98
	86.0	23.66	1.93	24.83	1.96	26.00	1.99	26.58	2.01	28.34	2.06	29.51	2.10
	89.6	23.18	1.97	24.35	2.01	25.52	2.04	26.11	2.06	27.86	2.11	29.04	2.14
	95.0	22.47	2.05	23.64	2.08	24.81	2.12	25.40	2.13	27.16	2.18	28.33	2.22
	104.0	21.29	2.18	22.46	2.21	23.63	2.25	24.22	2.26	25.97	2.31	27.14	2.35
	109.4	17.91	1.77	18.70	1.77	19.46	1.77	19.84	1.77	20.95	1.77	21.66	1.77
	114.8	11.08	0.98	11.52	0.98	11.94	0.98	12.15	0.98	12.76	0.98	13.15	0.98
CTXS07L + CTXS07L + FDXS09L	68.0	25.31	1.77	26.44	1.81	27.58	1.85	28.15	1.86	29.86	1.92	31.00	1.95
	77.0	24.16	1.88	25.29	1.92	26.43	1.95	27.00	1.97	28.71	2.02	29.85	2.06
	86.0	23.01	2.00	24.14	2.03	25.28	2.07	25.85	2.09	27.56	2.14	28.70	2.17
	89.6	22.55	2.05	23.68	2.08	24.82	2.12	25.39	2.14	27.10	2.19	28.23	2.22
	95.0	21.86	2.12	22.99	2.16	24.13	2.19	24.70	2.21	26.41	2.27	27.54	2.30
	104.0	20.70	2.26	21.84	2.30	22.98	2.33	23.55	2.35	25.26	2.40	26.39	2.44
	109.4	17.20	1.77	17.95	1.77	18.69	1.77	19.05	1.77	20.10	1.77	20.78	1.77
	114.8	10.74	0.98	11.15	0.98	11.55	0.98	11.75	0.98	12.33	0.98	12.71	0.98
CTXS07L + CTXS07L + CTXS12H	68.0	27.97	2.02	29.23	2.06	30.48	2.10	31.11	2.12	33.00	2.18	34.26	2.23
	77.0	26.70	2.15	27.96	2.19	29.21	2.23	29.84	2.25	31.73	2.31	32.99	2.35
	86.0	25.43	2.28	26.68	2.32	27.94	2.36	28.57	2.38	30.46	2.44	31.72	2.48
	89.6	24.92	2.33	26.18	2.37	27.43	2.41	28.06	2.44	29.95	2.50	31.21	2.54
	95.0	24.16	2.42	25.41	2.46	26.67	2.50	27.30	2.52	29.19	2.58	30.44	2.62
	104.0	22.82	2.56	23.92	2.56	24.98	2.56	25.50	2.56	27.03	2.56	28.03	2.56
	109.4	17.93	1.77	18.68	1.77	19.41	1.77	19.77	1.77	20.83	1.77	21.51	1.77
	114.8	11.19	0.98	11.60	0.98	12.00	0.98	12.20	0.98	12.78	0.98	13.16	0.98
CTXS07L + CTXS07L + FDXS12L	68.0	27.25	2.09	28.48	2.13	29.70	2.17	30.32	2.19	32.15	2.25	33.38	2.30
	77.0	26.01	2.21	27.24	2.26	28.46	2.30	29.08	2.32	30.92	2.38	32.14	2.42
	86.0	24.77	2.35	26.00	2.39	27.23	2.43	27.84	2.45	29.68	2.52	30.90	2.56
	89.6	24.28	2.41	25.50	2.45	26.73	2.49	27.34	2.51	29.18	2.57	30.41	2.62
	95.0	23.54	2.50	24.76	2.54	25.99	2.58	26.60	2.60	28.44	2.67	29.66	2.71
	104.0	21.99	2.56	23.04	2.56	24.06	2.56	24.56	2.56	26.04	2.56	26.99	2.56
	109.4	17.42	1.77	18.14	1.77	18.85	1.77	19.19	1.77	20.21	1.77	20.87	1.77
	114.8	10.94	0.98	11.34	0.98	11.73	0.98	11.92	0.98	12.48	0.98	12.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FTXS15L	68.0	29.71	2.24	31.05	2.29	32.38	2.33	33.05	2.35	35.06	2.42	36.39	2.46
	77.0	28.36	2.38	29.70	2.42	31.03	2.46	31.70	2.49	33.70	2.55	35.04	2.60
	86.0	27.01	2.52	28.35	2.57	29.68	2.61	30.35	2.63	32.35	2.70	33.69	2.75
	89.6	26.47	2.58	27.81	2.63	29.14	2.67	29.81	2.70	31.81	2.76	33.15	2.81
	95.0	25.66	2.68	27.00	2.73	28.33	2.77	29.00	2.79	31.00	2.86	32.34	2.90
	104.0	23.35	2.56	24.43	2.56	25.48	2.56	26.00	2.56	27.51	2.56	28.49	2.56
	109.4	18.38	1.77	19.12	1.77	19.84	1.77	20.20	1.77	21.24	1.77	21.92	1.77
	114.8	11.48	0.98	11.89	0.98	12.28	0.98	12.48	0.98	13.06	0.98	13.43	0.98
CTXS07L + CTXS07L + CDXS15L	68.0	27.66	2.05	28.91	2.09	30.15	2.13	30.77	2.15	32.64	2.21	33.88	2.25
	77.0	26.40	2.17	27.65	2.21	28.89	2.25	29.51	2.27	31.38	2.33	32.62	2.37
	86.0	25.15	2.31	26.39	2.35	27.64	2.39	28.26	2.41	30.12	2.47	31.37	2.51
	89.6	24.64	2.36	25.89	2.40	27.13	2.44	27.75	2.46	29.62	2.53	30.86	2.57
	95.0	23.89	2.45	25.13	2.49	26.38	2.53	27.00	2.55	28.87	2.61	30.11	2.65
	104.0	22.47	2.56	23.54	2.56	24.59	2.56	25.11	2.56	26.61	2.56	27.59	2.56
	109.4	17.71	1.77	18.45	1.77	19.17	1.77	19.53	1.77	20.56	1.77	21.24	1.77
	114.8	11.08	0.98	11.49	0.98	11.88	0.98	12.08	0.98	12.65	0.98	13.02	0.98
CTXS07L + CTXS07L + FTXS18L	68.0	30.12	2.34	31.48	2.39	32.83	2.44	33.51	2.46	35.54	2.53	36.89	2.58
	77.0	28.75	2.49	30.11	2.53	31.46	2.58	32.14	2.60	34.17	2.67	35.52	2.72
	86.0	27.38	2.64	28.74	2.69	30.09	2.73	30.77	2.76	32.80	2.83	34.16	2.87
	89.6	26.84	2.70	28.19	2.75	29.54	2.80	30.22	2.82	32.25	2.89	33.61	2.94
	95.0	26.01	2.81	27.37	2.85	28.72	2.90	29.40	2.92	31.43	2.99	32.79	3.04
	104.0	23.36	2.56	24.42	2.56	25.46	2.56	25.97	2.56	27.47	2.56	28.44	2.56
	109.4	18.43	1.77	19.16	1.77	19.88	1.77	20.23	1.77	21.26	1.77	21.93	1.77
	114.8	11.54	0.98	11.94	0.98	12.33	0.98	12.53	0.98	13.10	0.98	13.47	0.98
CTXS07L + CTXS07L + CDXS18L	68.0	28.17	2.14	29.44	2.18	30.71	2.22	31.34	2.24	33.24	2.31	34.51	2.35
	77.0	26.89	2.26	28.16	2.31	29.43	2.35	30.06	2.37	31.96	2.43	33.23	2.48
	86.0	25.61	2.40	26.88	2.45	28.15	2.49	28.78	2.51	30.68	2.57	31.95	2.62
	89.6	25.10	2.46	26.37	2.51	27.63	2.55	28.27	2.57	30.17	2.63	31.44	2.68
	95.0	24.33	2.56	25.60	2.60	26.87	2.64	27.50	2.66	29.40	2.73	30.67	2.77
	104.0	22.54	2.56	23.60	2.56	24.64	2.56	25.14	2.56	26.64	2.56	27.61	2.56
	109.4	17.80	1.77	18.53	1.77	19.24	1.77	19.59	1.77	20.62	1.77	21.29	1.77
	114.8	11.15	0.98	11.55	0.98	11.94	0.98	12.14	0.98	12.71	0.98	13.07	0.98
CTXS07L + CTXS09H + CTXS09H	68.0	27.46	1.94	28.69	1.97	29.93	2.01	30.54	2.03	32.40	2.09	33.63	2.13
	77.0	26.21	2.05	27.44	2.09	28.68	2.13	29.30	2.15	31.15	2.21	32.38	2.24
	86.0	24.96	2.18	26.20	2.22	27.43	2.26	28.05	2.28	29.90	2.33	31.13	2.37
	89.6	24.46	2.23	25.70	2.27	26.93	2.31	27.55	2.33	29.40	2.39	30.64	2.43
	95.0	23.71	2.32	24.95	2.35	26.18	2.39	26.80	2.41	28.65	2.47	29.89	2.51
	104.0	22.47	2.46	23.70	2.50	24.93	2.54	25.55	2.56	27.10	2.56	28.10	2.56
	109.4	17.90	1.77	18.66	1.77	19.40	1.77	19.76	1.77	20.83	1.77	21.52	1.77
	114.8	11.14	0.98	11.56	0.98	11.97	0.98	12.17	0.98	12.76	0.98	13.14	0.98
CTXS07L + CTXS09H + FDXS09L	68.0	26.74	2.00	27.94	2.04	29.14	2.08	29.75	2.10	31.55	2.16	32.75	2.20
	77.0	25.52	2.12	26.73	2.16	27.93	2.20	28.53	2.22	30.33	2.28	31.54	2.32
	86.0	24.31	2.25	25.51	2.29	26.71	2.33	27.32	2.35	29.12	2.41	30.32	2.45
	89.6	23.82	2.31	25.03	2.35	26.23	2.39	26.83	2.41	28.63	2.47	29.84	2.51
	95.0	23.09	2.39	24.30	2.43	25.50	2.47	26.10	2.49	27.90	2.55	29.11	2.59
	104.0	21.88	2.55	22.99	2.56	24.02	2.56	24.53	2.56	26.02	2.56	26.98	2.56
	109.4	17.34	1.77	18.07	1.77	18.78	1.77	19.13	1.77	20.15	1.77	20.82	1.77
	114.8	10.87	0.98	11.27	0.98	11.67	0.98	11.86	0.98	12.42	0.98	12.79	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS09L	68.0	26.53	2.15	27.73	2.19	28.92	2.24	29.52	2.26	31.31	2.32	32.50	2.37
	77.0	25.33	2.28	26.52	2.32	27.72	2.37	28.31	2.39	30.10	2.45	31.30	2.50
	86.0	24.12	2.42	25.32	2.47	26.51	2.51	27.11	2.53	28.90	2.59	30.09	2.64
	89.6	23.64	2.48	24.83	2.53	26.03	2.57	26.62	2.59	28.41	2.65	29.61	2.70
	95.0	22.92	2.58	24.11	2.62	25.30	2.66	25.90	2.68	27.69	2.75	28.88	2.79
	104.0	21.23	2.56	22.24	2.56	23.22	2.56	23.71	2.56	25.13	2.56	26.05	2.56
	109.4	16.96	1.77	17.66	1.77	18.34	1.77	18.67	1.77	19.65	1.77	20.28	1.77
	114.8	10.72	0.98	11.10	0.98	11.48	0.98	11.66	0.98	12.20	0.98	12.55	0.98
CTXS07L + CTXS09H + CTXS12H	68.0	28.58	2.17	29.87	2.21	31.15	2.25	31.80	2.28	33.73	2.34	35.01	2.38
	77.0	27.28	2.30	28.57	2.34	29.86	2.39	30.50	2.41	32.43	2.47	33.71	2.51
	86.0	25.99	2.44	27.27	2.48	28.56	2.53	29.20	2.55	31.13	2.61	32.41	2.66
	89.6	25.47	2.50	26.75	2.54	28.04	2.59	28.68	2.61	30.61	2.67	31.89	2.72
	95.0	24.69	2.59	25.97	2.64	27.26	2.68	27.90	2.70	29.83	2.77	31.11	2.81
	104.0	22.74	2.56	23.80	2.56	24.84	2.56	25.36	2.56	26.85	2.56	27.82	2.56
	109.4	17.95	1.77	18.68	1.77	19.39	1.77	19.75	1.77	20.78	1.77	21.45	1.77
	114.8	11.24	0.98	11.64	0.98	12.03	0.98	12.23	0.98	12.80	0.98	13.16	0.98
CTXS07L + CTXS09H + FDXS12L	68.0	27.87	2.24	29.12	2.29	30.37	2.33	31.00	2.35	32.88	2.42	34.13	2.46
	77.0	26.60	2.38	27.85	2.42	29.11	2.46	29.73	2.49	31.61	2.55	32.87	2.60
	86.0	25.33	2.52	26.59	2.57	27.84	2.61	28.47	2.63	30.35	2.70	31.60	2.75
	89.6	24.83	2.58	26.08	2.63	27.33	2.67	27.96	2.70	29.84	2.76	31.09	2.81
	95.0	24.07	2.68	25.32	2.73	26.57	2.77	27.20	2.79	29.08	2.86	30.33	2.90
	104.0	21.99	2.56	23.02	2.56	24.02	2.56	24.51	2.56	25.96	2.56	26.89	2.56
	109.4	17.50	1.77	18.21	1.77	18.90	1.77	19.23	1.77	20.23	1.77	20.87	1.77
	114.8	11.03	0.98	11.41	0.98	11.79	0.98	11.98	0.98	12.53	0.98	12.89	0.98
CTXS07L + FDXS09L + CTXS12H	68.0	27.87	2.24	29.12	2.29	30.37	2.33	31.00	2.35	32.88	2.42	34.13	2.46
	77.0	26.60	2.38	27.85	2.42	29.11	2.46	29.73	2.49	31.61	2.55	32.87	2.60
	86.0	25.33	2.52	26.59	2.57	27.84	2.61	28.47	2.63	30.35	2.70	31.60	2.75
	89.6	24.83	2.58	26.08	2.63	27.33	2.67	27.96	2.70	29.84	2.76	31.09	2.81
	95.0	24.07	2.68	25.32	2.73	26.57	2.77	27.20	2.79	29.08	2.86	30.33	2.90
	104.0	21.99	2.56	23.02	2.56	24.02	2.56	24.51	2.56	25.96	2.56	26.89	2.56
	109.4	17.50	1.77	18.21	1.77	18.90	1.77	19.23	1.77	20.23	1.77	20.87	1.77
	114.8	11.03	0.98	11.41	0.98	11.79	0.98	11.98	0.98	12.53	0.98	12.89	0.98
CTXS07L + FDXS09L + FDXS12L	68.0	27.66	2.40	28.91	2.45	30.15	2.50	30.77	2.52	32.64	2.59	33.88	2.64
	77.0	26.40	2.55	27.65	2.59	28.89	2.64	29.51	2.67	31.38	2.74	32.62	2.78
	86.0	25.15	2.70	26.39	2.75	27.64	2.80	28.26	2.82	30.12	2.89	31.37	2.94
	89.6	24.64	2.77	25.89	2.82	27.13	2.87	27.75	2.89	29.62	2.96	30.86	3.01
	95.0	23.89	2.87	25.13	2.92	26.38	2.97	27.00	2.99	28.87	3.06	30.11	3.11
	104.0	21.56	2.56	22.54	2.56	23.50	2.56	23.97	2.56	25.36	2.56	26.26	2.56
	109.4	17.30	1.77	17.98	1.77	18.64	1.77	18.96	1.77	19.92	1.77	20.54	1.77
	114.8	10.97	0.98	11.34	0.98	11.70	0.98	11.88	0.98	12.41	0.98	12.76	0.98
CTXS07L + CTXS09H + FTXS15L	68.0	30.22	2.39	31.58	2.44	32.94	2.49	33.62	2.51	35.66	2.58	37.02	2.63
	77.0	28.85	2.54	30.21	2.58	31.57	2.63	32.25	2.66	34.29	2.73	35.65	2.78
	86.0	27.48	2.69	28.83	2.74	30.19	2.79	30.87	2.81	32.91	2.88	34.27	2.93
	89.6	26.93	2.76	28.29	2.81	29.64	2.86	30.32	2.88	32.36	2.95	33.72	3.00
	95.0	26.10	2.86	27.46	2.91	28.82	2.96	29.50	2.98	31.54	3.05	32.90	3.10
	104.0	23.33	2.56	24.38	2.56	25.41	2.56	25.92	2.56	27.40	2.56	28.36	2.56
	109.4	18.44	1.77	19.16	1.77	19.87	1.77	20.22	1.77	21.24	1.77	21.90	1.77
	114.8	11.55	0.98	11.95	0.98	12.34	0.98	12.53	0.98	13.10	0.98	13.47	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CDXS15L	68.0	28.28	2.14	29.55	2.18	30.82	2.22	31.46	2.24	33.36	2.31	34.63	2.35
	77.0	26.99	2.26	28.26	2.31	29.53	2.35	30.17	2.37	32.08	2.43	33.35	2.48
	86.0	25.71	2.40	26.98	2.45	28.25	2.49	28.89	2.51	30.79	2.57	32.06	2.62
	89.6	25.19	2.46	26.46	2.51	27.74	2.55	28.37	2.57	30.28	2.63	31.55	2.68
	95.0	24.42	2.56	25.69	2.60	26.96	2.64	27.60	2.66	29.51	2.73	30.78	2.77
	104.0	22.61	2.56	23.68	2.56	24.72	2.56	25.23	2.56	26.73	2.56	27.70	2.56
	109.4	17.85	1.77	18.58	1.77	19.30	1.77	19.65	1.77	20.68	1.77	21.35	1.77
	114.8	11.18	0.98	11.58	0.98	11.97	0.98	12.17	0.98	12.74	0.98	13.11	0.98
CTXS07L + FDXS09L + FTXS15L	68.0	29.61	2.47	30.94	2.51	32.27	2.56	32.94	2.59	34.93	2.66	36.27	2.71
	77.0	28.26	2.61	29.59	2.66	30.93	2.71	31.59	2.74	33.59	2.81	34.92	2.86
	86.0	26.92	2.78	28.25	2.82	29.58	2.87	30.25	2.90	32.24	2.97	33.57	3.02
	89.6	26.38	2.84	27.71	2.89	29.04	2.94	29.71	2.97	31.70	3.04	33.04	3.09
	95.0	25.57	2.95	26.90	3.00	28.23	3.05	28.90	3.07	30.90	3.15	32.23	3.20
	104.0	22.79	2.56	23.81	2.56	24.81	2.56	25.30	2.56	26.74	2.56	27.68	2.56
	109.4	18.13	1.77	18.83	1.77	19.52	1.77	19.85	1.77	20.85	1.77	21.49	1.77
	114.8	11.41	0.98	11.80	0.98	12.18	0.98	12.37	0.98	12.91	0.98	13.27	0.98
CTXS07L + FDXS09L + CDXS15L	68.0	27.56	2.21	28.80	2.25	30.04	2.30	30.66	2.32	32.52	2.38	33.76	2.43
	77.0	26.31	2.34	27.55	2.39	28.79	2.43	29.41	2.45	31.26	2.52	32.50	2.56
	86.0	25.05	2.49	26.29	2.53	27.53	2.57	28.15	2.60	30.01	2.66	31.25	2.71
	89.6	24.55	2.55	25.79	2.59	27.03	2.64	27.65	2.66	29.51	2.72	30.75	2.77
	95.0	23.80	2.64	25.04	2.69	26.28	2.73	26.90	2.75	28.76	2.82	30.00	2.86
	104.0	21.85	2.56	22.87	2.56	23.87	2.56	24.37	2.56	25.81	2.56	26.74	2.56
	109.4	17.39	1.77	18.10	1.77	18.79	1.77	19.12	1.77	20.12	1.77	20.76	1.77
	114.8	10.96	0.98	11.35	0.98	11.73	0.98	11.91	0.98	12.46	0.98	12.82	0.98
CTXS07L + CTXS09H + FTXS18L	68.0	30.94	2.61	32.33	2.66	33.72	2.71	34.42	2.74	36.51	2.82	37.90	2.87
	77.0	29.53	2.77	30.93	2.82	32.32	2.87	33.01	2.90	35.10	2.97	36.49	3.03
	86.0	28.13	2.94	29.52	2.99	30.91	3.04	31.61	3.07	33.69	3.15	35.08	3.20
	89.6	27.57	3.01	28.96	3.06	30.35	3.11	31.04	3.14	33.13	3.22	34.52	3.27
	95.0	26.72	3.12	28.11	3.18	29.50	3.23	30.20	3.25	32.29	3.33	33.68	3.38
	104.0	23.50	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.47	2.56	28.41	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.04	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + CTXS09H + CDXS18L	68.0	28.99	2.28	30.30	2.33	31.60	2.37	32.25	2.39	34.21	2.46	35.51	2.51
	77.0	27.68	2.42	28.98	2.46	30.28	2.51	30.94	2.53	32.89	2.60	34.20	2.65
	86.0	26.36	2.57	27.66	2.61	28.97	2.66	29.62	2.68	31.57	2.75	32.88	2.79
	89.6	25.83	2.63	27.13	2.68	28.44	2.72	29.09	2.74	31.05	2.81	32.35	2.86
	95.0	25.04	2.73	26.34	2.77	27.65	2.82	28.30	2.84	30.26	2.91	31.56	2.96
	104.0	22.71	2.56	23.76	2.56	24.79	2.56	25.29	2.56	26.76	2.56	27.72	2.56
	109.4	17.99	1.77	18.71	1.77	19.41	1.77	19.76	1.77	20.77	1.77	21.43	1.77
	114.8	11.29	0.98	11.68	0.98	12.07	0.98	12.26	0.98	12.82	0.98	13.19	0.98
CTXS07L + FDXS09L + FTXS18L	68.0	30.22	2.63	31.58	2.68	32.94	2.73	33.62	2.76	35.66	2.84	37.02	2.89
	77.0	28.85	2.78	30.21	2.84	31.57	2.89	32.25	2.91	34.29	2.99	35.65	3.05
	86.0	27.48	2.96	28.83	3.01	30.19	3.06	30.87	3.09	32.91	3.17	34.27	3.22
	89.6	26.93	3.03	28.29	3.08	29.64	3.13	30.32	3.16	32.36	3.24	33.72	3.29
	95.0	26.10	3.14	27.46	3.19	28.82	3.25	29.50	3.27	31.54	3.35	32.90	3.40
	104.0	23.04	2.56	24.04	2.56	25.03	2.56	25.51	2.56	26.93	2.56	27.86	2.56
	109.4	18.36	1.77	19.06	1.77	19.73	1.77	20.07	1.77	21.05	1.77	21.68	1.77
	114.8	11.58	0.98	11.96	0.98	12.34	0.98	12.52	0.98	13.06	0.98	13.41	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + CDXS18L	68.0	28.28	2.35	29.55	2.40	30.82	2.45	31.46	2.47	33.36	2.54	34.63	2.59
	77.0	26.99	2.49	28.26	2.54	29.53	2.59	30.17	2.61	32.08	2.68	33.35	2.73
	86.0	25.71	2.65	26.98	2.70	28.25	2.74	28.89	2.77	30.79	2.84	32.06	2.88
	89.6	25.19	2.71	26.46	2.76	27.74	2.81	28.37	2.83	30.28	2.90	31.55	2.95
	95.0	24.42	2.82	25.69	2.86	26.96	2.91	27.60	2.93	29.51	3.00	30.78	3.05
	104.0	22.05	2.56	23.06	2.56	24.05	2.56	24.54	2.56	25.96	2.56	26.88	2.56
	109.4	17.60	1.77	18.29	1.77	18.97	1.77	19.30	1.77	20.28	1.77	20.92	1.77
	114.8	11.11	0.98	11.49	0.98	11.86	0.98	12.05	0.98	12.59	0.98	12.94	0.98
CTXS07L + CTXS12H + CTXS12H	68.0	29.71	2.48	31.05	2.53	32.38	2.58	33.05	2.60	35.06	2.68	36.39	2.73
	77.0	28.36	2.63	29.70	2.68	31.03	2.73	31.70	2.75	33.70	2.83	35.04	2.88
	86.0	27.01	2.79	28.35	2.84	29.68	2.89	30.35	2.92	32.35	2.99	33.69	3.04
	89.6	26.47	2.86	27.81	2.91	29.14	2.96	29.81	2.99	31.81	3.06	33.15	3.11
	95.0	25.66	2.97	27.00	3.02	28.33	3.07	29.00	3.09	31.00	3.17	32.34	3.22
	104.0	22.84	2.56	23.86	2.56	24.86	2.56	25.35	2.56	26.79	2.56	27.72	2.56
	109.4	18.16	1.77	18.87	1.77	19.55	1.77	19.89	1.77	20.88	1.77	21.53	1.77
	114.8	11.44	0.98	11.82	0.98	12.20	0.98	12.39	0.98	12.94	0.98	13.29	0.98
CTXS07L + CTXS12H + FDXS12L	68.0	29.10	2.55	30.40	2.60	31.71	2.65	32.37	2.67	34.33	2.75	35.64	2.80
	77.0	27.77	2.70	29.08	2.75	30.39	2.80	31.04	2.83	33.01	2.90	34.32	2.95
	86.0	26.45	2.87	27.76	2.92	29.07	2.97	29.72	2.99	31.69	3.07	32.99	3.12
	89.6	25.92	2.94	27.23	2.99	28.54	3.04	29.19	3.06	31.16	3.14	32.46	3.19
	95.0	25.13	3.05	26.44	3.10	27.75	3.15	28.40	3.17	30.36	3.25	31.67	3.30
	104.0	22.37	2.56	23.36	2.56	24.33	2.56	24.81	2.56	26.22	2.56	27.13	2.56
	109.4	17.90	1.77	18.58	1.77	19.25	1.77	19.58	1.77	20.54	1.77	21.17	1.77
	114.8	11.32	0.98	11.69	0.98	12.06	0.98	12.24	0.98	12.78	0.98	13.12	0.98
CTXS07L + FDXS12L + FDXS12L	68.0	28.69	2.71	29.98	2.77	31.27	2.82	31.91	2.85	33.85	2.93	35.14	2.98
	77.0	27.38	2.88	28.67	2.93	29.96	2.99	30.61	3.01	32.54	3.09	33.83	3.15
	86.0	26.08	3.06	27.37	3.11	28.66	3.16	29.30	3.19	31.24	3.27	32.53	3.33
	89.6	25.56	3.13	26.85	3.19	28.14	3.24	28.78	3.27	30.72	3.35	32.01	3.40
	95.0	24.77	3.25	26.06	3.30	27.35	3.36	28.00	3.38	29.94	3.46	31.23	3.52
	104.0	22.08	2.56	23.03	2.56	23.97	2.56	24.43	2.56	25.78	2.56	26.66	2.56
	109.4	17.79	1.77	18.45	1.77	19.09	1.77	19.41	1.77	20.34	1.77	20.95	1.77
	114.8	11.31	0.98	11.67	0.98	12.03	0.98	12.20	0.98	12.72	0.98	13.05	0.98
CTXS07L + CTXS12H + FTXS15L	68.0	30.94	2.61	32.33	2.66	33.72	2.71	34.42	2.74	36.51	2.82	37.90	2.87
	77.0	29.53	2.77	30.93	2.82	32.32	2.87	33.01	2.90	35.10	2.97	36.49	3.03
	86.0	28.13	2.94	29.52	2.99	30.91	3.04	31.61	3.07	33.69	3.15	35.08	3.20
	89.6	27.57	3.01	28.96	3.06	30.35	3.11	31.04	3.14	33.13	3.22	34.52	3.27
	95.0	26.72	3.12	28.11	3.18	29.50	3.23	30.20	3.25	32.29	3.33	33.68	3.38
	104.0	23.50	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.47	2.56	28.41	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.04	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + CTXS12H + CDXS15L	68.0	28.99	2.28	30.30	2.33	31.60	2.37	32.25	2.39	34.21	2.46	35.51	2.51
	77.0	27.68	2.42	28.98	2.46	30.28	2.51	30.94	2.53	32.89	2.60	34.20	2.65
	86.0	26.36	2.57	27.66	2.61	28.97	2.66	29.62	2.68	31.57	2.75	32.88	2.79
	89.6	25.83	2.63	27.13	2.68	28.44	2.72	29.09	2.74	31.05	2.81	32.35	2.86
	95.0	25.04	2.73	26.34	2.77	27.65	2.82	28.30	2.84	30.26	2.91	31.56	2.96
	104.0	22.71	2.56	23.76	2.56	24.79	2.56	25.29	2.56	26.76	2.56	27.72	2.56
	109.4	17.99	1.77	18.71	1.77	19.41	1.77	19.76	1.77	20.77	1.77	21.43	1.77
	114.8	11.29	0.98	11.68	0.98	12.07	0.98	12.26	0.98	12.82	0.98	13.19	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS12L + FTXS15L	68.0	30.22	2.62	31.58	2.67	32.94	2.72	33.62	2.75	35.66	2.83	37.02	2.88
	77.0	28.85	2.78	30.21	2.83	31.57	2.88	32.25	2.91	34.29	2.98	35.65	3.04
	86.0	27.48	2.95	28.83	3.00	30.19	3.05	30.87	3.08	32.91	3.16	34.27	3.21
	89.6	26.93	3.02	28.29	3.07	29.64	3.12	30.32	3.15	32.36	3.23	33.72	3.28
	95.0	26.10	3.13	27.46	3.19	28.82	3.24	29.50	3.26	31.54	3.34	32.90	3.39
	104.0	23.04	2.56	24.05	2.56	25.04	2.56	25.52	2.56	26.94	2.56	27.87	2.56
	109.4	18.36	1.77	19.06	1.77	19.73	1.77	20.07	1.77	21.05	1.77	21.69	1.77
	114.8	11.58	0.98	11.96	0.98	12.34	0.98	12.52	0.98	13.06	0.98	13.41	0.98
CTXS07L + FDXS12L + CDXS15L	68.0	28.28	2.35	29.55	2.40	30.82	2.45	31.46	2.47	33.36	2.54	34.63	2.59
	77.0	26.99	2.49	28.26	2.54	29.53	2.59	30.17	2.61	32.08	2.68	33.35	2.73
	86.0	25.71	2.65	26.98	2.70	28.25	2.74	28.89	2.77	30.79	2.84	32.06	2.88
	89.6	25.19	2.71	26.46	2.76	27.74	2.81	28.37	2.83	30.28	2.90	31.55	2.95
	95.0	24.42	2.82	25.69	2.86	26.96	2.91	27.60	2.93	29.51	3.00	30.78	3.05
	104.0	22.05	2.56	23.06	2.56	24.05	2.56	24.54	2.56	25.96	2.56	26.88	2.56
	109.4	17.60	1.77	18.29	1.77	18.97	1.77	19.30	1.77	20.28	1.77	20.92	1.77
	114.8	11.11	0.98	11.49	0.98	11.86	0.98	12.05	0.98	12.59	0.98	12.94	0.98
CTXS07L + CTXS12H + FTXS18L	68.0	31.45	2.83	32.87	2.88	34.28	2.94	34.99	2.97	37.11	3.05	38.52	3.11
	77.0	30.02	3.00	31.44	3.05	32.85	3.11	33.56	3.14	35.68	3.22	37.09	3.28
	86.0	28.59	3.18	30.01	3.24	31.42	3.29	32.13	3.32	34.25	3.41	35.67	3.46
	89.6	28.02	3.26	29.44	3.32	30.85	3.37	31.56	3.40	33.68	3.49	35.09	3.54
	95.0	27.16	3.38	28.58	3.44	29.99	3.50	30.70	3.52	32.82	3.61	34.24	3.66
	104.0	23.75	2.56	24.75	2.56	25.73	2.56	26.21	2.56	27.63	2.56	28.56	2.56
	109.4	18.92	1.77	19.61	1.77	20.29	1.77	20.62	1.77	21.60	1.77	22.23	1.77
	114.8	11.93	0.98	12.31	0.98	12.68	0.98	12.86	0.98	13.40	0.98	13.76	0.98
CTXS07L + CTXS12H + CDXS18L	68.0	29.61	2.43	30.94	2.48	32.27	2.53	32.94	2.55	34.93	2.63	36.27	2.68
	77.0	28.26	2.58	29.59	2.63	30.93	2.68	31.59	2.70	33.59	2.77	34.92	2.82
	86.0	26.92	2.74	28.25	2.79	29.58	2.84	30.25	2.86	32.24	2.93	33.57	2.98
	89.6	26.38	2.81	27.71	2.86	29.04	2.90	29.71	2.93	31.70	3.00	33.04	3.05
	95.0	25.57	2.91	26.90	2.96	28.23	3.01	28.90	3.03	30.90	3.11	32.23	3.15
	104.0	22.84	2.56	23.86	2.56	24.87	2.56	25.36	2.56	26.81	2.56	27.75	2.56
	109.4	18.14	1.77	18.85	1.77	19.54	1.77	19.88	1.77	20.88	1.77	21.53	1.77
	114.8	11.41	0.98	11.80	0.98	12.18	0.98	12.37	0.98	12.92	0.98	13.28	0.98
CTXS07L + FDXS12L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
CTXS07L + FDXS12L + CDXS18L	68.0	28.89	2.51	30.19	2.56	31.49	2.61	32.14	2.63	34.09	2.71	35.39	2.76
	77.0	27.58	2.66	28.88	2.71	30.18	2.76	30.83	2.78	32.77	2.86	34.07	2.91
	86.0	26.27	2.82	27.56	2.87	28.86	2.92	29.51	2.95	31.46	3.02	32.76	3.07
	89.6	25.74	2.89	27.04	2.94	28.34	2.99	28.99	3.01	30.94	3.09	32.24	3.14
	95.0	24.95	3.00	26.25	3.05	27.55	3.10	28.20	3.12	30.15	3.20	31.45	3.25
	104.0	22.27	2.56	23.26	2.56	24.24	2.56	24.72	2.56	26.12	2.56	27.03	2.56
	109.4	17.81	1.77	18.49	1.77	19.16	1.77	19.49	1.77	20.46	1.77	21.09	1.77
	114.8	11.26	0.98	11.64	0.98	12.01	0.98	12.19	0.98	12.72	0.98	13.07	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FTXS15L + FTXS15L	68.0	31.55	2.68	32.97	2.74	34.39	2.79	35.10	2.82	37.23	2.90	38.65	2.95
	77.0	30.12	2.84	31.54	2.90	32.96	2.95	33.67	2.98	35.80	3.06	37.22	3.11
	86.0	28.69	3.02	30.11	3.07	31.52	3.13	32.23	3.15	34.36	3.23	35.78	3.29
	89.6	28.11	3.09	29.53	3.15	30.95	3.20	31.66	3.23	33.79	3.31	35.21	3.36
	95.0	27.25	3.21	28.67	3.26	30.09	3.32	30.80	3.34	32.93	3.42	34.35	3.48
	104.0	23.83	2.56	24.86	2.56	25.87	2.56	26.36	2.56	27.81	2.56	28.76	2.56
	109.4	18.90	1.77	19.61	1.77	20.30	1.77	20.64	1.77	21.65	1.77	22.30	1.77
	114.8	11.88	0.98	12.27	0.98	12.65	0.98	12.84	0.98	13.39	0.98	13.75	0.98
CTXS07L + FTXS15L + CDXS15L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98
CTXS07L + CDXS15L + CDXS15L	68.0	27.87	2.11	29.12	2.15	30.37	2.20	31.00	2.22	32.88	2.28	34.13	2.32
	77.0	26.60	2.24	27.85	2.28	29.11	2.32	29.73	2.34	31.61	2.41	32.87	2.45
	86.0	25.33	2.38	26.59	2.42	27.84	2.46	28.47	2.48	30.35	2.55	31.60	2.59
	89.6	24.83	2.44	26.08	2.48	27.33	2.52	27.96	2.54	29.84	2.60	31.09	2.65
	95.0	24.07	2.53	25.32	2.57	26.57	2.61	27.20	2.63	29.08	2.70	30.33	2.74
	104.0	22.38	2.56	23.44	2.56	24.48	2.56	24.99	2.56	26.48	2.56	27.44	2.56
	109.4	17.69	1.77	18.42	1.77	19.13	1.77	19.48	1.77	20.51	1.77	21.17	1.77
	114.8	11.09	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.64	0.98	13.01	0.98
CTXS07L + FTXS15L + FTXS18L	68.0	31.55	2.63	32.97	2.68	34.39	2.73	35.10	2.76	37.23	2.84	38.65	2.89
	77.0	30.12	2.78	31.54	2.84	32.96	2.89	33.67	2.91	35.80	2.99	37.22	3.05
	86.0	28.69	2.96	30.11	3.01	31.52	3.06	32.23	3.09	34.36	3.17	35.78	3.22
	89.6	28.11	3.03	29.53	3.08	30.95	3.13	31.66	3.16	33.79	3.24	35.21	3.29
	95.0	27.25	3.14	28.67	3.19	30.09	3.25	30.80	3.27	32.93	3.35	34.35	3.40
	104.0	23.87	2.56	24.91	2.56	25.93	2.56	26.43	2.56	27.89	2.56	28.84	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + FTXS15L + CDXS18L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98
CTXS07L + CDXS15L + FTXS18L	68.0	29.71	2.30	31.05	2.35	32.38	2.40	33.05	2.42	35.06	2.49	36.39	2.53
	77.0	28.36	2.44	29.70	2.49	31.03	2.54	31.70	2.56	33.70	2.63	35.04	2.67
	86.0	27.01	2.59	28.35	2.64	29.68	2.69	30.35	2.71	32.35	2.78	33.69	2.82
	89.6	26.47	2.66	27.81	2.70	29.14	2.75	29.81	2.77	31.81	2.84	33.15	2.89
	95.0	25.66	2.76	27.00	2.80	28.33	2.85	29.00	2.87	31.00	2.94	32.34	2.99
	104.0	23.17	2.56	24.23	2.56	25.27	2.56	25.78	2.56	27.27	2.56	28.24	2.56
	109.4	18.29	1.77	19.02	1.77	19.73	1.77	20.08	1.77	21.11	1.77	21.78	1.77
	114.8	11.45	0.98	11.85	0.98	12.25	0.98	12.44	0.98	13.01	0.98	13.38	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CDXS15L + CDXS18L	68.0	27.97	2.15	29.23	2.19	30.48	2.24	31.11	2.26	33.00	2.32	34.26	2.37
	77.0	26.70	2.28	27.96	2.32	29.21	2.37	29.84	2.39	31.73	2.45	32.99	2.50
	86.0	25.43	2.42	26.68	2.47	27.94	2.51	28.57	2.53	30.46	2.59	31.72	2.64
	89.6	24.92	2.48	26.18	2.53	27.43	2.57	28.06	2.59	29.95	2.65	31.21	2.70
	95.0	24.16	2.58	25.41	2.62	26.67	2.66	27.30	2.68	29.19	2.75	30.44	2.79
	104.0	22.32	2.56	23.38	2.56	24.40	2.56	24.91	2.56	26.39	2.56	27.34	2.56
	109.4	17.67	1.77	18.39	1.77	19.10	1.77	19.45	1.77	20.47	1.77	21.13	1.77
	114.8	11.09	0.98	11.49	0.98	11.88	0.98	12.07	0.98	12.63	0.98	12.99	0.98
CTXS07L + FTXS18L + FTXS18L	68.0	31.96	2.79	33.40	2.85	34.84	2.91	35.56	2.93	37.71	3.02	39.15	3.07
	77.0	30.51	2.96	31.95	3.02	33.39	3.07	34.11	3.10	36.26	3.19	37.70	3.24
	86.0	29.06	3.15	30.50	3.20	31.93	3.26	32.65	3.29	34.81	3.37	36.25	3.42
	89.6	28.48	3.22	29.92	3.28	31.35	3.33	32.07	3.36	34.23	3.45	35.67	3.50
	95.0	27.61	3.34	29.04	3.40	30.48	3.46	31.20	3.48	33.36	3.57	34.79	3.62
	104.0	24.04	2.56	25.06	2.56	26.06	2.56	26.55	2.56	27.99	2.56	28.93	2.56
	109.4	19.10	1.77	19.80	1.77	20.48	1.77	20.82	1.77	21.82	1.77	22.46	1.77
	114.8	12.01	0.98	12.40	0.98	12.77	0.98	12.96	0.98	13.51	0.98	13.87	0.98
CTXS07L + FTXS18L + CDXS18L	68.0	31.45	2.83	32.87	2.89	34.28	2.95	34.99	2.98	37.11	3.06	38.52	3.12
	77.0	30.02	3.01	31.44	3.06	32.85	3.12	33.56	3.15	35.68	3.23	37.09	3.29
	86.0	28.59	3.19	30.01	3.25	31.42	3.30	32.13	3.33	34.25	3.42	35.67	3.47
	89.6	28.02	3.27	29.44	3.33	30.85	3.38	31.56	3.41	33.68	3.50	35.09	3.55
	95.0	27.16	3.39	28.58	3.45	29.99	3.51	30.70	3.53	32.82	3.62	34.24	3.67
	104.0	23.75	2.56	24.75	2.56	25.73	2.56	26.21	2.56	27.63	2.56	28.55	2.56
	109.4	18.93	1.77	19.61	1.77	20.29	1.77	20.62	1.77	21.60	1.77	22.24	1.77
	114.8	11.93	0.98	12.31	0.98	12.68	0.98	12.87	0.98	13.41	0.98	13.76	0.98
CTXS07L + CDXS18L + CDXS18L	68.0	30.94	2.87	32.33	2.92	33.72	2.98	34.42	3.01	36.51	3.10	37.90	3.15
	77.0	29.53	3.04	30.93	3.10	32.32	3.15	33.01	3.18	35.10	3.27	36.49	3.32
	86.0	28.13	3.23	29.52	3.28	30.91	3.34	31.61	3.37	33.69	3.46	35.08	3.51
	89.6	27.57	3.31	28.96	3.36	30.35	3.42	31.04	3.45	33.13	3.54	34.52	3.59
	95.0	26.72	3.43	28.11	3.49	29.50	3.55	30.20	3.57	32.29	3.66	33.68	3.72
	104.0	23.46	2.56	24.45	2.56	25.41	2.56	25.89	2.56	27.29	2.56	28.19	2.56
	109.4	18.76	1.77	19.44	1.77	20.10	1.77	20.43	1.77	21.39	1.77	22.02	1.77
	114.8	11.86	0.98	12.23	0.98	12.60	0.98	12.78	0.98	13.31	0.98	13.65	0.98
CTXS09H + CTXS09H + CTXS09H	68.0	27.97	2.02	29.23	2.06	30.48	2.10	31.11	2.12	33.00	2.18	34.26	2.23
	77.0	26.70	2.15	27.96	2.19	29.21	2.23	29.84	2.25	31.73	2.31	32.99	2.35
	86.0	25.43	2.28	26.68	2.32	27.94	2.36	28.57	2.38	30.46	2.44	31.72	2.48
	89.6	24.92	2.33	26.18	2.37	27.43	2.41	28.06	2.44	29.95	2.50	31.21	2.54
	95.0	24.16	2.42	25.41	2.46	26.67	2.50	27.30	2.52	29.19	2.58	30.44	2.62
	104.0	22.82	2.56	23.92	2.56	24.98	2.56	25.50	2.56	27.03	2.56	28.03	2.56
	109.4	17.93	1.77	18.68	1.77	19.41	1.77	19.77	1.77	20.83	1.77	21.51	1.77
	114.8	11.19	0.98	11.60	0.98	12.00	0.98	12.20	0.98	12.78	0.98	13.16	0.98
CTXS09H + CTXS09H + FDXS09L	68.0	27.25	2.09	28.48	2.13	29.70	2.17	30.32	2.19	32.15	2.25	33.38	2.30
	77.0	26.01	2.21	27.24	2.26	28.46	2.30	29.08	2.32	30.92	2.38	32.14	2.42
	86.0	24.77	2.35	26.00	2.39	27.23	2.43	27.84	2.45	29.68	2.52	30.90	2.56
	89.6	24.28	2.41	25.50	2.45	26.73	2.49	27.34	2.51	29.18	2.57	30.41	2.62
	95.0	23.54	2.50	24.76	2.54	25.99	2.58	26.60	2.60	28.44	2.67	29.66	2.71
	104.0	21.99	2.56	23.04	2.56	24.06	2.56	24.56	2.56	26.04	2.56	26.99	2.56
	109.4	17.42	1.77	18.14	1.77	18.85	1.77	19.19	1.77	20.21	1.77	20.87	1.77
	114.8	10.94	0.98	11.34	0.98	11.73	0.98	11.92	0.98	12.48	0.98	12.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FDXS09L	68.0	27.05	2.25	28.26	2.29	29.48	2.34	30.09	2.36	31.91	2.43	33.13	2.47
	77.0	25.82	2.38	27.03	2.43	28.25	2.47	28.86	2.50	30.68	2.56	31.90	2.61
	86.0	24.59	2.53	25.80	2.58	27.02	2.62	27.63	2.64	29.45	2.71	30.67	2.76
	89.6	24.10	2.59	25.31	2.64	26.53	2.68	27.14	2.71	28.96	2.77	30.18	2.82
	95.0	23.36	2.69	24.58	2.74	25.79	2.78	26.40	2.80	28.22	2.87	29.44	2.91
	104.0	21.38	2.56	22.38	2.56	23.35	2.56	23.83	2.56	25.24	2.56	26.16	2.56
	109.4	17.11	1.77	17.79	1.77	18.47	1.77	18.80	1.77	19.77	1.77	20.40	1.77
	114.8	10.82	0.98	11.20	0.98	11.57	0.98	11.76	0.98	12.29	0.98	12.64	0.98
FDXS09L + FDXS09L + FDXS09L	68.0	26.33	2.36	27.51	2.41	28.70	2.45	29.29	2.48	31.07	2.55	32.25	2.60
	77.0	25.13	2.50	26.32	2.55	27.50	2.60	28.09	2.62	29.87	2.69	31.05	2.74
	86.0	23.94	2.66	25.12	2.70	26.30	2.75	26.90	2.78	28.67	2.85	29.86	2.89
	89.6	23.46	2.72	24.64	2.77	25.83	2.82	26.42	2.84	28.19	2.91	29.38	2.96
	95.0	22.74	2.83	23.92	2.87	25.11	2.92	25.70	2.94	27.48	3.01	28.66	3.06
	104.0	20.68	2.56	21.64	2.56	22.57	2.56	23.03	2.56	24.38	2.56	25.26	2.56
	109.4	16.72	1.77	17.37	1.77	18.02	1.77	18.33	1.77	19.26	1.77	19.87	1.77
	114.8	10.65	0.98	11.02	0.98	11.37	0.98	11.55	0.98	12.06	0.98	12.39	0.98
CTXS09H + CTXS09H + CTXS12H	68.0	29.10	2.27	30.40	2.32	31.71	2.36	32.37	2.39	34.33	2.45	35.64	2.50
	77.0	27.77	2.41	29.08	2.45	30.39	2.50	31.04	2.52	33.01	2.59	34.32	2.64
	86.0	26.45	2.56	27.76	2.60	29.07	2.65	29.72	2.67	31.69	2.74	32.99	2.78
	89.6	25.92	2.62	27.23	2.67	28.54	2.71	29.19	2.73	31.16	2.80	32.46	2.85
	95.0	25.13	2.72	26.44	2.77	27.75	2.81	28.40	2.83	30.36	2.90	31.67	2.95
	104.0	22.81	2.56	23.86	2.56	24.89	2.56	25.39	2.56	26.87	2.56	27.83	2.56
	109.4	18.04	1.77	18.77	1.77	19.47	1.77	19.82	1.77	20.84	1.77	21.50	1.77
	114.8	11.32	0.98	11.71	0.98	12.10	0.98	12.29	0.98	12.86	0.98	13.22	0.98
CTXS09H + CTXS09H + FDXS12L	68.0	28.58	2.38	29.87	2.43	31.15	2.48	31.80	2.50	33.73	2.58	35.01	2.62
	77.0	27.28	2.53	28.57	2.58	29.86	2.62	30.50	2.65	32.43	2.72	33.71	2.77
	86.0	25.99	2.68	27.27	2.73	28.56	2.78	29.20	2.80	31.13	2.88	32.41	2.92
	89.6	25.47	2.75	26.75	2.80	28.04	2.85	28.68	2.87	30.61	2.94	31.89	2.99
	95.0	24.69	2.85	25.97	2.90	27.26	2.95	27.90	2.97	29.83	3.04	31.11	3.09
	104.0	22.21	2.56	23.22	2.56	24.21	2.56	24.70	2.56	26.13	2.56	27.05	2.56
	109.4	17.71	1.77	18.41	1.77	19.09	1.77	19.42	1.77	20.41	1.77	21.05	1.77
	114.8	11.18	0.98	11.56	0.98	11.94	0.98	12.12	0.98	12.66	0.98	13.01	0.98
CTXS09H + FDXS09L + CTXS12H	68.0	28.58	2.38	29.87	2.43	31.15	2.48	31.80	2.50	33.73	2.58	35.01	2.62
	77.0	27.28	2.53	28.57	2.58	29.86	2.62	30.50	2.65	32.43	2.72	33.71	2.77
	86.0	25.99	2.68	27.27	2.73	28.56	2.78	29.20	2.80	31.13	2.88	32.41	2.92
	89.6	25.47	2.75	26.75	2.80	28.04	2.85	28.68	2.87	30.61	2.94	31.89	2.99
	95.0	24.69	2.85	25.97	2.90	27.26	2.95	27.90	2.97	29.83	3.04	31.11	3.09
	104.0	22.21	2.56	23.22	2.56	24.21	2.56	24.70	2.56	26.13	2.56	27.05	2.56
	109.4	17.71	1.77	18.41	1.77	19.09	1.77	19.42	1.77	20.41	1.77	21.05	1.77
	114.8	11.18	0.98	11.56	0.98	11.94	0.98	12.12	0.98	12.66	0.98	13.01	0.98
CTXS09H + FDXS09L + FDXS12L	68.0	28.17	2.55	29.44	2.60	30.71	2.66	31.34	2.68	33.24	2.76	34.51	2.81
	77.0	26.89	2.71	28.16	2.76	29.43	2.81	30.06	2.83	31.96	2.91	33.23	2.96
	86.0	25.61	2.87	26.88	2.93	28.15	2.98	28.78	3.00	30.68	3.08	31.95	3.13
	89.6	25.10	2.95	26.37	3.00	27.63	3.05	28.27	3.07	30.17	3.15	31.44	3.20
	95.0	24.33	3.06	25.60	3.11	26.87	3.16	27.50	3.18	29.40	3.26	30.67	3.31
	104.0	21.77	2.56	22.74	2.56	23.69	2.56	24.15	2.56	25.52	2.56	26.41	2.56
	109.4	17.51	1.77	18.18	1.77	18.83	1.77	19.15	1.77	20.09	1.77	20.71	1.77
	114.8	11.12	0.98	11.49	0.98	11.85	0.98	12.03	0.98	12.55	0.98	12.89	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CTXS12H	68.0	28.17	2.55	29.44	2.60	30.71	2.66	31.34	2.68	33.24	2.76	34.51	2.81
	77.0	26.89	2.71	28.16	2.76	29.43	2.81	30.06	2.83	31.96	2.91	33.23	2.96
	86.0	25.61	2.87	26.88	2.93	28.15	2.98	28.78	3.00	30.68	3.08	31.95	3.13
	89.6	25.10	2.95	26.37	3.00	27.63	3.05	28.27	3.07	30.17	3.15	31.44	3.20
	95.0	24.33	3.06	25.60	3.11	26.87	3.16	27.50	3.18	29.40	3.26	30.67	3.31
	104.0	21.77	2.56	22.74	2.56	23.69	2.56	24.15	2.56	25.52	2.56	26.41	2.56
	109.4	17.51	1.77	18.18	1.77	18.83	1.77	19.15	1.77	20.09	1.77	20.71	1.77
FDXS09L + FDXS09L + FDXS12L	68.0	27.56	2.72	28.80	2.78	30.04	2.83	30.66	2.86	32.52	2.94	33.76	2.99
	77.0	26.31	2.89	27.55	2.94	28.79	2.99	29.41	3.02	31.26	3.10	32.50	3.16
	86.0	25.05	3.06	26.29	3.12	27.53	3.17	28.15	3.20	30.01	3.28	31.25	3.34
	89.6	24.55	3.14	25.79	3.19	27.03	3.25	27.65	3.28	29.51	3.36	30.75	3.41
	95.0	23.80	3.26	25.04	3.31	26.28	3.37	26.90	3.39	28.76	3.47	30.00	3.53
	104.0	21.40	2.56	22.33	2.56	23.24	2.56	23.68	2.56	25.00	2.56	25.85	2.56
	109.4	17.36	1.77	17.99	1.77	18.62	1.77	18.93	1.77	19.83	1.77	20.43	1.77
CTXS09H + CTXS09H + FTXS15L	68.0	30.12	2.34	31.48	2.39	32.83	2.44	33.51	2.46	35.54	2.53	36.89	2.58
	77.0	28.75	2.49	30.11	2.53	31.46	2.58	32.14	2.60	34.17	2.67	35.52	2.72
	86.0	27.38	2.64	28.74	2.69	30.09	2.73	30.77	2.76	32.80	2.83	34.16	2.87
	89.6	26.84	2.70	28.19	2.75	29.54	2.80	30.22	2.82	32.25	2.89	33.61	2.94
	95.0	26.01	2.81	27.37	2.85	28.72	2.90	29.40	2.92	31.43	2.99	32.79	3.04
	104.0	23.36	2.56	24.42	2.56	25.46	2.56	25.97	2.56	27.47	2.56	28.44	2.56
	109.4	18.43	1.77	19.16	1.77	19.88	1.77	20.23	1.77	21.26	1.77	21.93	1.77
CTXS09H + CTXS09H + CDXS15L	68.0	29.61	2.43	30.94	2.48	32.27	2.53	32.94	2.55	34.93	2.63	36.27	2.68
	77.0	28.26	2.58	29.59	2.63	30.93	2.68	31.59	2.70	33.59	2.77	34.92	2.82
	86.0	26.92	2.74	28.25	2.79	29.58	2.84	30.25	2.86	32.24	2.93	33.57	2.98
	89.6	26.38	2.81	27.71	2.86	29.04	2.90	29.71	2.93	31.70	3.00	33.04	3.05
	95.0	25.57	2.91	26.90	2.96	28.23	3.01	28.90	3.03	30.90	3.11	32.23	3.15
	104.0	22.84	2.56	23.86	2.56	24.87	2.56	25.36	2.56	26.81	2.56	27.75	2.56
	109.4	18.14	1.77	18.85	1.77	19.54	1.77	19.88	1.77	20.88	1.77	21.53	1.77
CTXS09H + FDXS09L + FTXS15L	68.0	29.71	2.47	31.05	2.51	32.38	2.56	33.05	2.59	35.06	2.66	36.39	2.71
	77.0	28.36	2.61	29.70	2.66	31.03	2.71	31.70	2.74	33.70	2.81	35.04	2.86
	86.0	27.01	2.78	28.35	2.82	29.68	2.87	30.35	2.90	32.35	2.97	33.69	3.02
	89.6	26.47	2.84	27.81	2.89	29.14	2.94	29.81	2.97	31.81	3.04	33.15	3.09
	95.0	25.66	2.95	27.00	3.00	28.33	3.05	29.00	3.07	31.00	3.15	32.34	3.20
	104.0	22.86	2.56	23.88	2.56	24.88	2.56	25.38	2.56	26.82	2.56	27.76	2.56
	109.4	18.17	1.77	18.87	1.77	19.56	1.77	19.90	1.77	20.90	1.77	21.54	1.77
CTXS09H + FDXS09L + CDXS15L	68.0	29.20	2.55	30.51	2.60	31.82	2.66	32.48	2.68	34.45	2.76	35.76	2.81
	77.0	27.87	2.71	29.18	2.76	30.50	2.81	31.15	2.83	33.12	2.91	34.44	2.96
	86.0	26.54	2.87	27.86	2.93	29.17	2.98	29.83	3.00	31.80	3.08	33.11	3.13
	89.6	26.01	2.95	27.33	3.00	28.64	3.05	29.30	3.07	31.27	3.15	32.58	3.20
	95.0	25.22	3.06	26.53	3.11	27.84	3.16	28.50	3.18	30.47	3.26	31.78	3.31
	104.0	22.43	2.56	23.43	2.56	24.40	2.56	24.88	2.56	26.28	2.56	27.19	2.56
	109.4	17.94	1.77	18.62	1.77	19.29	1.77	19.62	1.77	20.59	1.77	21.22	1.77
114.8	11.34	0.98	11.72	0.98	12.09	0.98	12.27	0.98	12.80	0.98	13.15	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FTXS15L	68.0	29.20	2.58	30.51	2.63	31.82	2.68	32.48	2.71	34.45	2.78	35.76	2.83
	77.0	27.87	2.73	29.18	2.78	30.50	2.84	31.15	2.86	33.12	2.94	34.44	2.99
	86.0	26.54	2.90	27.86	2.95	29.17	3.00	29.83	3.03	31.80	3.11	33.11	3.16
	89.6	26.01	2.97	27.33	3.02	28.64	3.08	29.30	3.10	31.27	3.18	32.58	3.23
	95.0	25.22	3.08	26.53	3.14	27.84	3.19	28.50	3.21	30.47	3.29	31.78	3.34
	104.0	22.42	2.56	23.41	2.56	24.37	2.56	24.85	2.56	26.25	2.56	27.16	2.56
	109.4	17.94	1.77	18.62	1.77	19.29	1.77	19.61	1.77	20.58	1.77	21.21	1.77
	114.8	11.35	0.98	11.72	0.98	12.09	0.98	12.27	0.98	12.80	0.98	13.15	0.98
FDXS09L + FDXS09L + CDXS15L	68.0	28.69	2.67	29.98	2.72	31.27	2.77	31.91	2.80	33.85	2.88	35.14	2.93
	77.0	27.38	2.83	28.67	2.88	29.96	2.93	30.61	2.96	32.54	3.04	33.83	3.09
	86.0	26.08	3.00	27.37	3.05	28.66	3.11	29.30	3.13	31.24	3.21	32.53	3.27
	89.6	25.56	3.08	26.85	3.13	28.14	3.18	28.78	3.21	30.72	3.29	32.01	3.34
	95.0	24.77	3.19	26.06	3.24	27.35	3.30	28.00	3.32	29.94	3.40	31.23	3.46
	104.0	22.07	2.56	23.03	2.56	23.98	2.56	24.44	2.56	25.80	2.56	26.69	2.56
	109.4	17.76	1.77	18.42	1.77	19.07	1.77	19.39	1.77	20.33	1.77	20.94	1.77
	114.8	11.28	0.98	11.65	0.98	12.01	0.98	12.18	0.98	12.70	0.98	13.04	0.98
CTXS09H + CTXS09H + FTXS18L	68.0	31.35	2.77	32.76	2.83	34.17	2.88	34.87	2.91	36.99	2.99	38.40	3.05
	77.0	29.93	2.94	31.33	2.99	32.74	3.05	33.45	3.08	35.56	3.16	36.97	3.21
	86.0	28.50	3.12	29.91	3.17	31.32	3.23	32.02	3.26	34.14	3.34	35.55	3.39
	89.6	27.93	3.20	29.34	3.25	30.75	3.31	31.45	3.33	33.57	3.42	34.98	3.47
	95.0	27.08	3.32	28.49	3.37	29.90	3.43	30.60	3.45	32.71	3.54	34.12	3.59
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.52	2.56
	109.4	18.85	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.63	0.98	12.82	0.98	13.36	0.98	13.71	0.98
CTXS09H + CTXS09H + CDXS18L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
CTXS09H + FDXS09L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
CTXS09H + FDXS09L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
FDXS09L + FDXS09L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
CTXS09H + CTXS12H + CTXS12H	68.0	30.22	2.59	31.58	2.64	32.94	2.69	33.62	2.71	35.66	2.79	37.02	2.84
	77.0	28.85	2.74	30.21	2.79	31.57	2.84	32.25	2.87	34.29	2.95	35.65	3.00
	86.0	27.48	2.91	28.83	2.96	30.19	3.01	30.87	3.04	32.91	3.12	34.27	3.17
	89.6	26.93	2.98	28.29	3.03	29.64	3.09	30.32	3.11	32.36	3.19	33.72	3.24
	95.0	26.10	3.09	27.46	3.15	28.82	3.20	29.50	3.22	31.54	3.30	32.90	3.35
	104.0	23.06	2.56	24.08	2.56	25.07	2.56	25.56	2.56	26.99	2.56	27.92	2.56
	109.4	18.36	1.77	19.06	1.77	19.74	1.77	20.08	1.77	21.06	1.77	21.70	1.77
CTXS09H + CTXS12H + FDXS12L	68.0	29.61	2.71	30.94	2.76	32.27	2.81	32.94	2.84	34.93	2.92	36.27	2.98
	77.0	28.26	2.87	29.59	2.92	30.93	2.98	31.59	3.00	33.59	3.08	34.92	3.14
	86.0	26.92	3.05	28.25	3.10	29.58	3.15	30.25	3.18	32.24	3.26	33.57	3.32
	89.6	26.38	3.12	27.71	3.18	29.04	3.23	29.71	3.26	31.70	3.34	33.04	3.39
	95.0	25.57	3.24	26.90	3.29	28.23	3.35	28.90	3.37	30.90	3.45	32.23	3.51
	104.0	22.64	2.56	23.62	2.56	24.57	2.56	25.04	2.56	26.43	2.56	27.33	2.56
	109.4	18.15	1.77	18.82	1.77	19.48	1.77	19.80	1.77	20.76	1.77	21.38	1.77
CTXS09H + FDXS12L + FDXS12L	68.0	29.10	2.87	30.40	2.93	31.71	2.99	32.37	3.02	34.33	3.10	35.64	3.16
	77.0	27.77	3.05	29.08	3.11	30.39	3.16	31.04	3.19	33.01	3.28	34.32	3.33
	86.0	26.45	3.24	27.76	3.29	29.07	3.35	29.72	3.38	31.69	3.47	32.99	3.52
	89.6	25.92	3.32	27.23	3.37	28.54	3.43	29.19	3.46	31.16	3.55	32.46	3.60
	95.0	25.13	3.44	26.44	3.50	27.75	3.56	28.40	3.58	30.36	3.67	31.67	3.73
	104.0	22.41	2.56	23.36	2.56	24.28	2.56	24.74	2.56	26.08	2.56	26.95	2.56
	109.4	18.08	1.77	18.73	1.77	19.37	1.77	19.68	1.77	20.61	1.77	21.21	1.77
FDXS09L + CTXS12H + CTXS12H	68.0	29.61	2.71	30.94	2.76	32.27	2.81	32.94	2.84	34.93	2.92	36.27	2.98
	77.0	28.26	2.87	29.59	2.92	30.93	2.98	31.59	3.00	33.59	3.08	34.92	3.14
	86.0	26.92	3.05	28.25	3.10	29.58	3.15	30.25	3.18	32.24	3.26	33.57	3.32
	89.6	26.38	3.12	27.71	3.18	29.04	3.23	29.71	3.26	31.70	3.34	33.04	3.39
	95.0	25.57	3.24	26.90	3.29	28.23	3.35	28.90	3.37	30.90	3.45	32.23	3.51
	104.0	22.64	2.56	23.62	2.56	24.57	2.56	25.04	2.56	26.43	2.56	27.33	2.56
	109.4	18.15	1.77	18.82	1.77	19.48	1.77	19.80	1.77	20.76	1.77	21.38	1.77
114.8	11.49	0.98	11.86	0.98	12.23	0.98	12.41	0.98	12.93	0.98	13.28	0.98	



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + FDXS12L	68.0	29.10	2.87	30.40	2.93	31.71	2.99	32.37	3.02	34.33	3.10	35.64	3.16
	77.0	27.77	3.05	29.08	3.11	30.39	3.16	31.04	3.19	33.01	3.28	34.32	3.33
	86.0	26.45	3.24	27.76	3.29	29.07	3.35	29.72	3.38	31.69	3.47	32.99	3.52
	89.6	25.92	3.32	27.23	3.37	28.54	3.43	29.19	3.46	31.16	3.55	32.46	3.60
	95.0	25.13	3.44	26.44	3.50	27.75	3.56	28.40	3.58	30.36	3.67	31.67	3.73
	104.0	22.41	2.56	23.36	2.56	24.28	2.56	24.74	2.56	26.08	2.56	26.95	2.56
	109.4	18.08	1.77	18.73	1.77	19.37	1.77	19.68	1.77	20.61	1.77	21.21	1.77
FDXS09L + FDXS12L + FDXS12L	68.0	28.17	2.94	29.44	3.00	30.71	3.06	31.34	3.09	33.24	3.17	34.51	3.23
	77.0	26.89	3.12	28.16	3.17	29.43	3.23	30.06	3.26	31.96	3.35	33.23	3.41
	86.0	25.61	3.31	26.88	3.37	28.15	3.43	28.78	3.46	30.68	3.54	31.95	3.60
	89.6	25.10	3.39	26.37	3.45	27.63	3.51	28.27	3.54	30.17	3.62	31.44	3.68
	95.0	24.33	3.52	25.60	3.58	26.87	3.63	27.50	3.66	29.40	3.75	30.67	3.81
	104.0	21.96	2.56	22.88	2.56	23.78	2.56	24.22	2.56	25.52	2.56	26.37	2.56
	109.4	17.82	1.77	18.46	1.77	19.07	1.77	19.38	1.77	20.28	1.77	20.86	1.77
CTXS09H + CTXS12H + FTXS15L	68.0	31.35	2.83	32.76	2.88	34.17	2.94	34.87	2.97	36.99	3.05	38.40	3.11
	77.0	29.93	3.00	31.33	3.05	32.74	3.11	33.45	3.14	35.56	3.22	36.97	3.28
	86.0	28.50	3.18	29.91	3.24	31.32	3.29	32.02	3.32	34.14	3.41	35.55	3.46
	89.6	27.93	3.26	29.34	3.32	30.75	3.37	31.45	3.40	33.57	3.49	34.98	3.54
	95.0	27.08	3.38	28.49	3.44	29.90	3.50	30.60	3.52	32.71	3.61	34.12	3.66
	104.0	23.69	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.88	1.77	19.57	1.77	20.24	1.77	20.58	1.77	21.55	1.77	22.19	1.77
CTXS09H + CTXS12H + CDXS15L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
CTXS09H + FDXS12L + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
CTXS09H + FDXS12L + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
	114.8	11.86	0.98	12.23	0.98	12.59	0.98	12.77	0.98	13.30	0.98	13.65	0.98
FDXS09L + CTXS12H + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS09L + FDXS12L + FTXS15L	68.0	30.12	2.91	31.48	2.96	32.83	3.02	33.51	3.05	35.54	3.14	36.89	3.20
	77.0	28.75	3.08	30.11	3.14	31.46	3.20	32.14	3.23	34.17	3.31	35.52	3.37
	86.0	27.38	3.27	28.74	3.33	30.09	3.39	30.77	3.42	32.80	3.50	34.16	3.56
	89.6	26.84	3.35	28.19	3.41	29.54	3.47	30.22	3.50	32.25	3.58	33.61	3.64
	95.0	26.01	3.48	27.37	3.54	28.72	3.59	29.40	3.62	31.43	3.71	32.79	3.77
	104.0	23.02	2.56	23.98	2.56	24.93	2.56	25.39	2.56	26.76	2.56	27.65	2.56
	109.4	18.49	1.77	19.16	1.77	19.80	1.77	20.12	1.77	21.07	1.77	21.68	1.77
	114.8	11.73	0.98	12.10	0.98	12.45	0.98	12.63	0.98	13.15	0.98	13.49	0.98
FDXS09L + FDXS12L + CDXS15L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98
CTXS09H + CTXS12H + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS09H + CTXS12H + CDXS18L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
	114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS12L + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
CTXS09H + FDXS12L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
FDXS09L + CTXS12H + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
FDXS09L + CTXS12H + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
FDXS09L + FDXS12L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
FDXS09L + FDXS12L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + FTXS15L	68.0	31.66	2.68	33.08	2.74	34.50	2.79	35.22	2.82	37.35	2.90	38.78	2.95
	77.0	30.22	2.84	31.64	2.90	33.07	2.95	33.78	2.98	35.91	3.06	37.34	3.11
	86.0	28.78	3.02	30.20	3.07	31.63	3.13	32.34	3.15	34.47	3.23	35.90	3.29
	89.6	28.20	3.09	29.63	3.15	31.05	3.20	31.76	3.23	33.90	3.31	35.32	3.36
	95.0	27.34	3.21	28.76	3.26	30.19	3.32	30.90	3.34	33.04	3.42	34.46	3.48
	104.0	23.89	2.56	24.93	2.56	25.93	2.56	26.43	2.56	27.89	2.56	28.83	2.56
	109.4	18.94	1.77	19.65	1.77	20.35	1.77	20.69	1.77	21.69	1.77	22.35	1.77
	114.8	11.90	0.98	12.29	0.98	12.67	0.98	12.86	0.98	13.41	0.98	13.78	0.98
CTXS09H + FTXS15L + CDXS15L	68.0	31.15	2.72	32.55	2.78	33.95	2.83	34.65	2.86	36.75	2.94	38.15	2.99
	77.0	29.73	2.89	31.13	2.94	32.53	2.99	33.23	3.02	35.33	3.10	36.73	3.16
	86.0	28.31	3.06	29.71	3.12	31.12	3.17	31.82	3.20	33.92	3.28	35.32	3.34
	89.6	27.75	3.14	29.15	3.19	30.55	3.25	31.25	3.28	33.35	3.36	34.75	3.41
	95.0	26.90	3.26	28.30	3.31	29.70	3.37	30.40	3.39	32.50	3.47	33.90	3.53
	104.0	23.57	2.56	24.58	2.56	25.57	2.56	26.06	2.56	27.49	2.56	28.42	2.56
	109.4	18.75	1.77	19.45	1.77	20.13	1.77	20.47	1.77	21.45	1.77	22.09	1.77
	114.8	11.81	0.98	12.20	0.98	12.57	0.98	12.76	0.98	13.30	0.98	13.65	0.98
CTXS09H + CDXS15L + CDXS15L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
FDXS09L + FTXS15L + FTXS15L	68.0	31.15	2.75	32.55	2.81	33.95	2.86	34.65	2.89	36.75	2.97	38.15	3.03
	77.0	29.73	2.92	31.13	2.97	32.53	3.03	33.23	3.06	35.33	3.14	36.73	3.19
	86.0	28.31	3.10	29.71	3.16	31.12	3.21	31.82	3.24	33.92	3.32	35.32	3.38
	89.6	27.75	3.18	29.15	3.23	30.55	3.29	31.25	3.31	33.35	3.40	34.75	3.45
	95.0	26.90	3.30	28.30	3.35	29.70	3.41	30.40	3.43	32.50	3.52	33.90	3.57
	104.0	23.56	2.56	24.57	2.56	25.55	2.56	26.04	2.56	27.46	2.56	28.39	2.56
	109.4	18.77	1.77	19.46	1.77	20.14	1.77	20.47	1.77	21.45	1.77	22.09	1.77
	114.8	11.83	0.98	12.21	0.98	12.58	0.98	12.77	0.98	13.31	0.98	13.66	0.98
FDXS09L + FTXS15L + CDXS15L	68.0	30.63	2.79	32.01	2.84	33.39	2.90	34.08	2.93	36.14	3.01	37.52	3.06
	77.0	29.24	2.95	30.62	3.01	32.00	3.07	32.68	3.09	34.75	3.18	36.13	3.23
	86.0	27.85	3.14	29.23	3.19	30.60	3.25	31.29	3.28	33.36	3.36	34.74	3.41
	89.6	27.29	3.21	28.67	3.27	30.05	3.33	30.74	3.35	32.80	3.44	34.18	3.49
	95.0	26.46	3.33	27.83	3.39	29.21	3.45	29.90	3.47	31.97	3.56	33.34	3.61
	104.0	23.26	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.10	2.56	28.01	2.56
	109.4	18.59	1.77	19.27	1.77	19.93	1.77	20.26	1.77	21.23	1.77	21.86	1.77
	114.8	11.74	0.98	12.12	0.98	12.49	0.98	12.67	0.98	13.20	0.98	13.55	0.98
FDXS09L + CDXS15L + CDXS15L	68.0	30.12	2.83	31.48	2.88	32.83	2.94	33.51	2.97	35.54	3.05	36.89	3.11
	77.0	28.75	3.00	30.11	3.05	31.46	3.11	32.14	3.14	34.17	3.22	35.52	3.28
	86.0	27.38	3.18	28.74	3.24	30.09	3.29	30.77	3.32	32.80	3.41	34.16	3.46
	89.6	26.84	3.26	28.19	3.32	29.54	3.37	30.22	3.40	32.25	3.49	33.61	3.54
	95.0	26.01	3.38	27.37	3.44	28.72	3.50	29.40	3.52	31.43	3.61	32.79	3.66
	104.0	22.97	2.56	23.94	2.56	24.90	2.56	25.37	2.56	26.74	2.56	27.64	2.56
	109.4	18.42	1.77	19.09	1.77	19.75	1.77	20.07	1.77	21.02	1.77	21.64	1.77
	114.8	11.67	0.98	12.04	0.98	12.40	0.98	12.58	0.98	13.10	0.98	13.45	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FTXS15L + FTXS18L	68.0	31.86	2.79	33.30	2.85	34.73	2.91	35.44	2.93	37.59	3.02	39.03	3.07
	77.0	30.41	2.96	31.85	3.02	33.28	3.07	34.00	3.10	36.15	3.19	37.58	3.24
	86.0	28.97	3.15	30.40	3.20	31.83	3.26	32.55	3.29	34.70	3.37	36.13	3.42
	89.6	28.39	3.22	29.82	3.28	31.25	3.33	31.97	3.36	34.12	3.45	35.55	3.50
	95.0	27.52	3.34	28.95	3.40	30.38	3.46	31.10	3.48	33.25	3.57	34.68	3.62
	104.0	23.98	2.56	25.00	2.56	26.00	2.56	26.49	2.56	27.93	2.56	28.86	2.56
	109.4	19.06	1.77	19.76	1.77	20.44	1.77	20.78	1.77	21.77	1.77	22.42	1.77
	114.8	11.99	0.98	12.38	0.98	12.75	0.98	12.94	0.98	13.49	0.98	13.84	0.98
CTXS09H + FTXS15L + CDXS18L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98
CTXS09H + CDXS15L + FTXS18L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
	114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98
CTXS09H + CDXS15L + CDXS18L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
	114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98
FDXS09L + FTXS15L + FTXS18L	68.0	31.35	2.81	32.76	2.87	34.17	2.92	34.87	2.95	36.99	3.03	38.40	3.09
	77.0	29.93	2.98	31.33	3.04	32.74	3.09	33.45	3.12	35.56	3.20	36.97	3.26
	86.0	28.50	3.16	29.91	3.22	31.32	3.28	32.02	3.30	34.14	3.39	35.55	3.44
	89.6	27.93	3.24	29.34	3.30	30.75	3.35	31.45	3.38	33.57	3.47	34.98	3.52
	95.0	27.08	3.36	28.49	3.42	29.90	3.48	30.60	3.50	32.71	3.59	34.12	3.64
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.87	1.77	19.56	1.77	20.24	1.77	20.57	1.77	21.55	1.77	22.19	1.77
	114.8	11.90	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.38	0.98	13.73	0.98
FDXS09L + FTXS15L + CDXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CDXS15L + FTXS18L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
	114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98
FDXS09L + CDXS15L + CDXS18L	68.0	30.22	2.88	31.58	2.94	32.94	3.00	33.62	3.03	35.66	3.11	37.02	3.17
	77.0	28.85	3.06	30.21	3.11	31.57	3.17	32.25	3.20	34.29	3.29	35.65	3.34
	86.0	27.48	3.25	28.83	3.30	30.19	3.36	30.87	3.39	32.91	3.48	34.27	3.53
	89.6	26.93	3.33	28.29	3.38	29.64	3.44	30.32	3.47	32.36	3.56	33.72	3.61
	95.0	26.10	3.45	27.46	3.51	28.82	3.57	29.50	3.59	31.54	3.68	32.90	3.74
	104.0	23.06	2.56	24.03	2.56	24.98	2.56	25.44	2.56	26.82	2.56	27.71	2.56
	109.4	18.51	1.77	19.17	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.71	1.77
	114.8	11.73	0.98	12.10	0.98	12.46	0.98	12.64	0.98	13.16	0.98	13.50	0.98
CTXS09H + FTXS18L + FTXS18L	68.0	32.07	2.86	33.51	2.92	34.95	2.97	35.67	3.00	37.84	3.09	39.28	3.14
	77.0	30.61	3.03	32.05	3.09	33.49	3.14	34.21	3.17	36.38	3.26	37.82	3.32
	86.0	29.15	3.22	30.59	3.28	32.04	3.33	32.76	3.36	34.92	3.45	36.36	3.50
	89.6	28.57	3.30	30.01	3.35	31.45	3.41	32.17	3.44	34.34	3.53	35.78	3.58
	95.0	27.69	3.42	29.14	3.48	30.58	3.54	31.30	3.56	33.46	3.65	34.91	3.71
	104.0	24.11	2.56	25.12	2.56	26.11	2.56	26.60	2.56	28.03	2.56	28.96	2.56
	109.4	19.17	1.77	19.87	1.77	20.55	1.77	20.88	1.77	21.87	1.77	22.51	1.77
	114.8	12.07	0.98	12.45	0.98	12.83	0.98	13.01	0.98	13.56	0.98	13.91	0.98
CTXS09H + FTXS18L + CDXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS09H + CDXS18L + CDXS18L	68.0	31.04	2.92	32.44	2.98	33.83	3.04	34.53	3.07	36.63	3.16	38.02	3.21
	77.0	29.63	3.10	31.03	3.16	32.42	3.22	33.12	3.24	35.22	3.33	36.61	3.39
	86.0	28.22	3.29	29.62	3.35	31.01	3.41	31.71	3.44	33.80	3.52	35.20	3.58
	89.6	27.66	3.37	29.05	3.43	30.45	3.49	31.15	3.52	33.24	3.60	34.64	3.66
	95.0	26.81	3.50	28.21	3.56	29.60	3.61	30.30	3.64	32.39	3.73	33.79	3.79
	104.0	23.55	2.56	24.53	2.56	25.50	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.52	1.77	20.18	1.77	20.51	1.77	21.46	1.77	22.09	1.77
	114.8	11.92	0.98	12.29	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.71	0.98
FDXS09L + FTXS18L + FTXS18L	68.0	31.66	2.92	33.08	2.98	34.50	3.04	35.22	3.07	37.35	3.16	38.78	3.21
	77.0	30.22	3.10	31.64	3.16	33.07	3.22	33.78	3.24	35.91	3.33	37.34	3.39
	86.0	28.78	3.29	30.20	3.35	31.63	3.41	32.34	3.44	34.47	3.52	35.90	3.58
	89.6	28.20	3.37	29.63	3.43	31.05	3.49	31.76	3.52	33.90	3.60	35.32	3.66
	95.0	27.34	3.50	28.76	3.56	30.19	3.61	30.90	3.64	33.04	3.73	34.46	3.79
	104.0	23.90	2.56	24.89	2.56	25.87	2.56	26.35	2.56	27.76	2.56	28.67	2.56
	109.4	19.07	1.77	19.75	1.77	20.42	1.77	20.75	1.77	21.72	1.77	22.35	1.77
	114.8	12.03	0.98	12.41	0.98	12.78	0.98	12.96	0.98	13.50	0.98	13.85	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FTXS18L + CDXS18L	68.0	31.04	2.90	32.44	2.96	33.83	3.01	34.53	3.04	36.63	3.13	38.02	3.19
	77.0	29.63	3.07	31.03	3.13	32.42	3.19	33.12	3.22	35.22	3.30	36.61	3.36
	86.0	28.22	3.26	29.62	3.32	31.01	3.38	31.71	3.41	33.80	3.49	35.20	3.55
	89.6	27.66	3.34	29.05	3.40	30.45	3.46	31.15	3.49	33.24	3.58	34.64	3.63
	95.0	26.81	3.47	28.21	3.53	29.60	3.58	30.30	3.61	32.39	3.70	33.79	3.76
	104.0	23.54	2.56	24.52	2.56	25.49	2.56	25.96	2.56	27.36	2.56	28.26	2.56
	109.4	18.82	1.77	19.50	1.77	20.16	1.77	20.49	1.77	21.45	1.77	22.08	1.77
FDXS09L + CDXS18L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
CTXS12H + CTXS12H + CTXS12H	68.0	30.94	2.91	32.33	2.97	33.72	3.03	34.42	3.06	36.51	3.15	37.90	3.21
	77.0	29.53	3.09	30.93	3.15	32.32	3.21	33.01	3.24	35.10	3.32	36.49	3.38
	86.0	28.13	3.28	29.52	3.34	30.91	3.40	31.61	3.43	33.69	3.51	35.08	3.57
	89.6	27.57	3.36	28.96	3.42	30.35	3.48	31.04	3.51	33.13	3.59	34.52	3.65
	95.0	26.72	3.49	28.11	3.55	29.50	3.60	30.20	3.63	32.29	3.72	33.68	3.78
	104.0	23.49	2.56	24.47	2.56	25.43	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.80	1.77	19.47	1.77	20.13	1.77	20.46	1.77	21.42	1.77	22.04	1.77
CTXS12H + CTXS12H + FDXS12L	68.0	30.22	2.92	31.58	2.98	32.94	3.04	33.62	3.07	35.66	3.16	37.02	3.21
	77.0	28.85	3.10	30.21	3.16	31.57	3.22	32.25	3.24	34.29	3.33	35.65	3.39
	86.0	27.48	3.29	28.83	3.35	30.19	3.41	30.87	3.44	32.91	3.52	34.27	3.58
	89.6	26.93	3.37	28.29	3.43	29.64	3.49	30.32	3.52	32.36	3.60	33.72	3.66
	95.0	26.10	3.50	27.46	3.56	28.82	3.61	29.50	3.64	31.54	3.73	32.90	3.79
	104.0	23.09	2.56	24.06	2.56	25.00	2.56	25.46	2.56	26.83	2.56	27.72	2.56
	109.4	18.55	1.77	19.21	1.77	19.86	1.77	20.18	1.77	21.12	1.77	21.73	1.77
CTXS12H + FDXS12L + FDXS12L	68.0	29.20	2.93	30.51	2.99	31.82	3.05	32.48	3.08	34.45	3.16	35.76	3.22
	77.0	27.87	3.11	29.18	3.17	30.50	3.22	31.15	3.25	33.12	3.34	34.44	3.40
	86.0	26.54	3.30	27.86	3.36	29.17	3.42	29.83	3.45	31.80	3.53	33.11	3.59
	89.6	26.01	3.38	27.33	3.44	28.64	3.50	29.30	3.53	31.27	3.61	32.58	3.67
	95.0	25.22	3.51	26.53	3.57	27.84	3.62	28.50	3.65	30.47	3.74	31.78	3.80
	104.0	22.52	2.56	23.46	2.56	24.39	2.56	24.84	2.56	26.17	2.56	27.04	2.56
	109.4	18.18	1.77	18.83	1.77	19.47	1.77	19.78	1.77	20.70	1.77	21.30	1.77
FDXS12L + FDXS12L + FDXS12L	68.0	28.17	2.94	29.44	3.00	30.71	3.06	31.34	3.09	33.24	3.17	34.51	3.23
	77.0	26.89	3.12	28.16	3.17	29.43	3.23	30.06	3.26	31.96	3.35	33.23	3.41
	86.0	25.61	3.31	26.88	3.37	28.15	3.43	28.78	3.46	30.68	3.54	31.95	3.60
	89.6	25.10	3.39	26.37	3.45	27.63	3.51	28.27	3.54	30.17	3.62	31.44	3.68
	95.0	24.33	3.52	25.60	3.58	26.87	3.63	27.50	3.66	29.40	3.75	30.67	3.81
	104.0	21.96	2.56	22.88	2.56	23.78	2.56	24.22	2.56	25.52	2.56	26.37	2.56
	109.4	17.82	1.77	18.46	1.77	19.07	1.77	19.38	1.77	20.28	1.77	20.86	1.77
114.8	11.39	0.98	11.74	0.98	12.08	0.98	12.25	0.98	12.75	0.98	13.07	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CTXS12H + FTXS15L	68.0	31.55	2.94	32.97	3.00	34.39	3.06	35.10	3.09	37.23	3.17	38.65	3.23
	77.0	30.12	3.12	31.54	3.17	32.96	3.23	33.67	3.26	35.80	3.35	37.22	3.41
	86.0	28.69	3.31	30.11	3.37	31.52	3.43	32.23	3.46	34.36	3.54	35.78	3.60
	89.6	28.11	3.39	29.53	3.45	30.95	3.51	31.66	3.54	33.79	3.62	35.21	3.68
	95.0	27.25	3.52	28.67	3.58	30.09	3.63	30.80	3.66	32.93	3.75	34.35	3.81
	104.0	23.85	2.56	24.84	2.56	25.81	2.56	26.29	2.56	27.69	2.56	28.61	2.56
	109.4	19.04	1.77	19.73	1.77	20.39	1.77	20.72	1.77	21.69	1.77	22.32	1.77
	114.8	12.02	0.98	12.40	0.98	12.77	0.98	12.95	0.98	13.48	0.98	13.83	0.98
CTXS12H + CTXS12H + CDXS15L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
	114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98
CTXS12H + FDXS12L + FTXS15L	68.0	30.84	2.90	32.22	2.96	33.61	3.01	34.30	3.04	36.38	3.13	37.77	3.19
	77.0	29.44	3.07	30.82	3.13	32.21	3.19	32.90	3.22	34.98	3.30	36.37	3.36
	86.0	28.03	3.26	29.42	3.32	30.81	3.38	31.50	3.41	33.58	3.49	34.97	3.55
	89.6	27.47	3.34	28.86	3.40	30.25	3.46	30.94	3.49	33.02	3.58	34.41	3.63
	95.0	26.63	3.47	28.02	3.53	29.41	3.58	30.10	3.61	32.18	3.70	33.57	3.76
	104.0	23.42	2.56	24.40	2.56	25.36	2.56	25.83	2.56	27.22	2.56	28.12	2.56
	109.4	18.75	1.77	19.42	1.77	20.08	1.77	20.41	1.77	21.36	1.77	21.99	1.77
	114.8	11.86	0.98	12.23	0.98	12.59	0.98	12.77	0.98	13.30	0.98	13.65	0.98
CTXS12H + FDXS12L + CDXS15L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
	114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98
FDXS12L + FDXS12L + FTXS15L	68.0	30.12	2.91	31.48	2.96	32.83	3.02	33.51	3.05	35.54	3.14	36.89	3.20
	77.0	28.75	3.08	30.11	3.14	31.46	3.20	32.14	3.23	34.17	3.31	35.52	3.37
	86.0	27.38	3.27	28.74	3.33	30.09	3.39	30.77	3.42	32.80	3.50	34.16	3.56
	89.6	26.84	3.35	28.19	3.41	29.54	3.47	30.22	3.50	32.25	3.58	33.61	3.64
	95.0	26.01	3.48	27.37	3.54	28.72	3.59	29.40	3.62	31.43	3.71	32.79	3.77
	104.0	23.02	2.56	23.98	2.56	24.93	2.56	25.39	2.56	26.76	2.56	27.65	2.56
	109.4	18.49	1.77	19.16	1.77	19.80	1.77	20.12	1.77	21.07	1.77	21.68	1.77
	114.8	11.73	0.98	12.10	0.98	12.45	0.98	12.63	0.98	13.15	0.98	13.49	0.98
FDXS12L + FDXS12L + CDXS15L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
	114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + CTXS12H + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98	
CTXS12H + CTXS12H + CDXS18L	68.0	31.04	2.91	32.44	2.97	33.83	3.03	34.53	3.06	36.63	3.15	38.02	3.21
	77.0	29.63	3.09	31.03	3.15	32.42	3.21	33.12	3.24	35.22	3.32	36.61	3.38
	86.0	28.22	3.28	29.62	3.34	31.01	3.40	31.71	3.43	33.80	3.51	35.20	3.57
	89.6	27.66	3.36	29.05	3.42	30.45	3.48	31.15	3.51	33.24	3.59	34.64	3.65
	95.0	26.81	3.49	28.21	3.55	29.60	3.60	30.30	3.63	32.39	3.72	33.79	3.78
	104.0	23.55	2.56	24.53	2.56	25.49	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.51	1.77	20.17	1.77	20.50	1.77	21.46	1.77	22.08	1.77
114.8	11.91	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.70	0.98	
CTXS12H + FDXS12L + FTXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98	
CTXS12H + FDXS12L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98	
FDXS12L + FDXS12L + FTXS18L	68.0	30.22	2.91	31.58	2.96	32.94	3.02	33.62	3.05	35.66	3.14	37.02	3.20
	77.0	28.85	3.08	30.21	3.14	31.57	3.20	32.25	3.23	34.29	3.31	35.65	3.37
	86.0	27.48	3.27	28.83	3.33	30.19	3.39	30.87	3.42	32.91	3.50	34.27	3.56
	89.6	26.93	3.35	28.29	3.41	29.64	3.47	30.32	3.50	32.36	3.58	33.72	3.64
	95.0	26.10	3.48	27.46	3.54	28.82	3.59	29.50	3.62	31.54	3.71	32.90	3.77
	104.0	23.08	2.56	24.04	2.56	24.99	2.56	25.46	2.56	26.82	2.56	27.71	2.56
	109.4	18.53	1.77	19.19	1.77	19.84	1.77	20.17	1.77	21.11	1.77	21.72	1.77
114.8	11.75	0.98	12.12	0.98	12.47	0.98	12.65	0.98	13.17	0.98	13.51	0.98	
FDXS12L + FDXS12L + CDXS18L	68.0	29.40	2.94	30.73	3.00	32.05	3.06	32.71	3.09	34.69	3.17	36.01	3.23
	77.0	28.07	3.12	29.39	3.17	30.71	3.23	31.37	3.26	33.36	3.35	34.68	3.41
	86.0	26.73	3.31	28.05	3.37	29.38	3.43	30.04	3.46	32.02	3.54	33.34	3.60
	89.6	26.20	3.39	27.52	3.45	28.84	3.51	29.50	3.54	31.49	3.62	32.81	3.68
	95.0	25.39	3.52	26.72	3.58	28.04	3.63	28.70	3.66	30.68	3.75	32.01	3.81
	104.0	22.65	2.56	23.59	2.56	24.52	2.56	24.97	2.56	26.31	2.56	27.18	2.56
	109.4	18.27	1.77	18.92	1.77	19.55	1.77	19.87	1.77	20.79	1.77	21.39	1.77
114.8	11.62	0.98	11.98	0.98	12.33	0.98	12.51	0.98	13.01	0.98	13.35	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FTXS15L + FTXS15L	68.0	31.86	2.79	33.30	2.85	34.73	2.91	35.44	2.93	37.59	3.02	39.03	3.07
	77.0	30.41	2.96	31.85	3.02	33.28	3.07	34.00	3.10	36.15	3.19	37.58	3.24
	86.0	28.97	3.15	30.40	3.20	31.83	3.26	32.55	3.29	34.70	3.37	36.13	3.42
	89.6	28.39	3.22	29.82	3.28	31.25	3.33	31.97	3.36	34.12	3.45	35.55	3.50
	95.0	27.52	3.34	28.95	3.40	30.38	3.46	31.10	3.48	33.25	3.57	34.68	3.62
	104.0	23.98	2.56	25.00	2.56	26.00	2.56	26.49	2.56	27.93	2.56	28.86	2.56
	109.4	19.06	1.77	19.76	1.77	20.44	1.77	20.78	1.77	21.77	1.77	22.42	1.77
114.8	11.99	0.98	12.38	0.98	12.75	0.98	12.94	0.98	13.49	0.98	13.84	0.98	
CTXS12H + FTXS15L + CDXS15L	68.0	31.35	2.78	32.76	2.83	34.17	2.89	34.87	2.92	36.99	3.00	38.40	3.06
	77.0	29.93	2.95	31.33	3.00	32.74	3.06	33.45	3.08	35.56	3.17	36.97	3.22
	86.0	28.50	3.13	29.91	3.18	31.32	3.24	32.02	3.27	34.14	3.35	35.55	3.40
	89.6	27.93	3.21	29.34	3.26	30.75	3.32	31.45	3.34	33.57	3.43	34.98	3.48
	95.0	27.08	3.33	28.49	3.38	29.90	3.44	30.60	3.46	32.71	3.55	34.12	3.60
	104.0	23.68	2.56	24.69	2.56	25.68	2.56	26.16	2.56	27.59	2.56	28.51	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.56	1.77	21.54	1.77	22.18	1.77
114.8	11.88	0.98	12.26	0.98	12.64	0.98	12.82	0.98	13.36	0.98	13.72	0.98	
CTXS12H + CDXS15L + CDXS15L	68.0	30.84	2.81	32.22	2.87	33.61	2.92	34.30	2.95	36.38	3.03	37.77	3.09
	77.0	29.44	2.98	30.82	3.04	32.21	3.09	32.90	3.12	34.98	3.20	36.37	3.26
	86.0	28.03	3.16	29.42	3.22	30.81	3.28	31.50	3.30	33.58	3.39	34.97	3.44
	89.6	27.47	3.24	28.86	3.30	30.25	3.35	30.94	3.38	33.02	3.47	34.41	3.52
	95.0	26.63	3.36	28.02	3.42	29.41	3.48	30.10	3.50	32.18	3.59	33.57	3.64
	104.0	23.38	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.23	2.56	28.14	2.56
	109.4	18.68	1.77	19.36	1.77	20.03	1.77	20.36	1.77	21.33	1.77	21.95	1.77
114.8	11.80	0.98	12.17	0.98	12.54	0.98	12.72	0.98	13.26	0.98	13.61	0.98	
FDXS12L + FTXS15L + FTXS15L	68.0	31.35	2.81	32.76	2.87	34.17	2.92	34.87	2.95	36.99	3.03	38.40	3.09
	77.0	29.93	2.98	31.33	3.04	32.74	3.09	33.45	3.12	35.56	3.20	36.97	3.26
	86.0	28.50	3.16	29.91	3.22	31.32	3.28	32.02	3.30	34.14	3.39	35.55	3.44
	89.6	27.93	3.24	29.34	3.30	30.75	3.35	31.45	3.38	33.57	3.47	34.98	3.52
	95.0	27.08	3.36	28.49	3.42	29.90	3.48	30.60	3.50	32.71	3.59	34.12	3.64
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.15	2.56	27.57	2.56	28.49	2.56
	109.4	18.87	1.77	19.56	1.77	20.24	1.77	20.57	1.77	21.55	1.77	22.19	1.77
114.8	11.90	0.98	12.28	0.98	12.65	0.98	12.83	0.98	13.38	0.98	13.73	0.98	
FDXS12L + FTXS15L + CDXS15L	68.0	30.84	2.84	32.22	2.90	33.61	2.96	34.30	2.98	36.38	3.07	37.77	3.13
	77.0	29.44	3.01	30.82	3.07	32.21	3.13	32.90	3.16	34.98	3.24	36.37	3.30
	86.0	28.03	3.20	29.42	3.26	30.81	3.31	31.50	3.34	33.58	3.43	34.97	3.48
	89.6	27.47	3.28	28.86	3.34	30.25	3.39	30.94	3.42	33.02	3.51	34.41	3.56
	95.0	26.63	3.40	28.02	3.46	29.41	3.52	30.10	3.54	32.18	3.63	33.57	3.69
	104.0	23.39	2.56	24.38	2.56	25.35	2.56	25.82	2.56	27.22	2.56	28.13	2.56
	109.4	18.70	1.77	19.38	1.77	20.05	1.77	20.37	1.77	21.34	1.77	21.96	1.77
114.8	11.82	0.98	12.19	0.98	12.56	0.98	12.74	0.98	13.27	0.98	13.62	0.98	
FDXS12L + CDXS15L + CDXS15L	68.0	30.22	2.88	31.58	2.94	32.94	3.00	33.62	3.03	35.66	3.11	37.02	3.17
	77.0	28.85	3.06	30.21	3.11	31.57	3.17	32.25	3.20	34.29	3.29	35.65	3.34
	86.0	27.48	3.25	28.83	3.30	30.19	3.36	30.87	3.39	32.91	3.48	34.27	3.53
	89.6	26.93	3.33	28.29	3.38	29.64	3.44	30.32	3.47	32.36	3.56	33.72	3.61
	95.0	26.10	3.45	27.46	3.51	28.82	3.57	29.50	3.59	31.54	3.68	32.90	3.74
	104.0	23.06	2.56	24.03	2.56	24.98	2.56	25.44	2.56	26.82	2.56	27.71	2.56
	109.4	18.51	1.77	19.17	1.77	19.83	1.77	20.15	1.77	21.09	1.77	21.71	1.77
114.8	11.73	0.98	12.10	0.98	12.46	0.98	12.64	0.98	13.16	0.98	13.50	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS12H + FTXS15L + FTXS18L	68.0	31.96	2.85	33.40	2.91	34.84	2.96	35.56	2.99	37.71	3.08	39.15	3.13
	77.0	30.51	3.02	31.95	3.08	33.39	3.14	34.11	3.16	36.26	3.25	37.70	3.31
	86.0	29.06	3.21	30.50	3.27	31.93	3.32	32.65	3.35	34.81	3.44	36.25	3.49
	89.6	28.48	3.29	29.92	3.35	31.35	3.40	32.07	3.43	34.23	3.52	35.67	3.57
	95.0	27.61	3.41	29.04	3.47	30.48	3.53	31.20	3.55	33.36	3.64	34.79	3.70
	104.0	24.05	2.56	25.06	2.56	26.05	2.56	26.54	2.56	27.97	2.56	28.90	2.56
	109.4	19.13	1.77	19.82	1.77	20.50	1.77	20.84	1.77	21.82	1.77	22.47	1.77
	114.8	12.04	0.98	12.42	0.98	12.80	0.98	12.99	0.98	13.53	0.98	13.88	0.98
CTXS12H + FTXS15L + CDXS18L	68.0	31.55	2.88	32.97	2.94	34.39	3.00	35.10	3.03	37.23	3.11	38.65	3.17
	77.0	30.12	3.06	31.54	3.11	32.96	3.17	33.67	3.20	35.80	3.29	37.22	3.34
	86.0	28.69	3.25	30.11	3.30	31.52	3.36	32.23	3.39	34.36	3.48	35.78	3.53
	89.6	28.11	3.33	29.53	3.38	30.95	3.44	31.66	3.47	33.79	3.56	35.21	3.61
	95.0	27.25	3.45	28.67	3.51	30.09	3.57	30.80	3.59	32.93	3.68	34.35	3.74
	104.0	23.82	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.68	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.29	1.77
	114.8	11.98	0.98	12.36	0.98	12.73	0.98	12.92	0.98	13.45	0.98	13.80	0.98
CTXS12H + CDXS15L + FTXS18L	68.0	31.55	2.89	32.97	2.95	34.39	3.01	35.10	3.03	37.23	3.12	38.65	3.18
	77.0	30.12	3.06	31.54	3.12	32.96	3.18	33.67	3.21	35.80	3.30	37.22	3.35
	86.0	28.69	3.25	30.11	3.31	31.52	3.37	32.23	3.40	34.36	3.48	35.78	3.54
	89.6	28.11	3.33	29.53	3.39	30.95	3.45	31.66	3.48	33.79	3.57	35.21	3.62
	95.0	27.25	3.46	28.67	3.52	30.09	3.58	30.80	3.60	32.93	3.69	34.35	3.75
	104.0	23.83	2.56	24.82	2.56	25.80	2.56	26.28	2.56	27.69	2.56	28.61	2.56
	109.4	19.00	1.77	19.69	1.77	20.36	1.77	20.69	1.77	21.66	1.77	22.30	1.77
	114.8	11.99	0.98	12.37	0.98	12.74	0.98	12.92	0.98	13.46	0.98	13.81	0.98
CTXS12H + CDXS15L + CDXS18L	68.0	31.04	2.92	32.44	2.98	33.83	3.04	34.53	3.07	36.63	3.16	38.02	3.21
	77.0	29.63	3.10	31.03	3.16	32.42	3.22	33.12	3.24	35.22	3.33	36.61	3.39
	86.0	28.22	3.29	29.62	3.35	31.01	3.41	31.71	3.44	33.80	3.52	35.20	3.58
	89.6	27.66	3.37	29.05	3.43	30.45	3.49	31.15	3.52	33.24	3.60	34.64	3.66
	95.0	26.81	3.50	28.21	3.56	29.60	3.61	30.30	3.64	32.39	3.73	33.79	3.79
	104.0	23.55	2.56	24.53	2.56	25.50	2.56	25.97	2.56	27.36	2.56	28.26	2.56
	109.4	18.84	1.77	19.52	1.77	20.18	1.77	20.51	1.77	21.46	1.77	22.09	1.77
	114.8	11.92	0.98	12.29	0.98	12.65	0.98	12.83	0.98	13.36	0.98	13.71	0.98
FDXS12L + FTXS15L + FTXS18L	68.0	31.55	2.92	32.97	2.98	34.39	3.04	35.10	3.07	37.23	3.16	38.65	3.21
	77.0	30.12	3.10	31.54	3.16	32.96	3.22	33.67	3.24	35.80	3.33	37.22	3.39
	86.0	28.69	3.29	30.11	3.35	31.52	3.41	32.23	3.44	34.36	3.52	35.78	3.58
	89.6	28.11	3.37	29.53	3.43	30.95	3.49	31.66	3.52	33.79	3.60	35.21	3.66
	95.0	27.25	3.50	28.67	3.56	30.09	3.61	30.80	3.64	32.93	3.73	34.35	3.79
	104.0	23.84	2.56	24.83	2.56	25.81	2.56	26.28	2.56	27.69	2.56	28.60	2.56
	109.4	19.03	1.77	19.71	1.77	20.38	1.77	20.71	1.77	21.68	1.77	22.31	1.77
	114.8	12.01	0.98	12.39	0.98	12.76	0.98	12.94	0.98	13.47	0.98	13.82	0.98
FDXS12L + FTXS15L + CDXS18L	68.0	30.94	2.90	32.33	2.96	33.72	3.01	34.42	3.04	36.51	3.13	37.90	3.19
	77.0	29.53	3.07	30.93	3.13	32.32	3.19	33.01	3.22	35.10	3.30	36.49	3.36
	86.0	28.13	3.26	29.52	3.32	30.91	3.38	31.61	3.41	33.69	3.49	35.08	3.55
	89.6	27.57	3.34	28.96	3.40	30.35	3.46	31.04	3.49	33.13	3.58	34.52	3.63
	95.0	26.72	3.47	28.11	3.53	29.50	3.58	30.20	3.61	32.29	3.70	33.68	3.76
	104.0	23.48	2.56	24.46	2.56	25.42	2.56	25.90	2.56	27.29	2.56	28.19	2.56
	109.4	18.78	1.77	19.46	1.77	20.12	1.77	20.45	1.77	21.41	1.77	22.03	1.77
	114.8	11.88	0.98	12.25	0.98	12.62	0.98	12.80	0.98	13.33	0.98	13.67	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS12L + CDXS15L + FTXS18L	68.0	31.04	2.90	32.44	2.96	33.83	3.01	34.53	3.04	36.63	3.13	38.02	3.19
	77.0	29.63	3.07	31.03	3.13	32.42	3.19	33.12	3.22	35.22	3.30	36.61	3.36
	86.0	28.22	3.26	29.62	3.32	31.01	3.38	31.71	3.41	33.80	3.49	35.20	3.55
	89.6	27.66	3.34	29.05	3.40	30.45	3.46	31.15	3.49	33.24	3.58	34.64	3.63
	95.0	26.81	3.47	28.21	3.53	29.60	3.58	30.30	3.61	32.39	3.70	33.79	3.76
	104.0	23.54	2.56	24.52	2.56	25.49	2.56	25.96	2.56	27.36	2.56	28.26	2.56
	109.4	18.82	1.77	19.50	1.77	20.16	1.77	20.49	1.77	21.45	1.77	22.08	1.77
114.8	11.90	0.98	12.27	0.98	12.64	0.98	12.82	0.98	13.35	0.98	13.69	0.98	
FDXS12L + CDXS15L + CDXS18L	68.0	30.33	2.93	31.69	2.99	33.05	3.05	33.73	3.08	35.78	3.16	37.14	3.22
	77.0	28.95	3.11	30.31	3.17	31.67	3.22	32.36	3.25	34.40	3.34	35.77	3.40
	86.0	27.57	3.30	28.93	3.36	30.30	3.42	30.98	3.45	33.02	3.53	34.39	3.59
	89.6	27.02	3.38	28.38	3.44	29.75	3.50	30.43	3.53	32.47	3.61	33.84	3.67
	95.0	26.19	3.51	27.55	3.57	28.92	3.62	29.60	3.65	31.65	3.74	33.01	3.80
	104.0	23.16	2.56	24.12	2.56	25.07	2.56	25.53	2.56	26.90	2.56	27.79	2.56
	109.4	18.59	1.77	19.26	1.77	19.91	1.77	20.23	1.77	21.17	1.77	21.78	1.77
114.8	11.79	0.98	12.15	0.98	12.51	0.98	12.69	0.98	13.21	0.98	13.55	0.98	
CTXS07L + CTXS07L + CTXS07L + CTXS07L	68.0	29.71	1.98	31.05	2.01	32.38	2.05	33.05	2.07	35.06	2.13	36.39	2.17
	77.0	28.36	2.09	29.70	2.13	31.03	2.17	31.70	2.19	33.70	2.25	35.04	2.29
	86.0	27.01	2.22	28.35	2.26	29.68	2.30	30.35	2.32	32.35	2.38	33.69	2.42
	89.6	26.47	2.28	27.81	2.32	29.14	2.36	29.81	2.38	31.81	2.44	33.15	2.48
	95.0	25.66	2.36	27.00	2.40	28.33	2.44	29.00	2.46	31.00	2.52	32.34	2.56
	104.0	24.31	2.52	25.65	2.55	26.81	2.56	27.36	2.56	28.99	2.56	30.05	2.56
	109.4	18.99	1.77	19.79	1.77	20.57	1.77	20.96	1.77	22.08	1.77	22.81	1.77
114.8	11.72	0.98	12.16	0.98	12.59	0.98	12.80	0.98	13.42	0.98	13.82	0.98	
CTXS07L + CTXS07L + CTXS07L + CTXS09H	68.0	30.22	2.08	31.58	2.12	32.94	2.16	33.62	2.18	35.66	2.25	37.02	2.29
	77.0	28.85	2.20	30.21	2.25	31.57	2.29	32.25	2.31	34.29	2.37	35.65	2.41
	86.0	27.48	2.34	28.83	2.38	30.19	2.42	30.87	2.45	32.91	2.51	34.27	2.55
	89.6	26.93	2.40	28.29	2.44	29.64	2.48	30.32	2.50	32.36	2.56	33.72	2.61
	95.0	26.10	2.49	27.46	2.53	28.82	2.57	29.50	2.59	31.54	2.65	32.90	2.70
	104.0	24.37	2.56	25.51	2.56	26.62	2.56	27.17	2.56	28.77	2.56	29.81	2.56
	109.4	18.95	1.77	19.74	1.77	20.50	1.77	20.88	1.77	21.98	1.77	22.70	1.77
114.8	11.73	0.98	12.16	0.98	12.58	0.98	12.79	0.98	13.40	0.98	13.79	0.98	
CTXS07L + CTXS07L + CTXS07L + FDXS09L	68.0	29.71	2.10	31.05	2.14	32.38	2.18	33.05	2.20	35.06	2.26	36.39	2.30
	77.0	28.36	2.22	29.70	2.26	31.03	2.31	31.70	2.33	33.70	2.39	35.04	2.43
	86.0	27.01	2.36	28.35	2.40	29.68	2.44	30.35	2.46	32.35	2.53	33.69	2.57
	89.6	26.47	2.42	27.81	2.46	29.14	2.50	29.81	2.52	31.81	2.58	33.15	2.63
	95.0	25.66	2.51	27.00	2.55	28.33	2.59	29.00	2.61	31.00	2.68	32.34	2.72
	104.0	23.89	2.56	25.01	2.56	26.10	2.56	26.64	2.56	28.22	2.56	29.23	2.56
	109.4	18.65	1.77	19.42	1.77	20.18	1.77	20.54	1.77	21.63	1.77	22.33	1.77
114.8	11.58	0.98	12.00	0.98	12.42	0.98	12.62	0.98	13.22	0.98	13.61	0.98	
CTXS07L + CTXS07L + CTXS07L + CTXS12H	68.0	31.35	2.38	32.76	2.43	34.17	2.48	34.87	2.50	36.99	2.58	38.40	2.62
	77.0	29.93	2.53	31.33	2.58	32.74	2.62	33.45	2.65	35.56	2.72	36.97	2.77
	86.0	28.50	2.68	29.91	2.73	31.32	2.78	32.02	2.80	34.14	2.88	35.55	2.92
	89.6	27.93	2.75	29.34	2.80	30.75	2.85	31.45	2.87	33.57	2.94	34.98	2.99
	95.0	27.08	2.85	28.49	2.90	29.90	2.95	30.60	2.97	32.71	3.04	34.12	3.09
	104.0	24.12	2.56	25.21	2.56	26.27	2.56	26.79	2.56	28.32	2.56	29.31	2.56
	109.4	18.94	1.77	19.69	1.77	20.42	1.77	20.78	1.77	21.83	1.77	22.51	1.77
114.8	11.81	0.98	12.22	0.98	12.63	0.98	12.82	0.98	13.40	0.98	13.78	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS07L + FDXS12L	68.0	30.84	2.40	32.22	2.45	33.61	2.50	34.30	2.52	36.38	2.59	37.77	2.64
	77.0	29.44	2.55	30.82	2.59	32.21	2.64	32.90	2.67	34.98	2.74	36.37	2.78
	86.0	28.03	2.70	29.42	2.75	30.81	2.80	31.50	2.82	33.58	2.89	34.97	2.94
	89.6	27.47	2.77	28.86	2.82	30.25	2.87	30.94	2.89	33.02	2.96	34.41	3.01
	95.0	26.63	2.87	28.02	2.92	29.41	2.97	30.10	2.99	32.18	3.06	33.57	3.11
	104.0	23.73	2.56	24.80	2.56	25.84	2.56	26.36	2.56	27.86	2.56	28.84	2.56
	109.4	18.70	1.77	19.44	1.77	20.15	1.77	20.51	1.77	21.54	1.77	22.22	1.77
	114.8	11.69	0.98	12.10	0.98	12.49	0.98	12.69	0.98	13.26	0.98	13.63	0.98
CTXS07L + CTXS07L + CTXS07L + FTXS15L	68.0	31.76	2.39	33.19	2.44	34.62	2.49	35.33	2.51	37.47	2.58	38.90	2.63
	77.0	30.32	2.54	31.74	2.58	33.17	2.63	33.89	2.66	36.03	2.73	37.46	2.78
	86.0	28.87	2.69	30.30	2.74	31.73	2.79	32.44	2.81	34.59	2.88	36.01	2.93
	89.6	28.30	2.76	29.72	2.81	31.15	2.86	31.87	2.88	34.01	2.95	35.44	3.00
	95.0	27.43	2.86	28.86	2.91	30.29	2.96	31.00	2.98	33.14	3.05	34.57	3.10
	104.0	24.38	2.56	25.48	2.56	26.55	2.56	27.07	2.56	28.61	2.56	29.61	2.56
	109.4	19.12	1.77	19.87	1.77	20.61	1.77	20.97	1.77	22.03	1.77	22.72	1.77
	114.8	11.91	0.98	12.32	0.98	12.72	0.98	12.92	0.98	13.51	0.98	13.89	0.98
CTXS07L + CTXS07L + CTXS07L + CDXS15L	68.0	30.33	2.18	31.69	2.23	33.05	2.27	33.73	2.29	35.78	2.36	37.14	2.40
	77.0	28.95	2.32	30.31	2.36	31.67	2.40	32.36	2.42	34.40	2.49	35.77	2.53
	86.0	27.57	2.46	28.93	2.50	30.30	2.55	30.98	2.57	33.02	2.63	34.39	2.68
	89.6	27.02	2.52	28.38	2.56	29.75	2.61	30.43	2.63	32.47	2.69	33.84	2.74
	95.0	26.19	2.61	27.55	2.66	28.92	2.70	29.60	2.72	31.65	2.79	33.01	2.83
	104.0	24.00	2.56	25.11	2.56	26.20	2.56	26.73	2.56	28.29	2.56	29.30	2.56
	109.4	18.77	1.77	19.53	1.77	20.28	1.77	20.64	1.77	21.72	1.77	22.42	1.77
	114.8	11.66	0.98	12.08	0.98	12.50	0.98	12.70	0.98	13.29	0.98	13.68	0.98
CTXS07L + CTXS07L + CTXS07L + FTXS18L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS07L + CTXS07L + CTXS07L + CDXS18L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98
CTXS07L + CTXS07L + CTXS09H + CTXS09H	68.0	30.74	2.18	32.12	2.22	33.50	2.26	34.19	2.28	36.26	2.35	37.65	2.39
	77.0	29.34	2.31	30.72	2.35	32.10	2.39	32.79	2.42	34.87	2.48	36.25	2.52
	86.0	27.94	2.45	29.32	2.49	30.71	2.54	31.40	2.56	33.47	2.62	34.85	2.67
	89.6	27.38	2.51	28.76	2.55	30.15	2.60	30.84	2.62	32.91	2.68	34.29	2.73
	95.0	26.54	2.60	27.93	2.65	29.31	2.69	30.00	2.71	32.07	2.78	33.46	2.82
	104.0	24.34	2.56	25.47	2.56	26.56	2.56	27.10	2.56	28.69	2.56	29.71	2.56
	109.4	18.98	1.77	19.76	1.77	20.51	1.77	20.88	1.77	21.97	1.77	22.68	1.77
	114.8	11.77	0.98	12.20	0.98	12.61	0.98	12.82	0.98	13.42	0.98	13.81	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS09H + FDXS09L	68.0	30.33	2.25	31.69	2.29	33.05	2.34	33.73	2.36	35.78	2.43	37.14	2.47
	77.0	28.95	2.38	30.31	2.43	31.67	2.47	32.36	2.50	34.40	2.56	35.77	2.61
	86.0	27.57	2.53	28.93	2.58	30.30	2.62	30.98	2.64	33.02	2.71	34.39	2.76
	89.6	27.02	2.59	28.38	2.64	29.75	2.68	30.43	2.71	32.47	2.77	33.84	2.82
	95.0	26.19	2.69	27.55	2.74	28.92	2.78	29.60	2.80	31.65	2.87	33.01	2.91
	104.0	23.77	2.56	24.87	2.56	25.93	2.56	26.46	2.56	28.00	2.56	28.99	2.56
	109.4	18.65	1.77	19.40	1.77	20.14	1.77	20.50	1.77	21.56	1.77	22.24	1.77
	114.8	11.62	0.98	12.04	0.98	12.44	0.98	12.64	0.98	13.22	0.98	13.60	0.98
CTXS07L + CTXS07L + FDXS09L + FDXS09L	68.0	30.02	2.37	31.37	2.42	32.72	2.46	33.39	2.49	35.42	2.56	36.77	2.60
	77.0	28.65	2.51	30.00	2.56	31.35	2.61	32.03	2.63	34.05	2.70	35.40	2.75
	86.0	27.29	2.67	28.64	2.71	29.99	2.76	30.66	2.78	32.69	2.86	34.04	2.90
	89.6	26.74	2.73	28.09	2.78	29.44	2.83	30.12	2.85	32.14	2.92	33.49	2.97
	95.0	25.93	2.84	27.28	2.88	28.63	2.93	29.30	2.95	31.32	3.02	32.67	3.07
	104.0	23.24	2.56	24.29	2.56	25.32	2.56	25.82	2.56	27.31	2.56	28.27	2.56
	109.4	18.37	1.77	19.09	1.77	19.80	1.77	20.15	1.77	21.17	1.77	21.83	1.77
	114.8	11.51	0.98	11.91	0.98	12.30	0.98	12.49	0.98	13.05	0.98	13.42	0.98
CTXS07L + CTXS07L + CTXS09H + CTXS12H	68.0	31.45	2.38	32.87	2.43	34.28	2.48	34.99	2.50	37.11	2.58	38.52	2.62
	77.0	30.02	2.53	31.44	2.58	32.85	2.62	33.56	2.65	35.68	2.72	37.09	2.77
	86.0	28.59	2.68	30.01	2.73	31.42	2.78	32.13	2.80	34.25	2.88	35.67	2.92
	89.6	28.02	2.75	29.44	2.80	30.85	2.85	31.56	2.87	33.68	2.94	35.09	2.99
	95.0	27.16	2.85	28.58	2.90	29.99	2.95	30.70	2.97	32.82	3.04	34.24	3.09
	104.0	24.19	2.56	25.28	2.56	26.34	2.56	26.87	2.56	28.40	2.56	29.39	2.56
	109.4	18.99	1.77	19.74	1.77	20.47	1.77	20.83	1.77	21.88	1.77	22.57	1.77
	114.8	11.84	0.98	12.25	0.98	12.65	0.98	12.85	0.98	13.43	0.98	13.81	0.98
CTXS07L + CTXS07L + CTXS09H + FDXS12L	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS07L + CTXS07L + FDXS09L + CTXS12H	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS07L + CTXS07L + FDXS09L + FDXS12L	68.0	30.63	2.52	32.01	2.57	33.39	2.62	34.08	2.65	36.14	2.72	37.52	2.77
	77.0	29.24	2.67	30.62	2.72	32.00	2.77	32.68	2.80	34.75	2.87	36.13	2.92
	86.0	27.85	2.84	29.23	2.89	30.60	2.94	31.29	2.96	33.36	3.04	34.74	3.09
	89.6	27.29	2.91	28.67	2.96	30.05	3.01	30.74	3.03	32.80	3.11	34.18	3.16
	95.0	26.46	3.02	27.83	3.07	29.21	3.12	29.90	3.14	31.97	3.22	33.34	3.27
	104.0	23.39	2.56	24.43	2.56	25.44	2.56	25.94	2.56	27.40	2.56	28.35	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.30	1.77	21.96	1.77
	114.8	11.64	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FTXS09L + FTXS15L	68.0	31.76	2.39	33.19	2.44	34.62	2.49	35.33	2.51	37.47	2.58	38.90	2.63
	77.0	30.32	2.54	31.74	2.58	33.17	2.63	33.89	2.66	36.03	2.73	37.46	2.78
	86.0	28.87	2.69	30.30	2.74	31.73	2.79	32.44	2.81	34.59	2.88	36.01	2.93
	89.6	28.30	2.76	29.72	2.81	31.15	2.86	31.87	2.88	34.01	2.95	35.44	3.00
	95.0	27.43	2.86	28.86	2.91	30.29	2.96	31.00	2.98	33.14	3.05	34.57	3.10
	104.0	24.38	2.56	25.48	2.56	26.55	2.56	27.07	2.56	28.61	2.56	29.61	2.56
	109.4	19.12	1.77	19.87	1.77	20.61	1.77	20.97	1.77	22.03	1.77	22.72	1.77
	114.8	11.91	0.98	12.32	0.98	12.72	0.98	12.92	0.98	13.51	0.98	13.89	0.98
CTXS07L + CTXS07L + CTXS09H + CDXS15L	68.0	30.43	2.18	31.80	2.23	33.16	2.27	33.85	2.29	35.90	2.36	37.27	2.40
	77.0	29.05	2.32	30.41	2.36	31.78	2.40	32.47	2.42	34.52	2.49	35.89	2.53
	86.0	27.66	2.46	29.03	2.50	30.40	2.55	31.08	2.57	33.14	2.63	34.50	2.68
	89.6	27.11	2.52	28.48	2.56	29.85	2.61	30.53	2.63	32.58	2.69	33.95	2.74
	95.0	26.28	2.61	27.65	2.66	29.02	2.70	29.70	2.72	31.75	2.79	33.12	2.83
	104.0	24.08	2.56	25.19	2.56	26.28	2.56	26.81	2.56	28.38	2.56	29.39	2.56
	109.4	18.82	1.77	19.58	1.77	20.33	1.77	20.70	1.77	21.78	1.77	22.48	1.77
	114.8	11.69	0.98	12.11	0.98	12.52	0.98	12.73	0.98	13.32	0.98	13.71	0.98
CTXS07L + CTXS07L + FDXS09L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS09L + CDXS15L	68.0	30.02	2.26	31.37	2.30	32.72	2.35	33.39	2.37	35.42	2.44	36.77	2.48
	77.0	28.65	2.39	30.00	2.44	31.35	2.48	32.03	2.50	34.05	2.57	35.40	2.62
	86.0	27.29	2.54	28.64	2.59	29.99	2.63	30.66	2.65	32.69	2.72	34.04	2.77
	89.6	26.74	2.60	28.09	2.65	29.44	2.69	30.12	2.72	32.14	2.78	33.49	2.83
	95.0	25.93	2.70	27.28	2.75	28.63	2.79	29.30	2.81	31.32	2.88	32.67	2.93
	104.0	23.52	2.56	24.61	2.56	25.66	2.56	26.18	2.56	27.70	2.56	28.69	2.56
	109.4	18.50	1.77	19.24	1.77	19.97	1.77	20.32	1.77	21.37	1.77	22.05	1.77
	114.8	11.54	0.98	11.95	0.98	12.35	0.98	12.55	0.98	13.13	0.98	13.51	0.98
CTXS07L + CTXS07L + CTXS09H + FTXS18L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS07L + CTXS07L + CTXS09H + CDXS18L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + FDXS09L + FTXS18L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS09L + CDXS18L	68.0	30.12	2.26	31.48	2.30	32.83	2.35	33.51	2.37	35.54	2.44	36.89	2.48
	77.0	28.75	2.39	30.11	2.44	31.46	2.48	32.14	2.50	34.17	2.57	35.52	2.62
	86.0	27.38	2.54	28.74	2.59	30.09	2.63	30.77	2.65	32.80	2.72	34.16	2.77
	89.6	26.84	2.60	28.19	2.65	29.54	2.69	30.22	2.72	32.25	2.78	33.61	2.83
	95.0	26.01	2.70	27.37	2.75	28.72	2.79	29.40	2.81	31.43	2.88	32.79	2.93
	104.0	23.60	2.56	24.68	2.56	25.74	2.56	26.26	2.56	27.79	2.56	28.78	2.56
	109.4	18.54	1.77	19.29	1.77	20.02	1.77	20.38	1.77	21.43	1.77	22.11	1.77
	114.8	11.57	0.98	11.98	0.98	12.38	0.98	12.58	0.98	13.16	0.98	13.54	0.98
CTXS07L + CTXS07L + CTXS12H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98
CTXS07L + CTXS07L + CTXS12H + FDXS12L	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98
CTXS07L + CTXS07L + FDXS12L + FDXS12L	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS07L + CTXS07L + CTXS12H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS07L + CTXS12H + CDXS15L	68.0	30.53	2.23	31.90	2.28	33.28	2.32	33.96	2.34	36.02	2.41	37.40	2.45
	77.0	29.14	2.37	30.52	2.41	31.89	2.46	32.58	2.48	34.63	2.54	36.01	2.59
	86.0	27.76	2.51	29.13	2.56	30.50	2.60	31.19	2.62	33.25	2.69	34.62	2.74
	89.6	27.20	2.58	28.57	2.62	29.95	2.66	30.63	2.69	32.69	2.75	34.06	2.80
	95.0	26.37	2.67	27.74	2.72	29.11	2.76	29.80	2.78	31.86	2.85	33.23	2.89
	104.0	23.98	2.56	25.08	2.56	26.16	2.56	26.69	2.56	28.24	2.56	29.24	2.56
	109.4	18.78	1.77	19.54	1.77	20.28	1.77	20.64	1.77	21.71	1.77	22.40	1.77
	114.8	11.68	0.98	12.10	0.98	12.51	0.98	12.71	0.98	13.30	0.98	13.68	0.98
CTXS07L + CTXS07L + FDXS12L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS07L + CTXS07L + FDXS12L + CDXS15L	68.0	30.12	2.26	31.48	2.30	32.83	2.35	33.51	2.37	35.54	2.44	36.89	2.48
	77.0	28.75	2.39	30.11	2.44	31.46	2.48	32.14	2.50	34.17	2.57	35.52	2.62
	86.0	27.38	2.54	28.74	2.59	30.09	2.63	30.77	2.65	32.80	2.72	34.16	2.77
	89.6	26.84	2.60	28.19	2.65	29.54	2.69	30.22	2.72	32.25	2.78	33.61	2.83
	95.0	26.01	2.70	27.37	2.75	28.72	2.79	29.40	2.81	31.43	2.88	32.79	2.93
	104.0	23.60	2.56	24.68	2.56	25.74	2.56	26.26	2.56	27.79	2.56	28.78	2.56
	109.4	18.54	1.77	19.29	1.77	20.02	1.77	20.38	1.77	21.43	1.77	22.11	1.77
	114.8	11.57	0.98	11.98	0.98	12.38	0.98	12.58	0.98	13.16	0.98	13.54	0.98
CTXS07L + CTXS07L + CTXS12H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98
CTXS07L + CTXS07L + CTXS12H + CDXS18L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS07L + FDXS12L + FTXS18L	68.0	31.76	2.63	33.19	2.69	34.62	2.74	35.33	2.77	37.47	2.84	38.90	2.90
	77.0	30.32	2.79	31.74	2.84	33.17	2.90	33.89	2.92	36.03	3.00	37.46	3.05
	86.0	28.87	2.97	30.30	3.02	31.73	3.07	32.44	3.10	34.59	3.18	36.01	3.23
	89.6	28.30	3.04	29.72	3.09	31.15	3.14	31.87	3.17	34.01	3.25	35.44	3.30
	95.0	27.43	3.15	28.86	3.20	30.29	3.26	31.00	3.28	33.14	3.36	34.57	3.41
	104.0	23.99	2.56	25.03	2.56	26.05	2.56	26.56	2.56	28.03	2.56	28.98	2.56
	109.4	18.98	1.77	19.70	1.77	20.40	1.77	20.75	1.77	21.76	1.77	22.42	1.77
	114.8	11.91	0.98	12.30	0.98	12.69	0.98	12.88	0.98	13.44	0.98	13.80	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS12L + CDXS18L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
CTXS07L + CTXS09H + CTXS09H + CTXS09H	68.0	31.35	2.38	32.76	2.43	34.17	2.48	34.87	2.50	36.99	2.58	38.40	2.62
	77.0	29.93	2.53	31.33	2.58	32.74	2.62	33.45	2.65	35.56	2.72	36.97	2.77
	86.0	28.50	2.68	29.91	2.73	31.32	2.78	32.02	2.80	34.14	2.88	35.55	2.92
	89.6	27.93	2.75	29.34	2.80	30.75	2.85	31.45	2.87	33.57	2.94	34.98	2.99
	95.0	27.08	2.85	28.49	2.90	29.90	2.95	30.60	2.97	32.71	3.04	34.12	3.09
	104.0	24.12	2.56	25.21	2.56	26.27	2.56	26.79	2.56	28.32	2.56	29.31	2.56
	109.4	18.94	1.77	19.69	1.77	20.42	1.77	20.78	1.77	21.83	1.77	22.51	1.77
CTXS07L + CTXS09H + CTXS09H + FDXS09L	68.0	30.84	2.40	32.22	2.45	33.61	2.50	34.30	2.52	36.38	2.59	37.77	2.64
	77.0	29.44	2.55	30.82	2.59	32.21	2.64	32.90	2.67	34.98	2.74	36.37	2.78
	86.0	28.03	2.70	29.42	2.75	30.81	2.80	31.50	2.82	33.58	2.89	34.97	2.94
	89.6	27.47	2.77	28.86	2.82	30.25	2.87	30.94	2.89	33.02	2.96	34.41	3.01
	95.0	26.63	2.87	28.02	2.92	29.41	2.97	30.10	2.99	32.18	3.06	33.57	3.11
	104.0	23.73	2.56	24.80	2.56	25.84	2.56	26.36	2.56	27.86	2.56	28.84	2.56
	109.4	18.70	1.77	19.44	1.77	20.15	1.77	20.51	1.77	21.54	1.77	22.22	1.77
CTXS07L + CTXS09H + FDXS09L + FDXS09L	68.0	30.53	2.52	31.90	2.57	33.28	2.62	33.96	2.65	36.02	2.72	37.40	2.77
	77.0	29.14	2.67	30.52	2.72	31.89	2.77	32.58	2.80	34.63	2.87	36.01	2.92
	86.0	27.76	2.84	29.13	2.89	30.50	2.94	31.19	2.96	33.25	3.04	34.62	3.09
	89.6	27.20	2.91	28.57	2.96	29.95	3.01	30.63	3.03	32.69	3.11	34.06	3.16
	95.0	26.37	3.02	27.74	3.07	29.11	3.12	29.80	3.14	31.86	3.22	33.23	3.27
	104.0	23.33	2.56	24.36	2.56	25.37	2.56	25.87	2.56	27.33	2.56	28.27	2.56
	109.4	18.50	1.77	19.21	1.77	19.90	1.77	20.25	1.77	21.25	1.77	21.90	1.77
CTXS07L + FDXS09L + FDXS09L + FDXS09L	68.0	30.33	2.65	31.69	2.70	33.05	2.76	33.73	2.78	35.78	2.86	37.14	2.91
	77.0	28.95	2.81	30.31	2.86	31.67	2.92	32.36	2.94	34.40	3.02	35.77	3.07
	86.0	27.57	2.98	28.93	3.04	30.30	3.09	30.98	3.12	33.02	3.19	34.39	3.25
	89.6	27.02	3.06	28.38	3.11	29.75	3.16	30.43	3.19	32.47	3.27	33.84	3.32
	95.0	26.19	3.17	27.55	3.22	28.92	3.28	29.60	3.30	31.65	3.38	33.01	3.44
	104.0	23.09	2.56	24.09	2.56	25.08	2.56	25.56	2.56	26.98	2.56	27.90	2.56
	109.4	18.41	1.77	19.10	1.77	19.78	1.77	20.11	1.77	21.09	1.77	21.72	1.77
CTXS07L + CTXS09H + CTXS09H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + FDXS12L	68.0	31.15	2.51	32.55	2.56	33.95	2.61	34.65	2.63	36.75	2.71	38.15	2.76
	77.0	29.73	2.66	31.13	2.71	32.53	2.76	33.23	2.78	35.33	2.86	36.73	2.91
	86.0	28.31	2.82	29.71	2.87	31.12	2.92	31.82	2.95	33.92	3.02	35.32	3.07
	89.6	27.75	2.89	29.15	2.94	30.55	2.99	31.25	3.01	33.35	3.09	34.75	3.14
	95.0	26.90	3.00	28.30	3.05	29.70	3.10	30.40	3.12	32.50	3.20	33.90	3.25
	104.0	23.75	2.56	24.80	2.56	25.83	2.56	26.34	2.56	27.82	2.56	28.78	2.56
	109.4	18.76	1.77	19.49	1.77	20.20	1.77	20.54	1.77	21.57	1.77	22.23	1.77
	114.8	11.75	0.98	12.15	0.98	12.54	0.98	12.74	0.98	13.30	0.98	13.67	0.98
CTXS07L + CTXS09H + FDXS09L + CTXS12H	68.0	31.15	2.51	32.55	2.56	33.95	2.61	34.65	2.63	36.75	2.71	38.15	2.76
	77.0	29.73	2.66	31.13	2.71	32.53	2.76	33.23	2.78	35.33	2.86	36.73	2.91
	86.0	28.31	2.82	29.71	2.87	31.12	2.92	31.82	2.95	33.92	3.02	35.32	3.07
	89.6	27.75	2.89	29.15	2.94	30.55	2.99	31.25	3.01	33.35	3.09	34.75	3.14
	95.0	26.90	3.00	28.30	3.05	29.70	3.10	30.40	3.12	32.50	3.20	33.90	3.25
	104.0	23.75	2.56	24.80	2.56	25.83	2.56	26.34	2.56	27.82	2.56	28.78	2.56
	109.4	18.76	1.77	19.49	1.77	20.20	1.77	20.54	1.77	21.57	1.77	22.23	1.77
	114.8	11.75	0.98	12.15	0.98	12.54	0.98	12.74	0.98	13.30	0.98	13.67	0.98
CTXS07L + CTXS09H + FDXS09L + FDXS12L	68.0	30.74	2.58	32.12	2.63	33.50	2.68	34.19	2.71	36.26	2.78	37.65	2.83
	77.0	29.34	2.73	30.72	2.78	32.10	2.84	32.79	2.86	34.87	2.94	36.25	2.99
	86.0	27.94	2.90	29.32	2.95	30.71	3.00	31.40	3.03	33.47	3.11	34.85	3.16
	89.6	27.38	2.97	28.76	3.02	30.15	3.08	30.84	3.10	32.91	3.18	34.29	3.23
	95.0	26.54	3.08	27.93	3.14	29.31	3.19	30.00	3.21	32.07	3.29	33.46	3.34
	104.0	23.40	2.56	24.42	2.56	25.43	2.56	25.92	2.56	27.37	2.56	28.32	2.56
	109.4	18.57	1.77	19.28	1.77	19.97	1.77	20.31	1.77	21.31	1.77	21.96	1.77
	114.8	11.68	0.98	12.07	0.98	12.45	0.98	12.63	0.98	13.19	0.98	13.55	0.98
CTXS07L + FDXS09L + FDXS09L + CTXS12H	68.0	30.74	2.58	32.12	2.63	33.50	2.68	34.19	2.71	36.26	2.78	37.65	2.83
	77.0	29.34	2.73	30.72	2.78	32.10	2.84	32.79	2.86	34.87	2.94	36.25	2.99
	86.0	27.94	2.90	29.32	2.95	30.71	3.00	31.40	3.03	33.47	3.11	34.85	3.16
	89.6	27.38	2.97	28.76	3.02	30.15	3.08	30.84	3.10	32.91	3.18	34.29	3.23
	95.0	26.54	3.08	27.93	3.14	29.31	3.19	30.00	3.21	32.07	3.29	33.46	3.34
	104.0	23.40	2.56	24.42	2.56	25.43	2.56	25.92	2.56	27.37	2.56	28.32	2.56
	109.4	18.57	1.77	19.28	1.77	19.97	1.77	20.31	1.77	21.31	1.77	21.96	1.77
	114.8	11.68	0.98	12.07	0.98	12.45	0.98	12.63	0.98	13.19	0.98	13.55	0.98
CTXS07L + FDXS09L + FDXS09L + FDXS12L	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
CTXS07L + CTXS09H + CTXS09H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + CDXS15L	68.0	30.53	2.18	31.90	2.23	33.28	2.27	33.96	2.29	36.02	2.36	37.40	2.40
	77.0	29.14	2.32	30.52	2.36	31.89	2.40	32.58	2.42	34.63	2.49	36.01	2.53
	86.0	27.76	2.46	29.13	2.50	30.50	2.55	31.19	2.57	33.25	2.63	34.62	2.68
	89.6	27.20	2.52	28.57	2.56	29.95	2.61	30.63	2.63	32.69	2.69	34.06	2.74
	95.0	26.37	2.61	27.74	2.66	29.11	2.70	29.80	2.72	31.86	2.79	33.23	2.83
	104.0	24.15	2.56	25.27	2.56	26.36	2.56	26.90	2.56	28.47	2.56	29.48	2.56
	109.4	18.87	1.77	19.63	1.77	20.38	1.77	20.75	1.77	21.83	1.77	22.54	1.77
	114.8	11.71	0.98	12.14	0.98	12.55	0.98	12.75	0.98	13.35	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS09L + FTXS15L	68.0	31.55	2.47	32.97	2.52	34.39	2.57	35.10	2.60	37.23	2.67	38.65	2.72
	77.0	30.12	2.62	31.54	2.67	32.96	2.72	33.67	2.75	35.80	2.82	37.22	2.87
	86.0	28.69	2.78	30.11	2.83	31.52	2.88	32.23	2.91	34.36	2.98	35.78	3.03
	89.6	28.11	2.85	29.53	2.90	30.95	2.95	31.66	2.98	33.79	3.05	35.21	3.10
	95.0	27.25	2.96	28.67	3.01	30.09	3.06	30.80	3.08	32.93	3.16	34.35	3.21
	104.0	24.07	2.56	25.14	2.56	26.19	2.56	26.70	2.56	28.21	2.56	29.19	2.56
	109.4	18.96	1.77	19.69	1.77	20.41	1.77	20.77	1.77	21.81	1.77	22.48	1.77
	114.8	11.85	0.98	12.25	0.98	12.65	0.98	12.84	0.98	13.42	0.98	13.79	0.98
CTXS07L + CTXS09H + FDXS09L + CDXS15L	68.0	30.22	2.26	31.58	2.30	32.94	2.35	33.62	2.37	35.66	2.44	37.02	2.48
	77.0	28.85	2.39	30.21	2.44	31.57	2.48	32.25	2.50	34.29	2.57	35.65	2.62
	86.0	27.48	2.54	28.83	2.59	30.19	2.63	30.87	2.65	32.91	2.72	34.27	2.77
	89.6	26.93	2.60	28.29	2.65	29.64	2.69	30.32	2.72	32.36	2.78	33.72	2.83
	95.0	26.10	2.70	27.46	2.75	28.82	2.79	29.50	2.81	31.54	2.88	32.90	2.93
	104.0	23.67	2.56	24.76	2.56	25.82	2.56	26.35	2.56	27.88	2.56	28.87	2.56
	109.4	18.59	1.77	19.34	1.77	20.07	1.77	20.43	1.77	21.48	1.77	22.17	1.77
	114.8	11.59	0.98	12.01	0.98	12.41	0.98	12.61	0.98	13.19	0.98	13.57	0.98
CTXS07L + FDXS09L + FDXS09L + FTXS15L	68.0	31.15	2.55	32.55	2.60	33.95	2.65	34.65	2.67	36.75	2.75	38.15	2.80
	77.0	29.73	2.70	31.13	2.75	32.53	2.80	33.23	2.83	35.33	2.90	36.73	2.95
	86.0	28.31	2.87	29.71	2.92	31.12	2.97	31.82	2.99	33.92	3.07	35.32	3.12
	89.6	27.75	2.94	29.15	2.99	30.55	3.04	31.25	3.06	33.35	3.14	34.75	3.19
	95.0	26.90	3.05	28.30	3.10	29.70	3.15	30.40	3.17	32.50	3.25	33.90	3.30
	104.0	23.69	2.56	24.74	2.56	25.76	2.56	26.26	2.56	27.74	2.56	28.69	2.56
	109.4	18.75	1.77	19.47	1.77	20.17	1.77	20.51	1.77	21.53	1.77	22.19	1.77
	114.8	11.76	0.98	12.15	0.98	12.54	0.98	12.73	0.98	13.29	0.98	13.66	0.98
CTXS07L + FDXS09L + FDXS09L + CDXS15L	68.0	29.61	2.28	30.94	2.33	32.27	2.37	32.94	2.39	34.93	2.46	36.27	2.51
	77.0	28.26	2.42	29.59	2.46	30.93	2.51	31.59	2.53	33.59	2.60	34.92	2.65
	86.0	26.92	2.57	28.25	2.61	29.58	2.66	30.25	2.68	32.24	2.75	33.57	2.79
	89.6	26.38	2.63	27.71	2.68	29.04	2.72	29.71	2.74	31.70	2.81	33.04	2.86
	95.0	25.57	2.73	26.90	2.77	28.23	2.82	28.90	2.84	30.90	2.91	32.23	2.96
	104.0	23.16	2.56	24.22	2.56	25.26	2.56	25.77	2.56	27.27	2.56	28.24	2.56
	109.4	18.27	1.77	19.00	1.77	19.72	1.77	20.07	1.77	21.10	1.77	21.77	1.77
	114.8	11.44	0.98	11.84	0.98	12.23	0.98	12.43	0.98	13.00	0.98	13.37	0.98
CTXS07L + CTXS09H + CTXS09H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS09H + CDXS18L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS09L + FTXS18L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + CTXS09H + FDXS09L + CDXS18L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + FDXS09L + FTXS18L	68.0	31.35	2.55	32.76	2.60	34.17	2.65	34.87	2.67	36.99	2.75	38.40	2.80
	77.0	29.93	2.70	31.33	2.75	32.74	2.80	33.45	2.83	35.56	2.90	36.97	2.95
	86.0	28.50	2.87	29.91	2.92	31.32	2.97	32.02	2.99	34.14	3.07	35.55	3.12
	89.6	27.93	2.94	29.34	2.99	30.75	3.04	31.45	3.06	33.57	3.14	34.98	3.19
	95.0	27.08	3.05	28.49	3.10	29.90	3.15	30.60	3.17	32.71	3.25	34.12	3.30
	104.0	23.83	2.56	24.88	2.56	25.90	2.56	26.41	2.56	27.89	2.56	28.85	2.56
	109.4	18.83	1.77	19.56	1.77	20.26	1.77	20.61	1.77	21.63	1.77	22.29	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS07L + FDXS09L + FDXS09L + CDXS18L	68.0	29.92	2.38	31.26	2.42	32.61	2.47	33.28	2.50	35.30	2.57	36.64	2.61
	77.0	28.56	2.52	29.90	2.57	31.25	2.61	31.92	2.64	33.94	2.71	35.28	2.76
	86.0	27.20	2.68	28.54	2.72	29.89	2.77	30.56	2.79	32.58	2.87	33.92	2.91
	89.6	26.65	2.74	28.00	2.79	29.34	2.84	30.02	2.86	32.03	2.93	33.38	2.98
	95.0	25.84	2.84	27.18	2.89	28.53	2.94	29.20	2.96	31.22	3.03	32.56	3.08
	104.0	23.15	2.56	24.20	2.56	25.22	2.56	25.73	2.56	27.20	2.56	28.16	2.56
	109.4	18.31	1.77	19.03	1.77	19.74	1.77	20.09	1.77	21.10	1.77	21.76	1.77
	114.8	11.48	0.98	11.88	0.98	12.27	0.98	12.46	0.98	13.02	0.98	13.39	0.98
CTXS07L + CTXS09H + CTXS12H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS12H + FDXS12L	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + CTXS09H + FDXS12L + FDXS12L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + FDXS09L + CTXS12H + CTXS12H	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS07L + FDXS09L + CTXS12H + FDXS12L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
CTXS07L + FDXS09L + FDXS12L + FDXS12L	68.0	30.53	2.75	31.90	2.81	33.28	2.86	33.96	2.89	36.02	2.97	37.40	3.03
	77.0	29.14	2.92	30.52	2.97	31.89	3.03	32.58	3.06	34.63	3.14	36.01	3.19
	86.0	27.76	3.10	29.13	3.16	30.50	3.21	31.19	3.24	33.25	3.32	34.62	3.38
	89.6	27.20	3.18	28.57	3.23	29.95	3.29	30.63	3.31	32.69	3.40	34.06	3.45
	95.0	26.37	3.30	27.74	3.35	29.11	3.41	29.80	3.43	31.86	3.52	33.23	3.57
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.64	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.21	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
	114.8	11.70	0.98	12.08	0.98	12.45	0.98	12.63	0.98	13.17	0.98	13.51	0.98
CTXS07L + CTXS09H + CTXS12H + FTXS15L	68.0	32.17	2.55	33.62	2.60	35.06	2.66	35.79	2.68	37.96	2.76	39.40	2.81
	77.0	30.71	2.71	32.15	2.76	33.60	2.81	34.32	2.83	36.49	2.91	37.94	2.96
	86.0	29.25	2.87	30.69	2.93	32.14	2.98	32.86	3.00	35.03	3.08	36.48	3.13
	89.6	28.66	2.95	30.11	3.00	31.55	3.05	32.28	3.07	34.45	3.15	35.89	3.20
	95.0	27.78	3.06	29.23	3.11	30.68	3.16	31.40	3.18	33.57	3.26	35.02	3.31
	104.0	24.34	2.56	25.41	2.56	26.46	2.56	26.97	2.56	28.48	2.56	29.45	2.56
	109.4	19.17	1.77	19.91	1.77	20.62	1.77	20.98	1.77	22.02	1.77	22.69	1.77
	114.8	11.98	0.98	12.38	0.98	12.78	0.98	12.97	0.98	13.55	0.98	13.92	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + CTXS12H + CDXS15L	68.0	30.94	2.29	32.33	2.33	33.72	2.38	34.42	2.40	36.51	2.47	37.90	2.52
	77.0	29.53	2.43	30.93	2.47	32.32	2.52	33.01	2.54	35.10	2.61	36.49	2.65
	86.0	28.13	2.58	29.52	2.62	30.91	2.67	31.61	2.69	33.69	2.76	35.08	2.80
	89.6	27.57	2.64	28.96	2.69	30.35	2.73	31.04	2.75	33.13	2.82	34.52	2.87
	95.0	26.72	2.74	28.11	2.78	29.50	2.83	30.20	2.85	32.29	2.92	33.68	2.97
	104.0	24.09	2.56	25.19	2.56	26.27	2.56	26.79	2.56	28.34	2.56	29.34	2.56
	109.4	18.88	1.77	19.64	1.77	20.37	1.77	20.74	1.77	21.80	1.77	22.49	1.77
	114.8	11.75	0.98	12.17	0.98	12.57	0.98	12.77	0.98	13.36	0.98	13.74	0.98
CTXS07L + CTXS09H + FDXS12L + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + CTXS09H + FDXS12L + CDXS15L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + CTXS12H + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS07L + FDXS09L + CTXS12H + CDXS15L	68.0	30.43	2.30	31.80	2.35	33.16	2.40	33.85	2.42	35.90	2.49	37.27	2.53
	77.0	29.05	2.44	30.41	2.49	31.78	2.54	32.47	2.56	34.52	2.63	35.89	2.67
	86.0	27.66	2.59	29.03	2.64	30.40	2.69	31.08	2.71	33.14	2.78	34.50	2.82
	89.6	27.11	2.66	28.48	2.70	29.85	2.75	30.53	2.77	32.58	2.84	33.95	2.89
	95.0	26.28	2.76	27.65	2.80	29.02	2.85	29.70	2.87	31.75	2.94	33.12	2.99
	104.0	23.68	2.56	24.76	2.56	25.82	2.56	26.34	2.56	27.86	2.56	28.84	2.56
	109.4	18.62	1.77	19.36	1.77	20.09	1.77	20.45	1.77	21.49	1.77	22.17	1.77
	114.8	11.62	0.98	12.03	0.98	12.43	0.98	12.63	0.98	13.21	0.98	13.58	0.98
CTXS07L + FDXS09L + FDXS12L + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + FDXS09L + FDXS12L + CDXS15L	68.0	29.92	2.38	31.26	2.42	32.61	2.47	33.28	2.50	35.30	2.57	36.64	2.61
	77.0	28.56	2.52	29.90	2.57	31.25	2.61	31.92	2.64	33.94	2.71	35.28	2.76
	86.0	27.20	2.68	28.54	2.72	29.89	2.77	30.56	2.79	32.58	2.87	33.92	2.91
	89.6	26.65	2.74	28.00	2.79	29.34	2.84	30.02	2.86	32.03	2.93	33.38	2.98
	95.0	25.84	2.84	27.18	2.89	28.53	2.94	29.20	2.96	31.22	3.03	32.56	3.08
	104.0	23.15	2.56	24.20	2.56	25.22	2.56	25.73	2.56	27.20	2.56	28.16	2.56
	109.4	18.31	1.77	19.03	1.77	19.74	1.77	20.09	1.77	21.10	1.77	21.76	1.77
	114.8	11.48	0.98	11.88	0.98	12.27	0.98	12.46	0.98	13.02	0.98	13.39	0.98
CTXS07L + CTXS12H + CTXS12H + CTXS12H	68.0	31.86	2.54	33.30	2.59	34.73	2.64	35.44	2.66	37.59	2.74	39.03	2.79
	77.0	30.41	2.69	31.85	2.74	33.28	2.79	34.00	2.82	36.15	2.89	37.58	2.94
	86.0	28.97	2.86	30.40	2.91	31.83	2.96	32.55	2.98	34.70	3.06	36.13	3.11
	89.6	28.39	2.93	29.82	2.98	31.25	3.03	31.97	3.05	34.12	3.13	35.55	3.18
	95.0	27.52	3.04	28.95	3.09	30.38	3.14	31.10	3.16	33.25	3.24	34.68	3.29
	104.0	24.17	2.56	25.23	2.56	26.27	2.56	26.79	2.56	28.29	2.56	29.26	2.56
	109.4	19.05	1.77	19.78	1.77	20.50	1.77	20.85	1.77	21.88	1.77	22.55	1.77
	114.8	11.91	0.98	12.32	0.98	12.71	0.98	12.90	0.98	13.47	0.98	13.85	0.98
CTXS07L + CTXS12H + CTXS12H + FDXS12L	68.0	31.45	2.62	32.87	2.67	34.28	2.72	34.99	2.75	37.11	2.83	38.52	2.88
	77.0	30.02	2.78	31.44	2.83	32.85	2.88	33.56	2.91	35.68	2.98	37.09	3.04
	86.0	28.59	2.95	30.01	3.00	31.42	3.05	32.13	3.08	34.25	3.16	35.67	3.21
	89.6	28.02	3.02	29.44	3.07	30.85	3.12	31.56	3.15	33.68	3.23	35.09	3.28
	95.0	27.16	3.13	28.58	3.19	29.99	3.24	30.70	3.26	32.82	3.34	34.24	3.39
	104.0	23.81	2.56	24.85	2.56	25.87	2.56	26.37	2.56	27.83	2.56	28.78	2.56
	109.4	18.86	1.77	19.58	1.77	20.27	1.77	20.62	1.77	21.63	1.77	22.28	1.77
	114.8	11.84	0.98	12.23	0.98	12.62	0.98	12.80	0.98	13.36	0.98	13.72	0.98
CTXS07L + CTXS12H + FDXS12L + FDXS12L	68.0	31.04	2.68	32.44	2.74	33.83	2.79	34.53	2.82	36.63	2.90	38.02	2.95
	77.0	29.63	2.84	31.03	2.90	32.42	2.95	33.12	2.98	35.22	3.06	36.61	3.11
	86.0	28.22	3.02	29.62	3.07	31.01	3.13	31.71	3.15	33.80	3.23	35.20	3.29
	89.6	27.66	3.09	29.05	3.15	30.45	3.20	31.15	3.23	33.24	3.31	34.64	3.36
	95.0	26.81	3.21	28.21	3.26	29.60	3.32	30.30	3.34	32.39	3.42	33.79	3.48
	104.0	23.52	2.56	24.53	2.56	25.53	2.56	26.02	2.56	27.45	2.56	28.39	2.56
	109.4	18.70	1.77	19.40	1.77	20.09	1.77	20.42	1.77	21.41	1.77	22.06	1.77
	114.8	11.77	0.98	12.16	0.98	12.54	0.98	12.72	0.98	13.27	0.98	13.62	0.98
CTXS07L + FDXS12L + FDXS12L + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
CTXS09H + CTXS09H + CTXS09H + CTXS09H	68.0	31.45	2.38	32.87	2.43	34.28	2.48	34.99	2.50	37.11	2.58	38.52	2.62
	77.0	30.02	2.53	31.44	2.58	32.85	2.62	33.56	2.65	35.68	2.72	37.09	2.77
	86.0	28.59	2.68	30.01	2.73	31.42	2.78	32.13	2.80	34.25	2.88	35.67	2.92
	89.6	28.02	2.75	29.44	2.80	30.85	2.85	31.56	2.87	33.68	2.94	35.09	2.99
	95.0	27.16	2.85	28.58	2.90	29.99	2.95	30.70	2.97	32.82	3.04	34.24	3.09
	104.0	24.19	2.56	25.28	2.56	26.34	2.56	26.87	2.56	28.40	2.56	29.39	2.56
	109.4	18.99	1.77	19.74	1.77	20.47	1.77	20.83	1.77	21.88	1.77	22.57	1.77
	114.8	11.84	0.98	12.25	0.98	12.65	0.98	12.85	0.98	13.43	0.98	13.81	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + CTXS09H + FDXS09L	68.0	30.94	2.40	32.33	2.45	33.72	2.50	34.42	2.52	36.51	2.59	37.90	2.64
	77.0	29.53	2.55	30.93	2.59	32.32	2.64	33.01	2.67	35.10	2.74	36.49	2.78
	86.0	28.13	2.70	29.52	2.75	30.91	2.80	31.61	2.82	33.69	2.89	35.08	2.94
	89.6	27.57	2.77	28.96	2.82	30.35	2.87	31.04	2.89	33.13	2.96	34.52	3.01
	95.0	26.72	2.87	28.11	2.92	29.50	2.97	30.20	2.99	32.29	3.06	33.68	3.11
	104.0	23.80	2.56	24.87	2.56	25.92	2.56	26.43	2.56	27.94	2.56	28.92	2.56
	109.4	18.75	1.77	19.48	1.77	20.20	1.77	20.56	1.77	21.60	1.77	22.27	1.77
	114.8	11.72	0.98	12.12	0.98	12.52	0.98	12.71	0.98	13.29	0.98	13.66	0.98
CTXS09H + CTXS09H + FDXS09L + FDXS09L	68.0	30.63	2.52	32.01	2.57	33.39	2.62	34.08	2.65	36.14	2.72	37.52	2.77
	77.0	29.24	2.67	30.62	2.72	32.00	2.77	32.68	2.80	34.75	2.87	36.13	2.92
	86.0	27.85	2.84	29.23	2.89	30.60	2.94	31.29	2.96	33.36	3.04	34.74	3.09
	89.6	27.29	2.91	28.67	2.96	30.05	3.01	30.74	3.03	32.80	3.11	34.18	3.16
	95.0	26.46	3.02	27.83	3.07	29.21	3.12	29.90	3.14	31.97	3.22	33.34	3.27
	104.0	23.39	2.56	24.43	2.56	25.44	2.56	25.94	2.56	27.40	2.56	28.35	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.30	1.77	21.96	1.77
	114.8	11.64	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98
CTXS09H + FDXS09L + FDXS09L + FDXS09L	68.0	30.33	2.65	31.69	2.70	33.05	2.76	33.73	2.78	35.78	2.86	37.14	2.91
	77.0	28.95	2.81	30.31	2.86	31.67	2.92	32.36	2.94	34.40	3.02	35.77	3.07
	86.0	27.57	2.98	28.93	3.04	30.30	3.09	30.98	3.12	33.02	3.19	34.39	3.25
	89.6	27.02	3.06	28.38	3.11	29.75	3.16	30.43	3.19	32.47	3.27	33.84	3.32
	95.0	26.19	3.17	27.55	3.22	28.92	3.28	29.60	3.30	31.65	3.38	33.01	3.44
	104.0	23.09	2.56	24.09	2.56	25.08	2.56	25.56	2.56	26.98	2.56	27.90	2.56
	109.4	18.41	1.77	19.10	1.77	19.78	1.77	20.11	1.77	21.09	1.77	21.72	1.77
	114.8	11.61	0.98	11.99	0.98	12.37	0.98	12.55	0.98	13.09	0.98	13.44	0.98
FDXS09L + FDXS09L + FDXS09L + FDXS09L	68.0	29.81	2.77	31.15	2.83	32.49	2.88	33.16	2.91	35.18	2.99	36.52	3.05
	77.0	28.46	2.94	29.80	2.99	31.14	3.05	31.81	3.08	33.82	3.16	35.16	3.21
	86.0	27.10	3.12	28.44	3.17	29.78	3.23	30.45	3.26	32.47	3.34	33.81	3.39
	89.6	26.56	3.20	27.90	3.25	29.24	3.31	29.91	3.33	31.92	3.42	33.26	3.47
	95.0	25.75	3.32	27.09	3.37	28.43	3.43	29.10	3.45	31.11	3.54	32.45	3.59
	104.0	22.77	2.56	23.74	2.56	24.70	2.56	25.17	2.56	26.54	2.56	27.44	2.56
	109.4	18.26	1.77	18.93	1.77	19.59	1.77	19.91	1.77	20.86	1.77	21.48	1.77
	114.8	11.57	0.98	11.94	0.98	12.30	0.98	12.48	0.98	13.01	0.98	13.35	0.98
CTXS09H + CTXS09H + CTXS09H + CTXS12H	68.0	31.76	2.49	33.19	2.54	34.62	2.59	35.33	2.61	37.47	2.69	38.90	2.74
	77.0	30.32	2.64	31.74	2.69	33.17	2.74	33.89	2.76	36.03	2.84	37.46	2.89
	86.0	28.87	2.80	30.30	2.85	31.73	2.90	32.44	2.93	34.59	3.00	36.01	3.05
	89.6	28.30	2.87	29.72	2.92	31.15	2.97	31.87	3.00	34.01	3.07	35.44	3.12
	95.0	27.43	2.98	28.86	3.03	30.29	3.08	31.00	3.10	33.14	3.18	34.57	3.23
	104.0	24.18	2.56	25.25	2.56	26.30	2.56	26.81	2.56	28.33	2.56	29.31	2.56
	109.4	19.03	1.77	19.77	1.77	20.49	1.77	20.85	1.77	21.89	1.77	22.56	1.77
	114.8	11.89	0.98	12.30	0.98	12.69	0.98	12.89	0.98	13.46	0.98	13.84	0.98
CTXS09H + CTXS09H + CTXS09H + FDXS12L	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + FDXS09L + CTXS12H	68.0	31.25	2.51	32.65	2.56	34.06	2.61	34.76	2.63	36.87	2.71	38.27	2.76
	77.0	29.83	2.66	31.23	2.71	32.64	2.76	33.34	2.78	35.45	2.86	36.85	2.91
	86.0	28.41	2.82	29.81	2.87	31.22	2.92	31.92	2.95	34.03	3.02	35.43	3.07
	89.6	27.84	2.89	29.24	2.94	30.65	2.99	31.35	3.01	33.46	3.09	34.87	3.14
	95.0	26.99	3.00	28.39	3.05	29.80	3.10	30.50	3.12	32.61	3.20	34.01	3.25
	104.0	23.82	2.56	24.87	2.56	25.90	2.56	26.41	2.56	27.90	2.56	28.86	2.56
	109.4	18.81	1.77	19.53	1.77	20.24	1.77	20.59	1.77	21.62	1.77	22.28	1.77
	114.8	11.78	0.98	12.18	0.98	12.57	0.98	12.76	0.98	13.33	0.98	13.69	0.98
CTXS09H + CTXS09H + FDXS09L + FDXS12L	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS09H + FDXS09L + FDXS09L + CTXS12H	68.0	30.84	2.58	32.22	2.63	33.61	2.68	34.30	2.71	36.38	2.78	37.77	2.83
	77.0	29.44	2.73	30.82	2.78	32.21	2.84	32.90	2.86	34.98	2.94	36.37	2.99
	86.0	28.03	2.90	29.42	2.95	30.81	3.00	31.50	3.03	33.58	3.11	34.97	3.16
	89.6	27.47	2.97	28.86	3.02	30.25	3.08	30.94	3.10	33.02	3.18	34.41	3.23
	95.0	26.63	3.08	28.02	3.14	29.41	3.19	30.10	3.21	32.18	3.29	33.57	3.34
	104.0	23.46	2.56	24.49	2.56	25.50	2.56	26.00	2.56	27.45	2.56	28.39	2.56
	109.4	18.61	1.77	19.32	1.77	20.02	1.77	20.36	1.77	21.36	1.77	22.01	1.77
	114.8	11.70	0.98	12.09	0.98	12.47	0.98	12.66	0.98	13.21	0.98	13.57	0.98
CTXS09H + FDXS09L + FDXS09L + FDXS12L	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
FDXS09L + FDXS09L + FDXS09L + CTXS12H	68.0	30.43	2.70	31.80	2.75	33.16	2.81	33.85	2.83	35.90	2.91	37.27	2.97
	77.0	29.05	2.86	30.41	2.91	31.78	2.97	32.47	2.99	34.52	3.08	35.89	3.13
	86.0	27.66	3.04	29.03	3.09	30.40	3.15	31.08	3.17	33.14	3.25	34.50	3.31
	89.6	27.11	3.11	28.48	3.17	29.85	3.22	30.53	3.25	32.58	3.33	33.95	3.38
	95.0	26.28	3.23	27.65	3.28	29.02	3.34	29.70	3.36	31.75	3.44	33.12	3.50
	104.0	23.14	2.56	24.14	2.56	25.11	2.56	25.59	2.56	27.01	2.56	27.93	2.56
	109.4	18.46	1.77	19.15	1.77	19.82	1.77	20.16	1.77	21.13	1.77	21.76	1.77
	114.8	11.66	0.98	12.03	0.98	12.40	0.98	12.59	0.98	13.13	0.98	13.48	0.98
FDXS09L + FDXS09L + FDXS09L + FDXS12L	68.0	30.12	2.87	31.48	2.93	32.83	2.99	33.51	3.02	35.54	3.10	36.89	3.16
	77.0	28.75	3.05	30.11	3.11	31.46	3.16	32.14	3.19	34.17	3.28	35.52	3.33
	86.0	27.38	3.24	28.74	3.29	30.09	3.35	30.77	3.38	32.80	3.47	34.16	3.52
	89.6	26.84	3.32	28.19	3.37	29.54	3.43	30.22	3.46	32.25	3.55	33.61	3.60
	95.0	26.01	3.44	27.37	3.50	28.72	3.56	29.40	3.58	31.43	3.67	32.79	3.73
	104.0	23.00	2.56	23.96	2.56	24.91	2.56	25.38	2.56	26.75	2.56	27.64	2.56
	109.4	18.46	1.77	19.13	1.77	19.78	1.77	20.10	1.77	21.04	1.77	21.66	1.77
	114.8	11.71	0.98	12.07	0.98	12.43	0.98	12.61	0.98	13.13	0.98	13.47	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + CTXS09H + FTXS15L	68.0	31.86	2.39	33.30	2.44	34.73	2.49	35.44	2.51	37.59	2.58	39.03	2.63
	77.0	30.41	2.54	31.85	2.58	33.28	2.63	34.00	2.66	36.15	2.73	37.58	2.78
	86.0	28.97	2.69	30.40	2.74	31.83	2.79	32.55	2.81	34.70	2.88	36.13	2.93
	89.6	28.39	2.76	29.82	2.81	31.25	2.86	31.97	2.88	34.12	2.95	35.55	3.00
	95.0	27.52	2.86	28.95	2.91	30.38	2.96	31.10	2.98	33.25	3.05	34.68	3.10
	104.0	24.45	2.56	25.55	2.56	26.62	2.56	27.15	2.56	28.69	2.56	29.70	2.56
	109.4	19.16	1.77	19.92	1.77	20.65	1.77	21.02	1.77	22.08	1.77	22.77	1.77
	114.8	11.93	0.98	12.34	0.98	12.75	0.98	12.95	0.98	13.54	0.98	13.92	0.98
CTXS09H + CTXS09H + CTXS09H + CDXS15L	68.0	31.45	2.44	32.87	2.49	34.28	2.54	34.99	2.56	37.11	2.64	38.52	2.68
	77.0	30.02	2.59	31.44	2.64	32.85	2.69	33.56	2.71	35.68	2.78	37.09	2.83
	86.0	28.59	2.75	30.01	2.80	31.42	2.85	32.13	2.87	34.25	2.94	35.67	2.99
	89.6	28.02	2.82	29.44	2.86	30.85	2.91	31.56	2.94	33.68	3.01	35.09	3.06
	95.0	27.16	2.92	28.58	2.97	29.99	3.02	30.70	3.04	32.82	3.12	34.24	3.16
	104.0	24.07	2.56	25.14	2.56	26.19	2.56	26.71	2.56	28.22	2.56	29.20	2.56
	109.4	18.94	1.77	19.68	1.77	20.40	1.77	20.75	1.77	21.80	1.77	22.47	1.77
	114.8	11.83	0.98	12.23	0.98	12.63	0.98	12.83	0.98	13.40	0.98	13.78	0.98
CTXS09H + CTXS09H + FDXS09L + FTXS15L	68.0	31.45	2.42	32.87	2.47	34.28	2.51	34.99	2.54	37.11	2.61	38.52	2.66
	77.0	30.02	2.56	31.44	2.61	32.85	2.66	33.56	2.68	35.68	2.76	37.09	2.80
	86.0	28.59	2.72	30.01	2.77	31.42	2.82	32.13	2.84	34.25	2.91	35.67	2.96
	89.6	28.02	2.79	29.44	2.84	30.85	2.88	31.56	2.91	33.68	2.98	35.09	3.03
	95.0	27.16	2.89	28.58	2.94	29.99	2.99	30.70	3.01	32.82	3.09	34.24	3.13
	104.0	24.12	2.56	25.20	2.56	26.25	2.56	26.77	2.56	28.29	2.56	29.28	2.56
	109.4	18.96	1.77	19.70	1.77	20.43	1.77	20.78	1.77	21.83	1.77	22.51	1.77
	114.8	11.83	0.98	12.24	0.98	12.64	0.98	12.84	0.98	13.41	0.98	13.79	0.98
CTXS09H + CTXS09H + FDXS09L + CDXS15L	68.0	31.04	2.51	32.44	2.56	33.83	2.61	34.53	2.64	36.63	2.71	38.02	2.76
	77.0	29.63	2.66	31.03	2.71	32.42	2.76	33.12	2.79	35.22	2.87	36.61	2.92
	86.0	28.22	2.83	29.62	2.88	31.01	2.93	31.71	2.95	33.80	3.03	35.20	3.08
	89.6	27.66	2.90	29.05	2.95	30.45	3.00	31.15	3.02	33.24	3.10	34.64	3.15
	95.0	26.81	3.01	28.21	3.06	29.60	3.11	30.30	3.13	32.39	3.21	33.79	3.26
	104.0	23.67	2.56	24.72	2.56	25.74	2.56	26.25	2.56	27.73	2.56	28.69	2.56
	109.4	18.72	1.77	19.44	1.77	20.14	1.77	20.49	1.77	21.51	1.77	22.17	1.77
	114.8	11.73	0.98	12.13	0.98	12.52	0.98	12.71	0.98	13.27	0.98	13.64	0.98
CTXS09H + FDXS09L + FDXS09L + FTXS15L	68.0	31.04	2.49	32.44	2.54	33.83	2.59	34.53	2.61	36.63	2.69	38.02	2.74
	77.0	29.63	2.64	31.03	2.69	32.42	2.74	33.12	2.76	35.22	2.84	36.61	2.89
	86.0	28.22	2.80	29.62	2.85	31.01	2.90	31.71	2.93	33.80	3.00	35.20	3.05
	89.6	27.66	2.87	29.05	2.92	30.45	2.97	31.15	3.00	33.24	3.07	34.64	3.12
	95.0	26.81	2.98	28.21	3.03	29.60	3.08	30.30	3.10	32.39	3.18	33.79	3.23
	104.0	23.71	2.56	24.76	2.56	25.79	2.56	26.30	2.56	27.78	2.56	28.74	2.56
	109.4	18.73	1.77	19.45	1.77	20.16	1.77	20.51	1.77	21.53	1.77	22.20	1.77
	114.8	11.73	0.98	12.13	0.98	12.52	0.98	12.71	0.98	13.28	0.98	13.65	0.98
CTXS09H + FDXS09L + FDXS09L + CDXS15L	68.0	30.63	2.53	32.01	2.58	33.39	2.63	34.08	2.66	36.14	2.73	37.52	2.78
	77.0	29.24	2.68	30.62	2.73	32.00	2.78	32.68	2.81	34.75	2.88	36.13	2.93
	86.0	27.85	2.85	29.23	2.90	30.60	2.95	31.29	2.97	33.36	3.05	34.74	3.10
	89.6	27.29	2.92	28.67	2.97	30.05	3.02	30.74	3.04	32.80	3.12	34.18	3.17
	95.0	26.46	3.03	27.83	3.08	29.21	3.13	29.90	3.15	31.97	3.23	33.34	3.28
	104.0	23.38	2.56	24.42	2.56	25.43	2.56	25.93	2.56	27.39	2.56	28.33	2.56
	109.4	18.54	1.77	19.25	1.77	19.95	1.77	20.29	1.77	21.29	1.77	21.95	1.77
	114.8	11.65	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.17	0.98	13.53	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS09L + FTXS15L	68.0	30.63	2.56	32.01	2.61	33.39	2.66	34.08	2.69	36.14	2.77	37.52	2.82
	77.0	29.24	2.72	30.62	2.77	32.00	2.82	32.68	2.84	34.75	2.92	36.13	2.97
	86.0	27.85	2.88	29.23	2.93	30.60	2.99	31.29	3.01	33.36	3.09	34.74	3.14
	89.6	27.29	2.95	28.67	3.01	30.05	3.06	30.74	3.08	32.80	3.16	34.18	3.21
	95.0	26.46	3.07	27.83	3.12	29.21	3.17	29.90	3.19	31.97	3.27	33.34	3.32
	104.0	23.35	2.56	24.38	2.56	25.38	2.56	25.88	2.56	27.33	2.56	28.27	2.56
	109.4	18.53	1.77	19.24	1.77	19.93	1.77	20.27	1.77	21.27	1.77	21.92	1.77
	114.8	11.65	0.98	12.04	0.98	12.42	0.98	12.61	0.98	13.16	0.98	13.52	0.98
FDXS09L + FDXS09L + FDXS09L + CDXS15L	68.0	30.22	2.66	31.58	2.71	32.94	2.76	33.62	2.79	35.66	2.87	37.02	2.92
	77.0	28.85	2.82	30.21	2.87	31.57	2.92	32.25	2.95	34.29	3.03	35.65	3.08
	86.0	27.48	2.99	28.83	3.05	30.19	3.10	30.87	3.12	32.91	3.20	34.27	3.26
	89.6	26.93	3.07	28.29	3.12	29.64	3.17	30.32	3.20	32.36	3.28	33.72	3.33
	95.0	26.10	3.18	27.46	3.23	28.82	3.29	29.50	3.31	31.54	3.39	32.90	3.45
	104.0	23.02	2.56	24.02	2.56	25.00	2.56	25.48	2.56	26.90	2.56	27.82	2.56
	109.4	18.37	1.77	19.06	1.77	19.73	1.77	20.06	1.77	21.04	1.77	21.67	1.77
	114.8	11.60	0.98	11.97	0.98	12.35	0.98	12.53	0.98	13.07	0.98	13.42	0.98
CTXS09H + CTXS09H + CTXS09H + FTXS18L	68.0	32.17	2.51	33.62	2.56	35.06	2.61	35.79	2.63	37.96	2.71	39.40	2.76
	77.0	30.71	2.66	32.15	2.71	33.60	2.76	34.32	2.78	36.49	2.86	37.94	2.91
	86.0	29.25	2.82	30.69	2.87	32.14	2.92	32.86	2.95	35.03	3.02	36.48	3.07
	89.6	28.66	2.89	30.11	2.94	31.55	2.99	32.28	3.01	34.45	3.09	35.89	3.14
	95.0	27.78	3.00	29.23	3.05	30.68	3.10	31.40	3.12	33.57	3.20	35.02	3.25
	104.0	24.42	2.56	25.50	2.56	26.56	2.56	27.07	2.56	28.59	2.56	29.58	2.56
	109.4	19.20	1.77	19.94	1.77	20.66	1.77	21.02	1.77	22.07	1.77	22.75	1.77
	114.8	11.98	0.98	12.39	0.98	12.79	0.98	12.98	0.98	13.56	0.98	13.94	0.98
CTXS09H + CTXS09H + CTXS09H + CDXS18L	68.0	31.76	2.55	33.19	2.60	34.62	2.65	35.33	2.67	37.47	2.75	38.90	2.80
	77.0	30.32	2.70	31.74	2.75	33.17	2.80	33.89	2.83	36.03	2.90	37.46	2.95
	86.0	28.87	2.87	30.30	2.92	31.73	2.97	32.44	2.99	34.59	3.07	36.01	3.12
	89.6	28.30	2.94	29.72	2.99	31.15	3.04	31.87	3.06	34.01	3.14	35.44	3.19
	95.0	27.43	3.05	28.86	3.10	30.29	3.15	31.00	3.17	33.14	3.25	34.57	3.30
	104.0	24.09	2.56	25.15	2.56	26.19	2.56	26.70	2.56	28.19	2.56	29.16	2.56
	109.4	19.00	1.77	19.73	1.77	20.45	1.77	20.80	1.77	21.83	1.77	22.50	1.77
	114.8	11.89	0.98	12.29	0.98	12.68	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS09L + FTXS18L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS09L + CDXS18L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + FDXS09L + FTXS18L	68.0	31.35	2.55	32.76	2.60	34.17	2.65	34.87	2.67	36.99	2.75	38.40	2.80
	77.0	29.93	2.70	31.33	2.75	32.74	2.80	33.45	2.83	35.56	2.90	36.97	2.95
	86.0	28.50	2.87	29.91	2.92	31.32	2.97	32.02	2.99	34.14	3.07	35.55	3.12
	89.6	27.93	2.94	29.34	2.99	30.75	3.04	31.45	3.06	33.57	3.14	34.98	3.19
	95.0	27.08	3.05	28.49	3.10	29.90	3.15	30.60	3.17	32.71	3.25	34.12	3.30
	104.0	23.83	2.56	24.88	2.56	25.90	2.56	26.41	2.56	27.89	2.56	28.85	2.56
	109.4	18.83	1.77	19.56	1.77	20.26	1.77	20.61	1.77	21.63	1.77	22.29	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + FDXS09L + CDXS18L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS09L + FTXS18L	68.0	30.94	2.62	32.33	2.67	33.72	2.72	34.42	2.75	36.51	2.83	37.90	2.88
	77.0	29.53	2.78	30.93	2.83	32.32	2.88	33.01	2.91	35.10	2.98	36.49	3.04
	86.0	28.13	2.95	29.52	3.00	30.91	3.05	31.61	3.08	33.69	3.16	35.08	3.21
	89.6	27.57	3.02	28.96	3.07	30.35	3.12	31.04	3.15	33.13	3.23	34.52	3.28
	95.0	26.72	3.13	28.11	3.19	29.50	3.24	30.20	3.26	32.29	3.34	33.68	3.39
	104.0	23.49	2.56	24.52	2.56	25.52	2.56	26.01	2.56	27.46	2.56	28.40	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.39	1.77	21.39	1.77	22.03	1.77
	114.8	11.73	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS09L + CDXS18L	68.0	30.53	2.76	31.90	2.82	33.28	2.87	33.96	2.90	36.02	2.98	37.40	3.04
	77.0	29.14	2.93	30.52	2.98	31.89	3.04	32.58	3.07	34.63	3.15	36.01	3.20
	86.0	27.76	3.11	29.13	3.16	30.50	3.22	31.19	3.25	33.25	3.33	34.62	3.39
	89.6	27.20	3.19	28.57	3.24	29.95	3.30	30.63	3.32	32.69	3.41	34.06	3.46
	95.0	26.37	3.31	27.74	3.36	29.11	3.42	29.80	3.44	31.86	3.53	33.23	3.58
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.63	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.22	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
	114.8	11.71	0.98	12.09	0.98	12.45	0.98	12.63	0.98	13.17	0.98	13.52	0.98
CTXS09H + CTXS09H + CTXS12H + CTXS12H	68.0	31.86	2.54	33.30	2.59	34.73	2.64	35.44	2.66	37.59	2.74	39.03	2.79
	77.0	30.41	2.69	31.85	2.74	33.28	2.79	34.00	2.82	36.15	2.89	37.58	2.94
	86.0	28.97	2.86	30.40	2.91	31.83	2.96	32.55	2.98	34.70	3.06	36.13	3.11
	89.6	28.39	2.93	29.82	2.98	31.25	3.03	31.97	3.05	34.12	3.13	35.55	3.18
	95.0	27.52	3.04	28.95	3.09	30.38	3.14	31.10	3.16	33.25	3.24	34.68	3.29
	104.0	24.17	2.56	25.23	2.56	26.27	2.56	26.79	2.56	28.29	2.56	29.26	2.56
	109.4	19.05	1.77	19.78	1.77	20.50	1.77	20.85	1.77	21.88	1.77	22.55	1.77
	114.8	11.91	0.98	12.32	0.98	12.71	0.98	12.90	0.98	13.47	0.98	13.85	0.98
CTXS09H + CTXS09H + CTXS12H + FDXS12L	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS09H + FDXS12L + FDXS12L	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
CTXS09H + FDXS09L + CTXS12H + CTXS12H	68.0	31.55	2.62	32.97	2.67	34.39	2.72	35.10	2.75	37.23	2.83	38.65	2.88
	77.0	30.12	2.78	31.54	2.83	32.96	2.88	33.67	2.91	35.80	2.98	37.22	3.04
	86.0	28.69	2.95	30.11	3.00	31.52	3.05	32.23	3.08	34.36	3.16	35.78	3.21
	89.6	28.11	3.02	29.53	3.07	30.95	3.12	31.66	3.15	33.79	3.23	35.21	3.28
	95.0	27.25	3.13	28.67	3.19	30.09	3.24	30.80	3.26	32.93	3.34	34.35	3.39
	104.0	23.88	2.56	24.92	2.56	25.94	2.56	26.44	2.56	27.91	2.56	28.86	2.56
	109.4	18.90	1.77	19.62	1.77	20.32	1.77	20.66	1.77	21.67	1.77	22.33	1.77
	114.8	11.86	0.98	12.25	0.98	12.64	0.98	12.83	0.98	13.39	0.98	13.75	0.98
CTXS09H + FDXS09L + CTXS12H + FDXS12L	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
CTXS09H + FDXS09L + FDXS12L + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98
FDXS09L + FDXS09L + CTXS12H + CTXS12H	68.0	31.15	2.68	32.55	2.74	33.95	2.79	34.65	2.82	36.75	2.90	38.15	2.95
	77.0	29.73	2.84	31.13	2.90	32.53	2.95	33.23	2.98	35.33	3.06	36.73	3.11
	86.0	28.31	3.02	29.71	3.07	31.12	3.13	31.82	3.15	33.92	3.23	35.32	3.29
	89.6	27.75	3.09	29.15	3.15	30.55	3.20	31.25	3.23	33.35	3.31	34.75	3.36
	95.0	26.90	3.21	28.30	3.26	29.70	3.32	30.40	3.34	32.50	3.42	33.90	3.48
	104.0	23.58	2.56	24.60	2.56	25.60	2.56	26.09	2.56	27.53	2.56	28.46	2.56
	109.4	18.74	1.77	19.44	1.77	20.13	1.77	20.47	1.77	21.46	1.77	22.10	1.77
	114.8	11.79	0.98	12.18	0.98	12.56	0.98	12.74	0.98	13.29	0.98	13.65	0.98
FDXS09L + FDXS09L + CTXS12H + FDXS12L	68.0	30.63	2.75	32.01	2.81	33.39	2.86	34.08	2.89	36.14	2.97	37.52	3.03
	77.0	29.24	2.92	30.62	2.97	32.00	3.03	32.68	3.06	34.75	3.14	36.13	3.19
	86.0	27.85	3.10	29.23	3.16	30.60	3.21	31.29	3.24	33.36	3.32	34.74	3.38
	89.6	27.29	3.18	28.67	3.23	30.05	3.29	30.74	3.31	32.80	3.40	34.18	3.45
	95.0	26.46	3.30	27.83	3.35	29.21	3.41	29.90	3.43	31.97	3.52	33.34	3.57
	104.0	23.25	2.56	24.25	2.56	25.22	2.56	25.70	2.56	27.11	2.56	28.03	2.56
	109.4	18.57	1.77	19.25	1.77	19.92	1.77	20.25	1.77	21.22	1.77	21.85	1.77
	114.8	11.73	0.98	12.10	0.98	12.47	0.98	12.65	0.98	13.19	0.98	13.54	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L + FDXS12L	68.0	30.22	2.93	31.58	2.99	32.94	3.05	33.62	3.08	35.66	3.16	37.02	3.22
	77.0	28.85	3.11	30.21	3.17	31.57	3.22	32.25	3.25	34.29	3.34	35.65	3.40
	86.0	27.48	3.30	28.83	3.36	30.19	3.42	30.87	3.45	32.91	3.53	34.27	3.59
	89.6	26.93	3.38	28.29	3.44	29.64	3.50	30.32	3.53	32.36	3.61	33.72	3.67
	95.0	26.10	3.51	27.46	3.57	28.82	3.62	29.50	3.65	31.54	3.74	32.90	3.80
	104.0	23.10	2.56	24.06	2.56	25.00	2.56	25.47	2.56	26.83	2.56	27.72	2.56
	109.4	18.56	1.77	19.22	1.77	19.87	1.77	20.19	1.77	21.13	1.77	21.74	1.77
	114.8	11.77	0.98	12.13	0.98	12.49	0.98	12.67	0.98	13.19	0.98	13.53	0.98
CTXS09H + CTXS09H + CTXS12H + FTXS15L	68.0	32.17	2.55	33.62	2.60	35.06	2.66	35.79	2.68	37.96	2.76	39.40	2.81
	77.0	30.71	2.71	32.15	2.76	33.60	2.81	34.32	2.83	36.49	2.91	37.94	2.96
	86.0	29.25	2.87	30.69	2.93	32.14	2.98	32.86	3.00	35.03	3.08	36.48	3.13
	89.6	28.66	2.95	30.11	3.00	31.55	3.05	32.28	3.07	34.45	3.15	35.89	3.20
	95.0	27.78	3.06	29.23	3.11	30.68	3.16	31.40	3.18	33.57	3.26	35.02	3.31
	104.0	24.34	2.56	25.41	2.56	26.46	2.56	26.97	2.56	28.48	2.56	29.45	2.56
	109.4	19.17	1.77	19.91	1.77	20.62	1.77	20.98	1.77	22.02	1.77	22.69	1.77
	114.8	11.98	0.98	12.38	0.98	12.78	0.98	12.97	0.98	13.55	0.98	13.92	0.98
CTXS09H + CTXS09H + CTXS12H + CDXS15L	68.0	31.76	2.55	33.19	2.60	34.62	2.65	35.33	2.67	37.47	2.75	38.90	2.80
	77.0	30.32	2.70	31.74	2.75	33.17	2.80	33.89	2.83	36.03	2.90	37.46	2.95
	86.0	28.87	2.87	30.30	2.92	31.73	2.97	32.44	2.99	34.59	3.07	36.01	3.12
	89.6	28.30	2.94	29.72	2.99	31.15	3.04	31.87	3.06	34.01	3.14	35.44	3.19
	95.0	27.43	3.05	28.86	3.10	30.29	3.15	31.00	3.17	33.14	3.25	34.57	3.30
	104.0	24.09	2.56	25.15	2.56	26.19	2.56	26.70	2.56	28.19	2.56	29.16	2.56
	109.4	19.00	1.77	19.73	1.77	20.45	1.77	20.80	1.77	21.83	1.77	22.50	1.77
	114.8	11.89	0.98	12.29	0.98	12.68	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS12L + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98
CTXS09H + CTXS09H + FDXS12L + CDXS15L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + CTXS12H + FTXS15L	68.0	31.76	2.52	33.19	2.57	34.62	2.62	35.33	2.65	37.47	2.72	38.90	2.77
	77.0	30.32	2.67	31.74	2.72	33.17	2.77	33.89	2.80	36.03	2.87	37.46	2.92
	86.0	28.87	2.84	30.30	2.89	31.73	2.94	32.44	2.96	34.59	3.04	36.01	3.09
	89.6	28.30	2.91	29.72	2.96	31.15	3.01	31.87	3.03	34.01	3.11	35.44	3.16
	95.0	27.43	3.02	28.86	3.07	30.29	3.12	31.00	3.14	33.14	3.22	34.57	3.27
	104.0	24.13	2.56	25.19	2.56	26.23	2.56	26.74	2.56	28.25	2.56	29.22	2.56
	109.4	19.02	1.77	19.75	1.77	20.46	1.77	20.82	1.77	21.85	1.77	22.52	1.77
	114.8	11.89	0.98	12.29	0.98	12.69	0.98	12.88	0.98	13.45	0.98	13.82	0.98

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + CTXS12H + CDXS15L	68.0	31.35	2.56	32.76	2.61	34.17	2.66	34.87	2.69	36.99	2.77	38.40	2.82
	77.0	29.93	2.72	31.33	2.77	32.74	2.82	33.45	2.84	35.56	2.92	36.97	2.97
	86.0	28.50	2.88	29.91	2.93	31.32	2.99	32.02	3.01	34.14	3.09	35.55	3.14
	89.6	27.93	2.95	29.34	3.01	30.75	3.06	31.45	3.08	33.57	3.16	34.98	3.21
	95.0	27.08	3.07	28.49	3.12	29.90	3.17	30.60	3.19	32.71	3.27	34.12	3.32
	104.0	23.81	2.56	24.85	2.56	25.88	2.56	26.38	2.56	27.86	2.56	28.81	2.56
	109.4	18.83	1.77	19.55	1.77	20.25	1.77	20.60	1.77	21.62	1.77	22.28	1.77
	114.8	11.80	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.71	0.98
CTXS09H + FDXS09L + FDXS12L + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98
CTXS09H + FDXS09L + FDXS12L + CDXS15L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + CTXS12H + FTXS15L	68.0	31.35	2.59	32.76	2.65	34.17	2.70	34.87	2.72	36.99	2.80	38.40	2.85
	77.0	29.93	2.75	31.33	2.80	32.74	2.85	33.45	2.88	35.56	2.96	36.97	3.01
	86.0	28.50	2.92	29.91	2.97	31.32	3.02	32.02	3.05	34.14	3.13	35.55	3.18
	89.6	27.93	2.99	29.34	3.04	30.75	3.10	31.45	3.12	33.57	3.20	34.98	3.25
	95.0	27.08	3.10	28.49	3.16	29.90	3.21	30.60	3.23	32.71	3.31	34.12	3.36
	104.0	23.77	2.56	24.81	2.56	25.83	2.56	26.33	2.56	27.80	2.56	28.75	2.56
	109.4	18.82	1.77	19.54	1.77	20.24	1.77	20.58	1.77	21.59	1.77	22.25	1.77
	114.8	11.81	0.98	12.20	0.98	12.59	0.98	12.78	0.98	13.34	0.98	13.70	0.98
FDXS09L + FDXS09L + CTXS12H + CDXS15L	68.0	30.94	2.63	32.33	2.69	33.72	2.74	34.42	2.77	36.51	2.84	37.90	2.90
	77.0	29.53	2.79	30.93	2.84	32.32	2.90	33.01	2.92	35.10	3.00	36.49	3.05
	86.0	28.13	2.97	29.52	3.02	30.91	3.07	31.61	3.10	33.69	3.18	35.08	3.23
	89.6	27.57	3.04	28.96	3.09	30.35	3.14	31.04	3.17	33.13	3.25	34.52	3.30
	95.0	26.72	3.15	28.11	3.20	29.50	3.26	30.20	3.28	32.29	3.36	33.68	3.41
	104.0	23.48	2.56	24.50	2.56	25.50	2.56	26.00	2.56	27.44	2.56	28.38	2.56
	109.4	18.65	1.77	19.36	1.77	20.05	1.77	20.38	1.77	21.38	1.77	22.03	1.77
	114.8	11.74	0.98	12.12	0.98	12.50	0.98	12.69	0.98	13.24	0.98	13.60	0.98
FDXS09L + FDXS09L + FDXS12L + FTXS15L	68.0	30.94	2.67	32.33	2.72	33.72	2.77	34.42	2.80	36.51	2.88	37.90	2.93
	77.0	29.53	2.83	30.93	2.88	32.32	2.93	33.01	2.96	35.10	3.04	36.49	3.09
	86.0	28.13	3.00	29.52	3.05	30.91	3.11	31.61	3.13	33.69	3.21	35.08	3.27
	89.6	27.57	3.08	28.96	3.13	30.35	3.18	31.04	3.21	33.13	3.29	34.52	3.34
	95.0	26.72	3.19	28.11	3.24	29.50	3.30	30.20	3.32	32.29	3.40	33.68	3.46
	104.0	23.46	2.56	24.48	2.56	25.47	2.56	25.96	2.56	27.40	2.56	28.33	2.56
	109.4	18.66	1.77	19.36	1.77	20.04	1.77	20.38	1.77	21.37	1.77	22.01	1.77
	114.8	11.75	0.98	12.13	0.98	12.51	0.98	12.69	0.98	13.24	0.98	13.60	0.98



Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + FDXS09L + FDXS12L + CDXS15L	68.0	30.53	2.76	31.90	2.82	33.28	2.87	33.96	2.90	36.02	2.98	37.40	3.04
	77.0	29.14	2.93	30.52	2.98	31.89	3.04	32.58	3.07	34.63	3.15	36.01	3.20
	86.0	27.76	3.11	29.13	3.16	30.50	3.22	31.19	3.25	33.25	3.33	34.62	3.39
	89.6	27.20	3.19	28.57	3.24	29.95	3.30	30.63	3.32	32.69	3.41	34.06	3.46
	95.0	26.37	3.31	27.74	3.36	29.11	3.42	29.80	3.44	31.86	3.53	33.23	3.58
	104.0	23.19	2.56	24.19	2.56	25.16	2.56	25.63	2.56	27.04	2.56	27.95	2.56
	109.4	18.53	1.77	19.22	1.77	19.88	1.77	20.21	1.77	21.18	1.77	21.81	1.77
CTXS09H + CTXS12H + CTXS12H + CTXS12H	68.0	32.17	2.71	33.62	2.76	35.06	2.81	35.79	2.84	37.96	2.92	39.40	2.98
	77.0	30.71	2.87	32.15	2.92	33.60	2.98	34.32	3.00	36.49	3.08	37.94	3.14
	86.0	29.25	3.05	30.69	3.10	32.14	3.15	32.86	3.18	35.03	3.26	36.48	3.32
	89.6	28.66	3.12	30.11	3.18	31.55	3.23	32.28	3.26	34.45	3.34	35.89	3.39
	95.0	27.78	3.24	29.23	3.29	30.68	3.35	31.40	3.37	33.57	3.45	35.02	3.51
	104.0	24.19	2.56	25.23	2.56	26.25	2.56	26.75	2.56	28.22	2.56	29.17	2.56
	109.4	19.15	1.77	19.86	1.77	20.56	1.77	20.91	1.77	21.92	1.77	22.58	1.77
CTXS09H + CTXS12H + CTXS12H + FDXS12L	68.0	31.76	2.72	33.19	2.78	34.62	2.83	35.33	2.86	37.47	2.94	38.90	2.99
	77.0	30.32	2.89	31.74	2.94	33.17	2.99	33.89	3.02	36.03	3.10	37.46	3.16
	86.0	28.87	3.06	30.30	3.12	31.73	3.17	32.44	3.20	34.59	3.28	36.01	3.34
	89.6	28.30	3.14	29.72	3.19	31.15	3.25	31.87	3.28	34.01	3.36	35.44	3.41
	95.0	27.43	3.26	28.86	3.31	30.29	3.37	31.00	3.39	33.14	3.47	34.57	3.53
	104.0	23.94	2.56	24.96	2.56	25.97	2.56	26.46	2.56	27.91	2.56	28.86	2.56
	109.4	18.99	1.77	19.70	1.77	20.39	1.77	20.73	1.77	21.73	1.77	22.38	1.77
CTXS09H + CTXS12H + FDXS12L + FDXS12L	68.0	31.35	2.79	32.76	2.85	34.17	2.91	34.87	2.93	36.99	3.02	38.40	3.07
	77.0	29.93	2.96	31.33	3.02	32.74	3.07	33.45	3.10	35.56	3.19	36.97	3.24
	86.0	28.50	3.15	29.91	3.20	31.32	3.26	32.02	3.29	34.14	3.37	35.55	3.42
	89.6	27.93	3.22	29.34	3.28	30.75	3.33	31.45	3.36	33.57	3.45	34.98	3.50
	95.0	27.08	3.34	28.49	3.40	29.90	3.46	30.60	3.48	32.71	3.57	34.12	3.62
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.16	2.56	27.58	2.56	28.50	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.57	1.77	21.55	1.77	22.18	1.77
CTXS09H + FDXS12L + FDXS12L + FDXS12L	68.0	30.94	2.92	32.33	2.98	33.72	3.04	34.42	3.07	36.51	3.16	37.90	3.21
	77.0	29.53	3.10	30.93	3.16	32.32	3.22	33.01	3.24	35.10	3.33	36.49	3.39
	86.0	28.13	3.29	29.52	3.35	30.91	3.41	31.61	3.44	33.69	3.52	35.08	3.58
	89.6	27.57	3.37	28.96	3.43	30.35	3.49	31.04	3.52	33.13	3.60	34.52	3.66
	95.0	26.72	3.50	28.11	3.56	29.50	3.61	30.20	3.64	32.29	3.73	33.68	3.79
	104.0	23.50	2.56	24.48	2.56	25.43	2.56	25.91	2.56	27.29	2.56	28.20	2.56
	109.4	18.81	1.77	19.48	1.77	20.14	1.77	20.47	1.77	21.42	1.77	22.04	1.77
FDXS09L + CTXS12H + CTXS12H + CTXS12H	68.0	31.76	2.72	33.19	2.78	34.62	2.83	35.33	2.86	37.47	2.94	38.90	2.99
	77.0	30.32	2.89	31.74	2.94	33.17	2.99	33.89	3.02	36.03	3.10	37.46	3.16
	86.0	28.87	3.06	30.30	3.12	31.73	3.17	32.44	3.20	34.59	3.28	36.01	3.34
	89.6	28.30	3.14	29.72	3.19	31.15	3.25	31.87	3.28	34.01	3.36	35.44	3.41
	95.0	27.43	3.26	28.86	3.31	30.29	3.37	31.00	3.39	33.14	3.47	34.57	3.53
	104.0	23.94	2.56	24.96	2.56	25.97	2.56	26.46	2.56	27.91	2.56	28.86	2.56
	109.4	18.99	1.77	19.70	1.77	20.39	1.77	20.73	1.77	21.73	1.77	22.38	1.77
114.8	11.94	0.98	12.32	0.98	12.71	0.98	12.89	0.98	13.44	0.98	13.80	0.98	

Combination (Capacity)	Outdoor air temp. EDB (°F)	Indoor air temp. EWB (°F)											
		57.2		60.8		64.4		67.0		71.6		75.2	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CTXS12H + CTXS12H + FDXS12L	68.0	31.35	2.79	32.76	2.85	34.17	2.91	34.87	2.93	36.99	3.02	38.40	3.07
	77.0	29.93	2.96	31.33	3.02	32.74	3.07	33.45	3.10	35.56	3.19	36.97	3.24
	86.0	28.50	3.15	29.91	3.20	31.32	3.26	32.02	3.29	34.14	3.37	35.55	3.42
	89.6	27.93	3.22	29.34	3.28	30.75	3.33	31.45	3.36	33.57	3.45	34.98	3.50
	95.0	27.08	3.34	28.49	3.40	29.90	3.46	30.60	3.48	32.71	3.57	34.12	3.62
	104.0	23.68	2.56	24.69	2.56	25.67	2.56	26.16	2.56	27.58	2.56	28.50	2.56
	109.4	18.86	1.77	19.55	1.77	20.23	1.77	20.57	1.77	21.55	1.77	22.18	1.77
	114.8	11.89	0.98	12.27	0.98	12.64	0.98	12.83	0.98	13.37	0.98	13.72	0.98
FDXS09L + CTXS12H + FDXS12L + FDXS12L	68.0	30.94	2.92	32.33	2.98	33.72	3.04	34.42	3.07	36.51	3.16	37.90	3.21
	77.0	29.53	3.10	30.93	3.16	32.32	3.22	33.01	3.24	35.10	3.33	36.49	3.39
	86.0	28.13	3.29	29.52	3.35	30.91	3.41	31.61	3.44	33.69	3.52	35.08	3.58
	89.6	27.57	3.37	28.96	3.43	30.35	3.49	31.04	3.52	33.13	3.60	34.52	3.66
	95.0	26.72	3.50	28.11	3.56	29.50	3.61	30.20	3.64	32.29	3.73	33.68	3.79
	104.0	23.50	2.56	24.48	2.56	25.43	2.56	25.91	2.56	27.29	2.56	28.20	2.56
	109.4	18.81	1.77	19.48	1.77	20.14	1.77	20.47	1.77	21.42	1.77	22.04	1.77
	114.8	11.90	0.98	12.27	0.98	12.63	0.98	12.81	0.98	13.34	0.98	13.68	0.98
FDXS09L + FDXS12L + FDXS12L + FDXS12L	68.0	30.22	2.93	31.58	2.99	32.94	3.05	33.62	3.08	35.66	3.16	37.02	3.22
	77.0	28.85	3.11	30.21	3.17	31.57	3.22	32.25	3.25	34.29	3.34	35.65	3.40
	86.0	27.48	3.30	28.83	3.36	30.19	3.42	30.87	3.45	32.91	3.53	34.27	3.59
	89.6	26.93	3.38	28.29	3.44	29.64	3.50	30.32	3.53	32.36	3.61	33.72	3.67
	95.0	26.10	3.51	27.46	3.57	28.82	3.62	29.50	3.65	31.54	3.74	32.90	3.80
	104.0	23.10	2.56	24.06	2.56	25.00	2.56	25.47	2.56	26.83	2.56	27.72	2.56
	109.4	18.56	1.77	19.22	1.77	19.87	1.77	20.19	1.77	21.13	1.77	21.74	1.77
	114.8	11.77	0.98	12.13	0.98	12.49	0.98	12.67	0.98	13.19	0.98	13.53	0.98

**Symbols:**

- EWB : Entering wet bulb temp. (°F)
- EDB : Entering dry bulb temp. (°F)
- TC : Total capacity (kBtu/h)
- PI : Power input (kW)

**Note:**

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

3D078887 ~ 3D078889  
 3D078890 ~ 3D078899  
 3D078900 ~ 3D078909  
 3D078910 ~ 3D078919

## Heating [60 Hz, 208 - 230 V]

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L	60.8	5.33	0.92	6.40	0.97	7.48	1.02	8.55	1.07	9.84	1.12	10.69	1.16	11.77	1.21
	64.4	5.20	0.93	6.27	0.98	7.34	1.03	8.42	1.08	9.70	1.13	10.56	1.17	11.63	1.22
	68.0	5.07	0.95	6.14	0.99	7.21	1.04	8.29	1.09	9.57	1.14	10.43	1.18	11.50	1.23
	70.0	4.99	0.95	6.07	1.00	7.14	1.05	8.21	1.09	9.50	1.15	60.00	1.19	11.43	1.24
	71.6	4.94	0.96	6.01	1.00	7.08	1.05	8.15	1.10	9.44	1.15	10.30	1.19	11.37	1.24
	75.2	4.81	0.97	5.88	1.01	6.95	1.06	8.02	1.11	9.31	1.16	10.17	1.20	11.24	1.25
CTXS09H	60.8	6.84	1.13	8.22	1.19	9.60	1.25	10.98	1.31	12.63	1.38	13.73	1.42	15.11	1.48
	64.4	6.68	1.15	8.05	1.20	9.43	1.26	10.81	1.32	12.46	1.39	13.56	1.44	14.94	1.49
	68.0	6.51	1.16	7.89	1.22	9.26	1.28	10.64	1.33	12.29	1.40	13.40	1.45	14.77	1.51
	70.0	6.41	1.17	7.79	1.22	9.17	1.28	10.55	1.34	12.20	1.41	13.30	1.46	14.68	1.51
	71.6	6.34	1.17	7.72	1.23	9.09	1.29	10.47	1.35	12.13	1.42	13.23	1.46	14.60	1.52
	75.2	6.17	1.18	7.55	1.24	8.93	1.30	10.30	1.36	11.96	1.43	13.06	1.47	14.44	1.53
FDXS09L	60.8	6.51	1.19	7.82	1.25	9.13	1.31	10.44	1.37	12.01	1.45	13.06	1.49	14.37	1.56
	64.4	6.35	1.20	7.66	1.26	8.97	1.33	10.28	1.39	11.85	1.46	12.90	1.51	14.21	1.57
	68.0	6.19	1.22	7.50	1.28	8.81	1.34	10.12	1.40	11.69	1.47	12.74	1.52	14.05	1.58
	70.0	6.10	1.22	7.41	1.28	8.72	1.35	10.03	1.41	11.60	1.48	12.65	1.53	13.96	1.59
	71.6	6.03	1.23	7.34	1.29	8.65	1.35	9.96	1.41	11.53	1.49	12.58	1.53	13.89	1.60
	75.2	5.87	1.24	7.18	1.30	8.49	1.37	9.80	1.43	11.37	1.50	12.42	1.55	13.73	1.61
CTXS12H	60.8	9.14	1.49	10.99	1.56	12.83	1.64	14.67	1.72	16.88	1.81	18.35	1.87	20.19	1.94
	64.4	8.92	1.50	10.76	1.58	12.60	1.66	14.44	1.73	16.65	1.82	18.12	1.89	19.96	1.96
	68.0	8.69	1.52	10.54	1.60	12.38	1.67	14.22	1.75	16.43	1.84	17.90	1.90	19.74	1.98
	70.0	8.57	1.53	10.41	1.61	12.25	1.68	14.09	1.76	16.30	1.85	17.77	1.91	19.61	1.99
	71.6	8.47	1.54	10.31	1.61	12.15	1.69	13.99	1.77	16.20	1.86	17.67	1.92	19.51	1.99
	75.2	8.24	1.55	10.09	1.63	11.93	1.71	13.77	1.78	15.97	1.87	17.45	1.94	18.84	1.93
FDXS12L	60.8	8.58	1.52	10.31	1.60	12.04	1.68	13.77	1.75	15.84	1.85	17.22	1.91	17.69	1.76
	64.4	8.37	1.54	10.10	1.61	11.83	1.69	13.56	1.77	15.63	1.86	16.76	1.88	16.76	1.66
	68.0	8.16	1.55	9.89	1.63	11.62	1.71	13.34	1.79	15.42	1.88	15.83	1.75	15.83	1.55
	70.0	8.04	1.56	9.77	1.64	11.50	1.72	13.23	1.80	15.30	1.89	15.31	1.69	15.31	1.49
	71.6	7.95	1.57	9.68	1.65	11.41	1.73	13.13	1.80	14.90	1.83	14.90	1.63	14.90	1.45
	75.2	7.74	1.59	9.47	1.67	11.19	1.74	12.92	1.82	13.97	1.70	13.97	1.52	13.97	1.34
FTXS15L	60.8	11.39	1.76	13.68	1.85	15.97	1.94	18.27	2.03	21.02	2.14	22.85	2.21	25.14	2.30
	64.4	11.11	1.78	13.40	1.87	15.69	1.96	17.99	2.05	20.74	2.16	22.57	2.23	24.86	2.32
	68.0	10.83	1.80	13.12	1.89	15.41	1.98	17.71	2.07	20.46	2.18	22.29	2.25	24.58	2.34
	70.0	10.67	1.81	12.96	1.90	15.26	1.99	17.55	2.08	20.30	2.19	22.13	2.26	24.43	2.35
	71.6	10.55	1.82	12.84	1.91	15.13	2.00	17.42	2.09	20.18	2.20	22.01	2.27	24.30	2.36
	75.2	10.27	1.84	12.56	1.93	14.85	2.02	17.14	2.11	19.90	2.22	21.73	2.29	23.86	2.35
CDXS15L	60.8	10.44	1.82	12.54	1.91	14.64	2.00	16.74	2.10	19.26	2.21	20.94	2.28	22.52	2.28
	64.4	10.18	1.84	12.28	1.93	14.38	2.02	16.48	2.12	19.00	2.23	20.68	2.30	21.34	2.12
	68.0	9.92	1.86	12.02	1.95	14.12	2.04	16.22	2.14	18.74	2.25	20.15	2.27	20.15	1.97
	70.0	9.78	1.87	11.88	1.96	13.98	2.06	16.08	2.15	18.60	2.26	19.49	2.17	19.49	1.89
	71.6	9.66	1.88	11.76	1.97	13.87	2.06	15.97	2.16	18.49	2.27	18.97	2.09	18.97	1.82
	75.2	9.41	1.90	11.51	1.99	13.61	2.08	15.71	2.18	17.78	2.19	17.78	1.92	17.78	1.68
FTXS18L	60.8	13.69	2.23	16.44	2.34	19.20	2.46	21.95	2.57	25.26	2.71	27.47	2.80	30.22	2.91
	64.4	13.35	2.25	16.11	2.37	18.86	2.48	21.62	2.59	24.92	2.73	27.13	2.82	29.88	2.94
	68.0	13.02	2.28	15.77	2.39	18.53	2.51	21.28	2.62	24.59	2.76	26.79	2.85	28.81	2.81
	70.0	12.83	2.29	15.58	2.40	18.34	2.52	21.09	2.63	24.40	2.77	26.60	2.86	27.87	2.67
	71.6	12.68	2.30	15.43	2.42	18.19	2.53	20.94	2.64	24.25	2.78	26.45	2.87	27.12	2.56
	75.2	12.34	2.33	15.10	2.44	17.85	2.56	20.61	2.67	23.91	2.81	25.42	2.74	25.42	2.33

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CDXS18L	60.8	10.77	1.87	12.94	1.96	15.11	2.06	17.28	2.15	19.88	2.27	21.61	2.34	22.21	2.14
	64.4	10.51	1.89	12.67	1.98	14.84	2.08	17.01	2.17	19.61	2.29	21.04	2.30	21.04	2.00
	68.0	10.24	1.91	12.41	2.00	14.58	2.10	16.75	2.19	19.35	2.31	19.87	2.14	19.87	1.86
	70.0	10.09	1.92	12.26	2.01	14.43	2.11	16.60	2.21	19.20	2.32	19.22	2.05	19.22	1.79
	71.6	9.98	1.93	12.14	2.02	14.31	2.12	16.48	2.21	18.70	2.24	18.70	1.98	18.70	1.73
	75.2	9.71	1.95	11.88	2.04	14.05	2.14	16.22	2.24	17.53	2.06	17.53	1.82	17.53	1.59
CTXS07L + CTXS07L	60.8	10.72	1.38	12.87	1.45	15.03	1.52	17.19	1.60	19.77	1.68	21.50	1.74	23.66	1.81
	64.4	10.45	1.40	12.61	1.47	14.77	1.54	16.92	1.61	19.51	1.70	21.24	1.75	23.39	1.82
	68.0	10.19	1.41	12.34	1.48	14.50	1.56	16.66	1.63	19.25	1.71	20.97	1.77	23.13	1.84
	70.0	10.04	1.42	12.20	1.49	14.36	1.56	16.51	1.64	19.10	1.72	20.83	1.78	22.98	1.85
	71.6	9.92	1.43	12.08	1.50	14.24	1.57	16.39	1.64	18.98	1.73	20.71	1.78	22.86	1.85
	75.2	9.66	1.44	11.82	1.52	13.97	1.59	16.13	1.66	18.72	1.74	20.44	1.80	22.60	1.87
CTXS07L + CTXS09H	60.8	12.34	1.66	14.83	1.74	17.31	1.83	19.80	1.91	22.78	2.01	24.76	2.08	27.25	2.17
	64.4	12.04	1.67	14.52	1.76	17.01	1.84	19.49	1.93	22.47	2.03	24.46	2.10	26.94	2.18
	68.0	11.74	1.69	14.22	1.78	16.70	1.86	19.19	1.95	22.17	2.05	24.16	2.12	26.64	2.20
	70.0	11.57	1.70	14.05	1.79	16.53	1.87	19.02	1.96	22.00	2.06	23.99	2.13	26.47	2.21
	71.6	11.43	1.71	13.92	1.80	16.40	1.88	18.88	1.97	21.86	2.07	23.85	2.14	26.34	2.22
	75.2	11.13	1.73	13.61	1.82	16.10	1.90	18.58	1.99	21.56	2.09	23.55	2.15	26.03	2.24
CTXS07L + FDXS09L	60.8	12.06	1.74	14.49	1.83	16.92	1.91	19.35	2.00	22.26	2.11	24.20	2.18	26.63	2.27
	64.4	11.77	1.76	14.19	1.85	16.62	1.93	19.05	2.02	21.96	2.13	23.90	2.20	26.33	2.29
	68.0	11.47	1.78	13.90	1.86	16.32	1.95	18.75	2.04	21.66	2.15	23.61	2.22	26.03	2.31
	70.0	11.30	1.79	13.73	1.88	16.16	1.96	18.59	2.05	21.50	2.16	23.44	2.23	25.87	2.32
	71.6	11.17	1.80	13.60	1.88	16.03	1.97	18.45	2.06	21.37	2.17	23.31	2.24	25.74	2.33
	75.2	10.87	1.81	13.30	1.90	15.73	1.99	18.16	2.08	21.07	2.19	23.01	2.26	25.44	2.35
CTXS07L + FTXS12L	60.8	14.19	2.03	17.05	2.14	19.91	2.24	22.76	2.35	26.19	2.47	28.48	2.56	31.34	2.66
	64.4	13.84	2.06	16.70	2.16	19.56	2.27	22.42	2.37	25.84	2.49	28.13	2.58	30.99	2.68
	68.0	13.50	2.08	16.35	2.18	19.21	2.29	22.07	2.39	25.49	2.52	27.78	2.60	30.64	2.70
	70.0	13.30	2.09	16.16	2.20	19.01	2.30	21.87	2.40	25.30	2.53	27.59	2.61	30.44	2.72
	71.6	13.15	2.10	16.00	2.21	18.86	2.31	21.72	2.42	25.14	2.54	27.43	2.62	30.29	2.73
	75.2	12.80	2.13	15.65	2.23	18.51	2.33	21.37	2.44	24.80	2.56	27.08	2.65	29.94	2.75
CTXS07L + FDXS12L	60.8	14.08	2.18	16.92	2.29	19.75	2.40	22.58	2.51	25.99	2.65	28.25	2.74	31.09	2.85
	64.4	13.74	2.20	16.57	2.31	19.40	2.43	22.24	2.54	25.64	2.67	27.91	2.76	30.74	2.87
	68.0	13.39	2.23	16.22	2.34	19.06	2.45	21.89	2.56	25.29	2.70	27.56	2.79	30.39	2.90
	70.0	13.20	2.24	16.03	2.35	18.86	2.46	21.70	2.58	25.10	2.71	27.37	2.80	30.20	2.91
	71.6	13.04	2.25	15.88	2.36	18.71	2.48	21.54	2.59	24.95	2.72	27.21	2.81	30.05	2.92
	75.2	12.70	2.28	15.53	2.39	18.36	2.50	21.20	2.61	24.60	2.75	26.87	2.83	29.70	2.95
CTXS07L + FTXS15L	60.8	16.77	2.44	20.15	2.57	23.53	2.69	26.90	2.82	30.96	2.97	33.66	3.07	37.03	3.20
	64.4	16.36	2.47	19.74	2.60	23.11	2.72	26.49	2.85	30.54	3.00	33.24	3.10	36.62	3.22
	68.0	15.95	2.50	19.33	2.62	22.70	2.75	26.08	2.87	30.13	3.02	32.83	3.12	36.21	3.25
	70.0	15.72	2.51	19.10	2.64	22.47	2.76	25.85	2.89	29.90	3.04	32.60	3.14	35.98	3.27
	71.6	15.54	2.53	18.91	2.65	22.29	2.78	25.67	2.90	29.72	3.05	32.42	3.15	35.79	3.28
	75.2	15.12	2.55	18.50	2.68	21.88	2.80	25.25	2.93	29.30	3.08	32.00	3.18	35.38	3.30
CTXS07L + CDXS15L	60.8	16.16	2.56	19.41	2.69	22.66	2.82	25.91	2.95	29.82	3.11	32.42	3.21	35.67	3.34
	64.4	15.76	2.59	19.01	2.72	22.26	2.85	25.52	2.98	29.42	3.14	32.02	3.24	35.27	3.37
	68.0	15.36	2.61	18.61	2.75	21.87	2.88	25.12	3.01	29.02	3.16	31.62	3.27	34.87	3.40
	70.0	15.14	2.63	18.39	2.76	21.65	2.89	24.90	3.02	28.80	3.18	31.40	3.28	34.65	3.42
	71.6	14.96	2.64	18.22	2.77	21.47	2.90	24.72	3.04	28.62	3.19	31.22	3.30	34.48	3.43
	75.2	14.57	2.67	17.82	2.80	21.07	2.93	24.32	3.06	28.23	3.22	30.83	3.33	34.08	3.46

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
CTXS07L + CDXS18L	60.8	17.62	3.09	21.16	3.25	24.71	3.40	28.25	3.56	32.51	3.75	35.34	3.88	38.77	3.97
	64.4	17.18	3.12	20.73	3.28	24.27	3.44	27.82	3.60	32.07	3.79	34.91	3.91	38.28	3.97
	68.0	16.75	3.16	20.29	3.31	23.84	3.47	27.39	3.63	31.64	3.82	34.48	3.95	37.81	3.97
	70.0	16.51	3.18	20.05	3.33	23.60	3.49	27.15	3.65	31.40	3.84	34.24	3.97	37.55	3.97
	71.6	16.32	3.19	19.86	3.35	23.41	3.51	26.95	3.67	31.21	3.86	34.04	3.97	37.35	3.97
	75.2	15.88	3.23	19.43	3.38	22.97	3.54	26.52	3.70	30.77	3.89	33.58	3.97	36.37	3.95
CTXS09H + CTXS09H	60.8	13.69	1.95	16.44	2.05	19.20	2.15	21.95	2.24	25.26	2.36	27.47	2.44	30.22	2.54
	64.4	13.35	1.97	16.11	2.07	18.86	2.17	21.62	2.27	24.92	2.39	27.13	2.47	29.88	2.57
	68.0	13.02	1.99	15.77	2.09	18.53	2.19	21.28	2.29	24.59	2.41	26.79	2.49	29.55	2.59
	70.0	12.83	2.00	15.58	2.10	18.34	2.20	21.09	2.30	24.40	2.42	26.60	2.50	29.36	2.60
	71.6	12.68	2.01	15.43	2.11	18.19	2.21	20.94	2.31	24.25	2.43	26.45	2.51	29.21	2.61
	75.2	12.34	2.03	15.10	2.13	17.85	2.23	20.61	2.33	23.91	2.45	26.12	2.53	28.87	2.63
CTXS09H + FDXS09L	60.8	13.35	1.99	16.04	2.10	18.73	2.20	21.41	2.30	24.64	2.42	26.79	2.50	29.48	2.61
	64.4	13.02	2.02	15.71	2.12	18.40	2.22	21.09	2.32	24.31	2.45	26.46	2.53	29.15	2.63
	68.0	12.70	2.04	15.38	2.14	18.07	2.24	20.76	2.35	23.98	2.47	26.13	2.55	28.82	2.65
	70.0	12.51	2.05	15.20	2.15	17.89	2.26	20.58	2.36	23.80	2.48	25.95	2.56	28.64	2.66
	71.6	12.37	2.06	15.05	2.16	17.74	2.27	20.43	2.37	23.65	2.49	25.80	2.57	28.49	2.67
	75.2	12.04	2.08	14.73	2.19	17.41	2.29	20.10	2.39	23.33	2.51	25.48	2.59	28.16	2.70
FDXS09L + FDXS09L	60.8	13.02	2.10	15.64	2.21	18.26	2.31	20.87	2.42	24.02	2.55	26.11	2.64	28.73	2.74
	64.4	12.70	2.12	15.32	2.23	17.93	2.34	20.55	2.44	23.70	2.57	25.79	2.66	28.41	2.77
	68.0	12.38	2.15	14.99	2.25	17.61	2.36	20.23	2.47	23.38	2.60	25.47	2.68	28.09	2.79
	70.0	12.20	2.16	14.82	2.27	17.44	2.37	20.06	2.48	23.20	2.61	25.30	2.70	27.92	2.80
	71.6	12.05	2.17	14.67	2.28	17.29	2.38	19.91	2.49	23.06	2.62	25.15	2.71	27.77	2.81
	75.2	11.73	2.19	14.35	2.30	16.97	2.41	19.59	2.51	22.74	2.64	24.83	2.73	27.45	2.84
CTXS09H + FTXS12L	60.8	15.93	2.53	19.14	2.66	22.35	2.79	25.55	2.92	29.40	3.08	31.97	3.18	35.17	3.31
	64.4	15.54	2.56	18.75	2.69	21.95	2.82	25.16	2.95	29.01	3.11	31.58	3.21	34.78	3.34
	68.0	15.15	2.59	18.36	2.72	21.56	2.85	24.77	2.98	28.62	3.13	31.18	3.24	34.39	3.37
	70.0	14.93	2.61	18.14	2.73	21.34	2.86	24.55	2.99	28.40	3.15	30.97	3.25	34.17	3.38
	71.6	14.76	2.62	17.96	2.75	21.17	2.88	24.38	3.01	28.23	3.16	30.79	3.27	34.00	3.40
	75.2	14.36	2.65	17.57	2.78	20.78	2.91	23.99	3.04	27.83	3.19	30.40	3.29	33.61	3.42
CTXS09H + FDXS12L	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51
FDXS09L + FTXS12L	60.8	15.54	2.60	18.67	2.73	21.80	2.86	24.92	3.00	28.68	3.16	31.18	3.26	34.31	3.40
	64.4	15.16	2.63	18.29	2.76	21.41	2.89	24.54	3.03	28.29	3.18	30.80	3.29	33.93	3.42
	68.0	14.78	2.66	17.90	2.79	21.03	2.92	24.16	3.05	27.91	3.21	30.41	3.32	33.54	3.45
	70.0	14.56	2.67	17.69	2.80	20.82	2.94	23.95	3.07	27.70	3.23	30.20	3.34	33.33	3.47
	71.6	14.39	2.68	17.52	2.82	20.65	2.95	23.78	3.08	27.53	3.24	30.03	3.35	33.16	3.48
	75.2	14.01	2.71	17.14	2.85	20.27	2.98	23.39	3.11	27.15	3.27	29.65	3.38	32.78	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
CTXS09H + FTXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
CTXS09H + CDXS15L	60.8	17.73	3.14	21.30	3.30	24.86	3.46	28.43	3.62	32.72	3.81	35.57	3.94	38.90	3.97
	64.4	17.29	3.17	20.86	3.33	24.43	3.49	28.00	3.65	32.28	3.85	35.13	3.97	38.42	3.97
	68.0	16.86	3.21	20.42	3.37	23.99	3.53	27.56	3.69	31.84	3.88	34.66	3.97	37.96	3.97
	70.0	16.61	3.23	20.18	3.39	23.75	3.55	27.32	3.71	31.60	3.90	34.40	3.97	37.71	3.97
	71.6	16.42	3.24	19.99	3.40	23.56	3.56	27.12	3.72	31.41	3.92	34.20	3.97	37.51	3.97
	75.2	15.98	3.28	19.55	3.44	23.12	3.60	26.69	3.76	30.97	3.95	33.75	3.97	36.62	3.97
FDXS09L + FTXS15L	60.8	17.56	2.93	21.09	3.08	24.63	3.23	28.16	3.38	32.40	3.56	35.23	3.68	38.77	3.83
	64.4	17.13	2.96	20.66	3.11	24.20	3.26	27.73	3.41	31.97	3.59	34.80	3.71	38.33	3.86
	68.0	16.70	2.99	20.23	3.14	23.76	3.29	27.30	3.44	31.54	3.62	34.37	3.74	37.90	3.89
	70.0	16.46	3.01	19.99	3.16	23.52	3.31	27.06	3.46	31.30	3.64	34.13	3.76	37.66	3.91
	71.6	16.26	3.03	19.80	3.17	23.33	3.32	26.87	3.47	31.11	3.65	33.94	3.77	37.47	3.92
	75.2	15.83	3.06	19.37	3.21	22.90	3.36	26.43	3.51	30.68	3.69	33.50	3.81	37.04	3.96
FDXS09L + CDXS15L	60.8	17.17	3.17	20.62	3.33	24.08	3.49	27.53	3.65	31.68	3.85	34.44	3.97	37.64	3.97
	64.4	16.74	3.20	20.20	3.37	23.66	3.53	27.11	3.69	31.26	3.88	33.99	3.97	37.20	3.97
	68.0	16.32	3.24	19.78	3.40	23.23	3.56	26.69	3.73	30.83	3.92	33.55	3.97	35.98	3.91
	70.0	16.09	3.26	19.54	3.42	23.00	3.58	26.45	3.75	30.60	3.94	33.31	3.97	34.80	3.67
	71.6	15.90	3.27	19.36	3.44	22.81	3.60	26.27	3.76	30.41	3.96	33.12	3.97	33.86	3.49
	75.2	15.48	3.31	18.93	3.47	22.39	3.63	25.84	3.80	29.99	3.97	31.75	3.81	31.75	3.12
CTXS09H + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
CTXS09H + CDXS18L	60.8	17.84	3.19	21.43	3.36	25.02	3.52	28.61	3.68	32.92	3.88	35.75	3.97	39.02	3.97
	64.4	17.40	3.23	20.99	3.39	24.58	3.55	28.17	3.72	32.48	3.91	35.28	3.97	38.56	3.97
	68.0	16.96	3.26	20.55	3.43	24.14	3.59	27.73	3.75	32.04	3.95	34.82	3.97	38.11	3.97
	70.0	16.72	3.28	20.31	3.45	23.90	3.61	27.49	3.77	31.80	3.97	34.56	3.97	37.87	3.97
	71.6	16.52	3.30	20.11	3.46	23.71	3.63	27.30	3.79	31.60	3.97	34.37	3.97	37.67	3.97
	75.2	16.08	3.34	19.68	3.50	23.27	3.66	26.86	3.83	31.16	3.97	33.93	3.97	36.37	3.95
FDXS09L + FTXS18L	60.8	17.78	2.93	21.36	3.08	24.94	3.23	28.52	3.38	32.82	3.56	35.68	3.68	39.26	3.83
	64.4	17.35	2.96	20.93	3.11	24.51	3.26	28.09	3.41	32.38	3.59	35.24	3.71	38.82	3.86
	68.0	16.91	2.99	20.49	3.14	24.07	3.29	27.65	3.44	31.94	3.62	34.81	3.74	38.39	3.89
	70.0	16.67	3.01	20.25	3.16	23.83	3.31	27.40	3.46	31.70	3.64	34.56	3.76	38.14	3.91
	71.6	16.47	3.03	20.05	3.17	23.63	3.32	27.21	3.47	31.51	3.65	34.37	3.77	37.95	3.92
	75.2	16.03	3.06	19.61	3.21	23.19	3.36	26.77	3.51	31.07	3.69	33.93	3.81	37.51	3.96

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
FDXS09L + CDXS18L	60.8	17.28	3.22	20.76	3.38	24.24	3.55	27.71	3.71	31.89	3.91	34.61	3.97	37.81	3.97
	64.4	16.85	3.25	20.33	3.42	23.81	3.58	27.29	3.75	31.46	3.94	34.16	3.97	37.38	3.97
	68.0	16.43	3.29	19.91	3.45	23.38	3.62	26.86	3.78	31.04	3.97	33.73	3.97	35.70	3.82
	70.0	16.19	3.31	19.67	3.47	23.15	3.64	26.63	3.80	30.80	3.97	33.50	3.97	34.53	3.60
	71.6	16.00	3.32	19.48	3.49	22.96	3.65	26.44	3.82	30.61	3.97	33.32	3.97	33.60	3.43
	75.2	15.58	3.36	19.06	3.52	22.53	3.69	26.01	3.85	30.19	3.97	31.50	3.73	31.50	3.06
FTXS12L + FTXS12L	60.8	17.11	2.92	20.56	3.07	24.00	3.22	27.44	3.37	31.58	3.55	34.33	3.67	37.78	3.82
	64.4	16.69	2.95	20.13	3.10	23.58	3.25	27.02	3.40	31.16	3.58	33.91	3.70	37.35	3.85
	68.0	16.27	2.98	19.71	3.13	23.16	3.28	26.60	3.43	30.73	3.61	33.49	3.73	36.93	3.88
	70.0	16.04	3.00	19.48	3.15	22.92	3.30	26.37	3.45	30.50	3.63	33.26	3.75	36.70	3.90
	71.6	15.85	3.02	19.29	3.17	22.74	3.32	26.18	3.47	30.31	3.64	33.07	3.76	36.51	3.91
	75.2	15.43	3.05	18.87	3.20	22.31	3.35	25.76	3.50	29.89	3.68	32.65	3.80	36.09	3.95
FDXS12L + FTXS12L	60.8	15.88	2.69	19.07	2.83	22.27	2.97	25.46	3.11	29.30	3.27	31.86	3.38	35.05	3.52
	64.4	15.49	2.72	18.68	2.86	21.88	3.00	25.07	3.14	28.91	3.30	31.46	3.41	34.66	3.55
	68.0	15.10	2.75	18.29	2.89	21.49	3.03	24.68	3.17	28.52	3.33	31.07	3.44	34.27	3.58
	70.0	14.88	2.77	18.07	2.91	21.27	3.05	24.47	3.18	28.30	3.35	30.86	3.46	34.05	3.60
	71.6	14.70	2.78	17.90	2.92	21.10	3.06	24.29	3.20	28.13	3.36	30.68	3.47	33.88	3.61
	75.2	14.31	2.81	17.51	2.95	20.71	3.09	23.90	3.23	27.74	3.39	30.29	3.50	32.80	3.47
FDXS12L + FDXS12L	60.8	14.81	2.57	17.79	2.70	20.77	2.84	23.75	2.97	27.33	3.13	29.72	3.23	32.70	3.36
	64.4	14.45	2.60	17.43	2.73	20.41	2.87	23.39	3.00	26.97	3.16	29.35	3.26	32.33	3.39
	68.0	14.08	2.63	17.06	2.76	20.04	2.89	23.03	3.03	26.60	3.18	28.99	3.29	31.65	3.34
	70.0	13.88	2.65	16.86	2.78	19.84	2.91	22.82	3.04	26.40	3.20	28.78	3.31	30.62	3.16
	71.6	13.72	2.66	16.70	2.79	19.68	2.92	22.66	3.05	26.24	3.21	28.62	3.32	29.79	3.02
	75.2	13.35	2.69	16.33	2.82	19.32	2.95	22.30	3.08	25.87	3.24	27.93	3.26	27.93	2.72
FTXS12L + FTXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
FTXS12L + CDXS15L	60.8	17.73	3.14	21.30	3.30	24.86	3.46	28.43	3.62	32.72	3.81	35.57	3.94	38.90	3.97
	64.4	17.29	3.17	20.86	3.33	24.43	3.49	28.00	3.65	32.28	3.85	35.13	3.97	38.42	3.97
	68.0	16.86	3.21	20.42	3.37	23.99	3.53	27.56	3.69	31.84	3.88	34.66	3.97	37.96	3.97
	70.0	16.61	3.23	20.18	3.39	23.75	3.55	27.32	3.71	31.60	3.90	34.40	3.97	37.71	3.97
	71.6	16.42	3.24	19.99	3.40	23.56	3.56	27.12	3.72	31.41	3.92	34.20	3.97	37.51	3.97
	75.2	15.98	3.28	19.55	3.44	23.12	3.60	26.69	3.76	30.97	3.95	33.75	3.97	36.62	3.97
FDXS12L + FTXS15L	60.8	17.56	2.93	21.09	3.08	24.63	3.23	28.16	3.38	32.40	3.56	35.23	3.68	38.77	3.83
	64.4	17.13	2.96	20.66	3.11	24.20	3.26	27.73	3.41	31.97	3.59	34.80	3.71	38.33	3.86
	68.0	16.70	2.99	20.23	3.14	23.76	3.29	27.30	3.44	31.54	3.62	34.37	3.74	37.90	3.89
	70.0	16.46	3.01	19.99	3.16	23.52	3.31	27.06	3.46	31.30	3.64	34.13	3.76	37.66	3.91
	71.6	16.26	3.03	19.80	3.17	23.33	3.32	26.87	3.47	31.11	3.65	33.94	3.77	37.47	3.92
	75.2	15.83	3.06	19.37	3.21	22.90	3.36	26.43	3.51	30.68	3.69	33.50	3.81	37.04	3.96
FDXS12L + CDXS15L	60.8	17.17	3.17	20.62	3.33	24.08	3.49	27.53	3.65	31.68	3.85	34.44	3.97	37.64	3.97
	64.4	16.74	3.20	20.20	3.37	23.66	3.53	27.11	3.69	31.26	3.88	33.99	3.97	37.20	3.97
	68.0	16.32	3.24	19.78	3.40	23.23	3.56	26.69	3.73	30.83	3.92	33.55	3.97	35.98	3.91
	70.0	16.09	3.26	19.54	3.42	23.00	3.58	26.45	3.75	30.60	3.94	33.31	3.97	34.80	3.67
	71.6	15.90	3.27	19.36	3.44	22.81	3.60	26.27	3.76	30.41	3.96	33.12	3.97	33.86	3.49
	75.2	15.48	3.31	18.93	3.47	22.39	3.63	25.84	3.80	29.99	3.97	31.75	3.81	31.75	3.12

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS12L + FTXS18L	60.8	18.29	2.91	21.97	3.06	25.65	3.21	29.33	3.36	33.75	3.54	36.70	3.66	40.38	3.80
	64.4	17.84	2.94	21.52	3.09	25.20	3.24	28.88	3.39	33.30	3.57	36.25	3.69	39.93	3.84
	68.0	17.39	2.98	21.07	3.12	24.75	3.27	28.43	3.42	32.85	3.60	35.79	3.72	39.48	3.87
	70.0	17.14	2.99	20.82	3.14	24.50	3.29	28.18	3.44	32.60	3.62	35.54	3.74	39.23	3.89
	71.6	16.94	3.01	20.62	3.16	24.30	3.31	27.98	3.46	32.40	3.63	35.34	3.75	39.03	3.90
	75.2	16.49	3.04	20.17	3.19	23.85	3.34	27.53	3.49	31.95	3.67	34.89	3.79	38.58	3.94
FTXS12L + CDXS18L	60.8	17.84	3.19	21.43	3.36	25.02	3.52	28.61	3.68	32.92	3.88	35.75	3.97	39.02	3.97
	64.4	17.40	3.23	20.99	3.39	24.58	3.55	28.17	3.72	32.48	3.91	35.28	3.97	38.56	3.97
	68.0	16.96	3.26	20.55	3.43	24.14	3.59	27.73	3.75	32.04	3.95	34.82	3.97	38.11	3.97
	70.0	16.72	3.28	20.31	3.45	23.90	3.61	27.49	3.77	31.80	3.97	34.56	3.97	37.87	3.97
	71.6	16.52	3.30	20.11	3.46	23.71	3.63	27.30	3.79	31.60	3.97	34.37	3.97	37.67	3.97
	75.2	16.08	3.34	19.68	3.50	23.27	3.66	26.86	3.83	31.16	3.97	33.93	3.97	36.37	3.95
FDXS12L + FTXS18L	60.8	17.78	2.93	21.36	3.08	24.94	3.23	28.52	3.38	32.82	3.56	35.68	3.68	39.26	3.83
	64.4	17.35	2.96	20.93	3.11	24.51	3.26	28.09	3.41	32.38	3.59	35.24	3.71	38.82	3.86
	68.0	16.91	2.99	20.49	3.14	24.07	3.29	27.65	3.44	31.94	3.62	34.81	3.74	38.39	3.89
	70.0	16.67	3.01	20.25	3.16	23.83	3.31	27.40	3.46	31.70	3.64	34.56	3.76	38.14	3.91
	71.6	16.47	3.03	20.05	3.17	23.63	3.32	27.21	3.47	31.51	3.65	34.37	3.77	37.95	3.92
	75.2	16.03	3.06	19.61	3.21	23.19	3.36	26.77	3.51	31.07	3.69	33.93	3.81	37.51	3.96
FDXS12L + CDXS18L	60.8	17.28	3.22	20.76	3.38	24.24	3.55	27.71	3.71	31.89	3.91	34.61	3.97	37.81	3.97
	64.4	16.85	3.25	20.33	3.42	23.81	3.58	27.29	3.75	31.46	3.94	34.16	3.97	37.38	3.97
	68.0	16.43	3.29	19.91	3.45	23.38	3.62	26.86	3.78	31.04	3.97	33.73	3.97	35.70	3.82
	70.0	16.19	3.31	19.67	3.47	23.15	3.64	26.63	3.80	30.80	3.97	33.50	3.97	34.53	3.60
	71.6	16.00	3.32	19.48	3.49	22.96	3.65	26.44	3.82	30.61	3.97	33.32	3.97	33.60	3.43
	75.2	15.58	3.36	19.06	3.52	22.53	3.69	26.01	3.85	30.19	3.97	31.50	3.73	31.50	3.06
FTXS15L + FTXS15L	60.8	18.79	2.84	22.58	2.98	26.36	3.13	30.14	3.27	34.68	3.45	37.71	3.57	41.49	3.71
	64.4	18.33	2.87	22.11	3.02	25.90	3.16	29.68	3.31	34.22	3.48	37.25	3.60	41.03	3.74
	68.0	17.87	2.90	21.65	3.05	25.43	3.19	29.22	3.34	33.76	3.51	36.78	3.63	40.57	3.77
	70.0	17.61	2.92	21.40	3.06	25.18	3.21	28.96	3.36	33.50	3.53	36.53	3.65	40.31	3.79
	71.6	17.41	2.93	21.19	3.08	24.97	3.22	28.76	3.37	33.29	3.54	36.32	3.66	40.10	3.81
	75.2	16.94	2.97	20.73	3.11	24.51	3.26	28.29	3.40	32.83	3.58	35.86	3.69	39.64	3.84
CDXS15L + FTXS15L	60.8	18.35	2.99	22.04	3.14	25.73	3.30	29.42	3.45	33.85	3.63	36.81	3.76	40.50	3.91
	64.4	17.89	3.02	21.59	3.18	25.28	3.33	28.97	3.48	33.40	3.67	36.36	3.79	40.05	3.94
	68.0	17.44	3.06	21.14	3.21	24.83	3.36	28.52	3.52	32.95	3.70	35.90	3.82	39.59	3.97
	70.0	17.19	3.08	20.88	3.23	24.58	3.38	28.27	3.54	32.70	3.72	35.65	3.84	39.30	3.97
	71.6	16.99	3.09	20.68	3.24	24.38	3.40	28.07	3.55	32.50	3.73	35.45	3.86	39.07	3.97
	75.2	16.54	3.13	20.23	3.28	23.92	3.43	27.62	3.58	32.05	3.77	35.00	3.89	38.56	3.97
CDXS15L + CDXS15L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.71	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.56	3.70
FTXS15L + FTXS18L	60.8	18.91	2.81	22.71	2.95	26.52	3.09	30.32	3.24	34.89	3.41	37.93	3.52	41.74	3.67
	64.4	18.44	2.84	22.25	2.98	26.05	3.12	29.86	3.27	34.42	3.44	37.47	3.56	41.27	3.70
	68.0	17.98	2.87	21.78	3.01	25.59	3.16	29.39	3.30	33.96	3.47	37.00	3.59	40.81	3.73
	70.0	17.72	2.89	21.52	3.03	25.33	3.17	29.13	3.32	33.70	3.49	36.74	3.60	40.55	3.75
	71.6	17.51	2.90	21.32	3.04	25.12	3.19	28.93	3.33	33.49	3.50	36.54	3.62	40.34	3.76
	75.2	17.05	2.93	20.85	3.08	24.66	3.22	28.46	3.36	33.03	3.54	36.07	3.65	39.88	3.79



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS15L + CDXS18L	60.8	18.35	2.99	22.04	3.14	25.73	3.30	29.42	3.45	33.85	3.63	36.81	3.76	40.50	3.91
	64.4	17.89	3.02	21.59	3.18	25.28	3.33	28.97	3.48	33.40	3.67	36.36	3.79	40.05	3.94
	68.0	17.44	3.06	21.14	3.21	24.83	3.36	28.52	3.52	32.95	3.70	35.90	3.82	39.59	3.97
	70.0	17.19	3.08	20.88	3.23	24.58	3.38	28.27	3.54	32.70	3.72	35.65	3.84	39.30	3.97
	71.6	16.99	3.09	20.68	3.24	24.38	3.40	28.07	3.55	32.50	3.73	35.45	3.86	39.07	3.97
	75.2	16.54	3.13	20.23	3.28	23.92	3.43	27.62	3.58	32.05	3.77	35.00	3.89	38.56	3.97
CDXS15L + FTXS18L	60.8	18.40	2.95	22.11	3.10	25.81	3.25	29.51	3.40	33.96	3.59	36.92	3.71	40.62	3.86
	64.4	17.95	2.98	21.65	3.13	25.36	3.29	29.06	3.44	33.50	3.62	36.47	3.74	40.17	3.89
	68.0	17.50	3.02	21.20	3.17	24.90	3.32	28.61	3.47	33.05	3.65	36.01	3.77	39.72	3.92
	70.0	17.24	3.04	20.95	3.19	24.65	3.34	28.36	3.49	32.80	3.67	35.76	3.79	39.47	3.94
	71.6	17.04	3.05	20.75	3.20	24.45	3.35	28.15	3.50	32.60	3.68	35.56	3.81	39.27	3.96
	75.2	16.59	3.08	20.29	3.23	24.00	3.39	27.70	3.54	32.15	3.72	35.11	3.84	38.78	3.97
CDXS15L + CDXS18L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.67	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.31	3.64
FTXS18L + FTXS18L	60.8	18.96	2.77	22.78	2.92	26.60	3.06	30.41	3.20	34.99	3.37	38.05	3.48	41.86	3.63
	64.4	18.50	2.80	22.31	2.95	26.13	3.09	29.95	3.23	34.53	3.40	37.58	3.52	41.40	3.66
	68.0	18.03	2.84	21.85	2.98	25.66	3.12	29.48	3.26	34.06	3.43	37.11	3.55	40.93	3.69
	70.0	17.77	2.85	21.59	3.00	25.40	3.14	29.22	3.28	33.80	3.45	36.85	3.56	40.67	3.71
	71.6	17.56	2.87	21.38	3.01	25.20	3.15	29.01	3.29	33.59	3.46	36.65	3.58	40.46	3.72
	75.2	17.10	2.90	20.91	3.04	24.73	3.18	28.55	3.32	33.13	3.49	36.18	3.61	40.00	3.75
CDXS18L + FTXS18L	60.8	18.40	2.95	22.11	3.10	25.81	3.25	29.51	3.40	33.96	3.59	36.92	3.71	40.62	3.86
	64.4	17.95	2.98	21.65	3.13	25.36	3.29	29.06	3.44	33.50	3.62	36.47	3.74	40.17	3.89
	68.0	17.50	3.02	21.20	3.17	24.90	3.32	28.61	3.47	33.05	3.65	36.01	3.77	39.72	3.92
	70.0	17.24	3.04	20.95	3.19	24.65	3.34	28.36	3.49	32.80	3.67	35.76	3.79	39.47	3.94
	71.6	17.04	3.05	20.75	3.20	24.45	3.35	28.15	3.50	32.60	3.68	35.56	3.81	39.27	3.96
	75.2	16.59	3.08	20.29	3.23	24.00	3.39	27.70	3.54	32.15	3.72	35.11	3.84	38.78	3.97
CDXS18L + CDXS18L	60.8	17.84	3.16	21.43	3.32	25.02	3.48	28.61	3.65	32.92	3.84	35.79	3.97	39.08	3.97
	64.4	17.40	3.20	20.99	3.36	24.58	3.52	28.17	3.68	32.48	3.87	35.32	3.97	38.61	3.97
	68.0	16.96	3.23	20.55	3.39	24.14	3.55	27.73	3.72	32.04	3.91	34.85	3.97	38.15	3.97
	70.0	16.72	3.25	20.31	3.41	23.90	3.57	27.49	3.74	31.80	3.93	34.59	3.97	37.90	3.97
	71.6	16.52	3.27	20.11	3.43	23.71	3.59	27.30	3.75	31.60	3.95	34.39	3.97	37.40	3.97
	75.2	16.08	3.30	19.68	3.46	23.27	3.63	26.86	3.79	31.16	3.97	33.95	3.97	35.07	3.58
CTXS07L + CTXS07L + CTXS07L	60.8	15.93	1.98	19.14	2.08	22.35	2.18	25.55	2.28	29.40	2.40	31.97	2.48	35.17	2.59
	64.4	15.54	2.00	18.75	2.10	21.95	2.20	25.16	2.30	29.01	2.43	31.58	2.51	34.78	2.61
	68.0	15.15	2.02	18.36	2.12	21.56	2.22	24.77	2.33	28.62	2.45	31.18	2.53	34.39	2.63
	70.0	14.93	2.03	18.14	2.14	21.34	2.24	24.55	2.34	28.40	2.46	30.97	2.54	34.17	2.64
	71.6	14.76	2.04	17.96	2.15	21.17	2.25	24.38	2.35	28.23	2.47	30.79	2.55	34.00	2.65
	75.2	14.36	2.07	17.57	2.17	20.78	2.27	23.99	2.37	27.83	2.49	30.40	2.57	33.61	2.67
CTXS07L + CTXS07L + CTXS09H	60.8	17.45	2.35	20.96	2.47	24.47	2.59	27.98	2.71	32.20	2.85	35.01	2.95	38.52	3.07
	64.4	17.02	2.37	20.53	2.49	24.04	2.61	27.55	2.73	31.77	2.88	34.58	2.98	38.09	3.10
	68.0	16.59	2.40	20.10	2.52	23.61	2.64	27.12	2.76	31.34	2.91	34.15	3.00	37.66	3.12
	70.0	16.35	2.41	19.86	2.54	23.37	2.66	26.89	2.78	31.10	2.92	33.91	3.02	37.42	3.14
	71.6	16.16	2.43	19.67	2.55	23.18	2.67	26.70	2.79	30.91	2.93	33.72	3.03	37.23	3.15
	75.2	15.73	2.45	19.24	2.57	22.75	2.69	26.27	2.81	30.48	2.96	33.29	3.05	36.80	3.17

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS09L	60.8	17.17	2.42	20.62	2.54	24.08	2.67	27.53	2.79	31.68	2.94	34.44	3.04	37.90	3.16
	64.4	16.74	2.45	20.20	2.57	23.66	2.70	27.11	2.82	31.26	2.97	34.02	3.07	37.48	3.19
	68.0	16.32	2.47	19.78	2.60	23.23	2.72	26.69	2.85	30.83	2.99	33.60	3.09	37.05	3.22
	70.0	16.09	2.49	19.54	2.61	23.00	2.74	26.45	2.86	30.60	3.01	33.36	3.11	36.82	3.23
	71.6	15.90	2.50	19.36	2.63	22.81	2.75	26.27	2.87	30.41	3.02	33.18	3.12	36.63	3.25
	75.2	15.48	2.53	18.93	2.65	22.39	2.78	25.84	2.90	29.99	3.05	32.75	3.15	36.21	3.27
CTXS07L + CTXS07L + FTXS12L	60.8	18.40	2.61	22.11	2.74	25.81	2.87	29.51	3.01	33.96	3.17	36.92	3.27	40.62	3.41
	64.4	17.95	2.63	21.65	2.77	25.36	2.90	29.06	3.03	33.50	3.19	36.47	3.30	40.17	3.43
	68.0	17.50	2.66	21.20	2.80	24.90	2.93	28.61	3.06	33.05	3.22	36.01	3.33	39.72	3.46
	70.0	17.24	2.68	20.95	2.81	24.65	2.95	28.36	3.08	32.80	3.24	35.76	3.35	39.47	3.48
	71.6	17.04	2.69	20.75	2.83	24.45	2.96	28.15	3.09	32.60	3.25	35.56	3.36	39.27	3.49
	75.2	16.59	2.72	20.29	2.86	24.00	2.99	27.70	3.12	32.15	3.28	35.11	3.39	38.81	3.52
CTXS07L + CTXS07L + FDXS12L	60.8	18.12	2.73	21.77	2.87	25.42	3.01	29.06	3.15	33.44	3.32	36.36	3.43	40.00	3.57
	64.4	17.68	2.76	21.32	2.90	24.97	3.04	28.62	3.18	32.99	3.35	35.91	3.46	39.56	3.60
	68.0	17.23	2.79	20.88	2.93	24.52	3.07	28.17	3.21	32.55	3.38	35.47	3.49	39.11	3.64
	70.0	16.98	2.81	20.63	2.95	24.28	3.09	27.92	3.23	32.30	3.40	35.22	3.51	38.87	3.65
	71.6	16.78	2.83	20.43	2.97	24.08	3.11	27.73	3.25	32.10	3.41	35.02	3.53	38.67	3.67
	75.2	16.34	2.86	19.98	3.00	23.63	3.14	27.28	3.28	31.66	3.44	34.57	3.56	38.22	3.70
CTXS07L + CTXS07L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40
CTXS07L + CTXS07L + CDXS15L	60.8	18.40	2.66	22.11	2.80	25.81	2.93	29.51	3.07	33.96	3.23	36.92	3.34	40.62	3.48
	64.4	17.95	2.69	21.65	2.83	25.36	2.96	29.06	3.10	33.50	3.26	36.47	3.37	40.17	3.51
	68.0	17.50	2.72	21.20	2.86	24.90	2.99	28.61	3.13	33.05	3.29	36.01	3.40	39.72	3.54
	70.0	17.24	2.74	20.95	2.87	24.65	3.01	28.36	3.15	32.80	3.31	35.76	3.42	39.47	3.56
	71.6	17.04	2.75	20.75	2.89	24.45	3.02	28.15	3.16	32.60	3.32	35.56	3.43	39.27	3.57
	75.2	16.59	2.78	20.29	2.92	24.00	3.05	27.70	3.19	32.15	3.35	35.11	3.46	38.81	3.60
CTXS07L + CTXS07L + FTXS18L	60.8	18.96	2.54	22.78	2.67	26.60	2.80	30.41	2.93	34.99	3.09	38.05	3.19	41.86	3.32
	64.4	18.50	2.57	22.31	2.70	26.13	2.83	29.95	2.96	34.53	3.12	37.58	3.22	41.40	3.35
	68.0	18.03	2.60	21.85	2.73	25.66	2.86	29.48	2.99	34.06	3.14	37.11	3.25	40.93	3.38
	70.0	17.77	2.61	21.59	2.74	25.40	2.87	29.22	3.00	33.80	3.16	36.85	3.26	40.67	3.39
	71.6	17.56	2.63	21.38	2.76	25.20	2.89	29.01	3.02	33.59	3.17	36.65	3.28	40.46	3.41
	75.2	17.10	2.65	20.91	2.78	24.73	2.91	28.55	3.04	33.13	3.20	36.18	3.31	40.00	3.44
CTXS07L + CTXS07L + CDXS18L	60.8	18.68	2.71	22.44	2.85	26.20	2.99	29.96	3.13	34.47	3.29	37.48	3.40	41.24	3.54
	64.4	18.22	2.74	21.98	2.88	25.74	3.02	29.50	3.16	34.02	3.32	37.02	3.43	40.78	3.57
	68.0	17.76	2.77	21.52	2.91	25.28	3.05	29.04	3.19	33.56	3.35	36.56	3.46	40.32	3.60
	70.0	17.51	2.79	21.27	2.93	25.03	3.06	28.79	3.20	33.30	3.37	36.31	3.48	40.07	3.62
	71.6	17.30	2.80	21.06	2.94	24.82	3.08	28.58	3.22	33.10	3.38	36.10	3.49	39.86	3.63
	75.2	16.84	2.83	20.60	2.97	24.36	3.11	28.12	3.25	32.64	3.41	35.64	3.52	39.40	3.66
CTXS07L + CTXS09H + CTXS09H	60.8	17.84	2.43	21.43	2.55	25.02	2.68	28.61	2.80	32.92	2.95	35.79	3.05	39.39	3.17
	64.4	17.40	2.46	20.99	2.58	24.58	2.70	28.17	2.83	32.48	2.98	35.36	3.08	38.95	3.20
	68.0	16.96	2.48	20.55	2.61	24.14	2.73	27.73	2.86	32.04	3.00	34.92	3.10	38.51	3.23
	70.0	16.72	2.50	20.31	2.62	23.90	2.75	27.49	2.87	31.80	3.02	34.67	3.12	38.26	3.24
	71.6	16.52	2.51	20.11	2.63	23.71	2.76	27.30	2.88	31.60	3.03	34.48	3.13	38.07	3.26
	75.2	16.08	2.54	19.68	2.66	23.27	2.79	26.86	2.91	31.17	3.06	34.04	3.16	37.63	3.28

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS07L + CTXS09H + FDXS09L	60.8	17.73	2.55	21.30	2.68	24.86	2.81	28.43	2.94	32.72	3.10	35.57	3.20	39.14	3.33
	64.4	17.29	2.58	20.86	2.71	24.43	2.84	28.00	2.97	32.28	3.13	35.13	3.23	38.70	3.36
	68.0	16.86	2.61	20.42	2.74	23.99	2.87	27.56	3.00	31.84	3.15	34.70	3.26	38.27	3.39
	70.0	16.61	2.62	20.18	2.75	23.75	2.88	27.32	3.01	31.60	3.17	34.45	3.27	38.02	3.40
	71.6	16.42	2.63	19.99	2.76	23.56	2.90	27.12	3.03	31.41	3.18	34.26	3.29	37.83	3.42
	75.2	15.98	2.66	19.55	2.79	23.12	2.92	26.69	3.05	30.97	3.21	33.82	3.32	37.39	3.45
CTXS07L + CTXS09L + FDXS09L	60.8	17.56	2.69	21.09	2.82	24.63	2.96	28.16	3.10	32.40	3.26	35.23	3.37	38.77	3.51
	64.4	17.13	2.72	20.66	2.85	24.20	2.99	27.73	3.13	31.97	3.29	34.80	3.40	38.33	3.54
	68.0	16.70	2.75	20.23	2.88	23.76	3.02	27.30	3.16	31.54	3.32	34.37	3.43	37.90	3.57
	70.0	16.46	2.76	19.99	2.90	23.52	3.04	27.06	3.17	31.30	3.34	34.13	3.45	37.66	3.59
	71.6	16.26	2.78	19.80	2.91	23.33	3.05	26.87	3.19	31.11	3.35	33.94	3.46	37.47	3.60
	75.2	15.83	2.81	19.37	2.94	22.90	3.08	26.43	3.22	30.68	3.38	33.50	3.49	37.04	3.63
CTXS07L + CTXS09H + FTXS12L	60.8	18.63	2.69	22.38	2.83	26.12	2.97	29.87	3.11	34.37	3.27	37.37	3.38	41.12	3.52
	64.4	18.17	2.72	21.92	2.86	25.67	3.00	29.41	3.14	33.91	3.30	36.91	3.41	40.66	3.55
	68.0	17.71	2.75	21.46	2.89	25.21	3.03	28.96	3.17	33.45	3.33	36.45	3.44	40.20	3.58
	70.0	17.45	2.77	21.20	2.91	24.95	3.05	28.70	3.18	33.20	3.35	36.20	3.46	39.95	3.60
	71.6	17.25	2.78	21.00	2.92	24.75	3.06	28.50	3.20	33.00	3.36	36.00	3.47	39.74	3.61
	75.2	16.79	2.81	20.54	2.95	24.29	3.09	28.04	3.23	32.54	3.39	35.54	3.50	39.29	3.64
CTXS07L + CTXS09H + FDXS12L	60.8	18.29	2.77	21.97	2.92	25.65	3.06	29.33	3.20	33.75	3.37	36.70	3.48	40.38	3.63
	64.4	17.84	2.80	21.52	2.95	25.20	3.09	28.88	3.23	33.30	3.40	36.25	3.52	39.93	3.66
	68.0	17.39	2.84	21.07	2.98	24.75	3.12	28.43	3.26	32.85	3.43	35.79	3.55	39.48	3.69
	70.0	17.14	2.85	20.82	3.00	24.50	3.14	28.18	3.28	32.60	3.45	35.54	3.56	39.23	3.71
	71.6	16.94	2.87	20.62	3.01	24.30	3.15	27.98	3.29	32.40	3.46	35.34	3.58	39.03	3.72
	75.2	16.49	2.90	20.17	3.04	23.85	3.18	27.53	3.32	31.95	3.49	34.89	3.61	38.58	3.75
CTXS07L + FDXS09L + FTXS12L	60.8	18.29	2.77	21.97	2.92	25.65	3.06	29.33	3.20	33.75	3.37	36.70	3.48	40.38	3.63
	64.4	17.84	2.80	21.52	2.95	25.20	3.09	28.88	3.23	33.30	3.40	36.25	3.52	39.93	3.66
	68.0	17.39	2.84	21.07	2.98	24.75	3.12	28.43	3.26	32.85	3.43	35.79	3.55	39.48	3.69
	70.0	17.14	2.85	20.82	3.00	24.50	3.14	28.18	3.28	32.60	3.45	35.54	3.56	39.23	3.71
	71.6	16.94	2.87	20.62	3.01	24.30	3.15	27.98	3.29	32.40	3.46	35.34	3.58	39.03	3.72
	75.2	16.49	2.90	20.17	3.04	23.85	3.18	27.53	3.32	31.95	3.49	34.89	3.61	38.58	3.75
CTXS07L + FDXS09L + FDXS12L	60.8	18.01	2.92	21.63	3.07	25.26	3.22	28.88	3.37	33.23	3.55	36.13	3.67	39.76	3.82
	64.4	17.57	2.95	21.19	3.10	24.82	3.25	28.44	3.40	32.79	3.58	35.69	3.70	39.31	3.85
	68.0	17.12	2.98	20.75	3.13	24.37	3.28	28.00	3.43	32.35	3.61	35.25	3.73	38.87	3.88
	70.0	16.88	3.00	20.50	3.15	24.13	3.30	27.75	3.45	32.10	3.63	35.00	3.75	38.62	3.90
	71.6	16.68	3.02	20.30	3.17	23.93	3.32	27.55	3.47	31.90	3.64	34.80	3.76	38.43	3.91
	75.2	16.24	3.05	19.86	3.20	23.49	3.35	27.11	3.50	31.46	3.68	34.36	3.80	37.98	3.95
CTXS07L + CTXS09H + FTXS15L	60.8	18.91	2.56	22.71	2.69	26.52	2.82	30.32	2.95	34.89	3.11	37.93	3.21	41.74	3.34
	64.4	18.44	2.59	22.25	2.72	26.05	2.85	29.86	2.98	34.42	3.14	37.47	3.24	41.27	3.37
	68.0	17.98	2.61	21.78	2.75	25.59	2.88	29.39	3.01	33.96	3.16	37.00	3.27	40.81	3.40
	70.0	17.72	2.63	21.52	2.76	25.33	2.89	29.13	3.02	33.70	3.18	36.74	3.28	40.55	3.42
	71.6	17.51	2.64	21.32	2.77	25.12	2.90	28.93	3.04	33.49	3.19	36.54	3.30	40.34	3.43
	75.2	17.05	2.67	20.85	2.80	24.66	2.93	28.46	3.06	33.03	3.22	36.07	3.33	39.88	3.46
CTXS07L + CTXS09H + CDXS15L	60.8	18.57	2.71	22.31	2.85	26.05	2.99	29.78	3.13	34.27	3.29	37.26	3.40	41.00	3.54
	64.4	18.11	2.74	21.85	2.88	25.59	3.02	29.33	3.16	33.81	3.32	36.80	3.43	40.54	3.57
	68.0	17.66	2.77	21.39	2.91	25.13	3.05	28.87	3.19	33.35	3.35	36.34	3.46	40.08	3.60
	70.0	17.40	2.79	21.14	2.93	24.88	3.06	28.61	3.20	33.10	3.37	36.09	3.48	39.83	3.62
	71.6	17.20	2.80	20.94	2.94	24.67	3.08	28.41	3.22	32.90	3.38	35.89	3.49	39.62	3.63
	75.2	16.74	2.83	20.48	2.97	24.22	3.11	27.95	3.25	32.44	3.41	35.43	3.52	39.17	3.66

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L + FTXS15L	60.8	18.57	2.61	22.31	2.75	26.05	2.88	29.78	3.01	34.27	3.18	37.26	3.28	41.00	3.42
	64.4	18.11	2.64	21.85	2.78	25.59	2.91	29.33	3.04	33.81	3.20	36.80	3.31	40.54	3.45
	68.0	17.66	2.67	21.39	2.81	25.13	2.94	28.87	3.07	33.35	3.23	36.34	3.34	40.08	3.47
	70.0	17.40	2.69	21.14	2.82	24.88	2.96	28.61	3.09	33.10	3.25	36.09	3.36	39.83	3.49
	71.6	17.20	2.70	20.94	2.83	24.67	2.97	28.41	3.10	32.90	3.26	35.89	3.37	39.62	3.50
	75.2	16.74	2.73	20.48	2.86	24.22	3.00	27.95	3.13	32.44	3.29	35.43	3.40	39.17	3.53
CTXS07L + FDXS09L + CDXS15L	60.8	18.29	2.78	21.97	2.92	25.65	3.07	29.33	3.21	33.75	3.38	36.70	3.49	40.38	3.64
	64.4	17.84	2.81	21.52	2.96	25.20	3.10	28.88	3.24	33.30	3.41	36.25	3.53	39.93	3.67
	68.0	17.39	2.84	21.07	2.99	24.75	3.13	28.43	3.27	32.85	3.44	35.79	3.56	39.48	3.70
	70.0	17.14	2.86	20.82	3.00	24.50	3.15	28.18	3.29	32.60	3.46	35.54	3.57	39.23	3.72
	71.6	16.94	2.88	20.62	3.02	24.30	3.16	27.98	3.30	32.40	3.47	35.34	3.59	39.03	3.73
	75.2	16.49	2.91	20.17	3.05	23.85	3.19	27.53	3.33	31.95	3.51	34.89	3.62	38.58	3.76
CTXS07L + CTXS09H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS07L + CTXS09H + CDXS18L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS07L + FDXS09L + FTXS18L	60.8	18.85	2.63	22.64	2.76	26.44	2.90	30.23	3.03	34.79	3.19	37.82	3.30	41.61	3.44
	64.4	18.39	2.66	22.18	2.79	25.97	2.93	29.77	3.06	34.32	3.22	37.36	3.33	41.15	3.47
	68.0	17.92	2.69	21.72	2.82	25.51	2.96	29.30	3.09	33.86	3.25	36.89	3.36	40.69	3.50
	70.0	17.66	2.70	21.46	2.84	25.25	2.97	29.05	3.11	33.60	3.27	36.64	3.38	40.43	3.51
	71.6	17.46	2.72	21.25	2.85	25.05	2.99	28.84	3.12	33.39	3.28	36.43	3.39	40.22	3.53
	75.2	16.99	2.75	20.79	2.88	24.58	3.02	28.38	3.15	32.93	3.31	35.97	3.42	39.76	3.55
CTXS07L + FDXS09L + CDXS18L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88
CTXS07L + FTXS12L + FTXS12L	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
CTXS07L + FTXS12L + FDXS12L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
CTXS07L + FTXS12L + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58
CTXS07L + FTXS12L + CDXS15L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS07L + FDXS12L + FTXS15L	60.8	18.85	2.70	22.64	2.84	26.44	2.98	30.23	3.12	34.79	3.28	37.82	3.39	41.61	3.53
	64.4	18.39	2.73	22.18	2.87	25.97	3.01	29.77	3.15	34.32	3.31	37.36	3.42	41.15	3.56
	68.0	17.92	2.76	21.72	2.90	25.51	3.04	29.30	3.18	33.86	3.34	36.89	3.45	40.69	3.59
	70.0	17.66	2.78	21.46	2.92	25.25	3.06	29.05	3.19	33.60	3.36	36.64	3.47	40.43	3.61
	71.6	17.46	2.79	21.25	2.93	25.05	3.07	28.84	3.21	33.39	3.37	36.43	3.48	40.22	3.62
	75.2	16.99	2.82	20.79	2.96	24.58	3.10	28.38	3.24	32.93	3.40	35.97	3.51	39.76	3.65
CTXS07L + FDXS12L + CDXS15L	60.8	18.57	2.87	22.31	3.02	26.05	3.16	29.78	3.31	34.27	3.49	37.26	3.61	41.00	3.75
	64.4	18.11	2.90	21.85	3.05	25.59	3.20	29.33	3.34	33.81	3.52	36.80	3.64	40.54	3.78
	68.0	17.66	2.93	21.39	3.08	25.13	3.23	28.87	3.38	33.35	3.55	36.34	3.67	40.08	3.82
	70.0	17.40	2.95	21.14	3.10	24.88	3.25	28.61	3.39	33.10	3.57	36.09	3.69	39.83	3.83
	71.6	17.20	2.97	20.94	3.11	24.67	3.26	28.41	3.41	32.90	3.58	35.89	3.70	39.62	3.85
	75.2	16.74	3.00	20.48	3.15	24.22	3.29	27.95	3.44	32.44	3.62	35.43	3.73	39.17	3.88
CTXS07L + FTXS12L + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS07L + FTXS12L + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS07L + FDXS12L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS12L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
CTXS07L + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
CTXS07L + FTXS15L + CDXS15L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS07L + CDXS15L + CDXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
CTXS07L + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + FTXS15L + CDXS18L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS07L + CDXS15L + FTXS18L	60.8	19.02	2.66	22.85	2.80	26.67	2.93	30.50	3.07	35.10	3.23	38.16	3.34	41.99	3.48
	64.4	18.55	2.69	22.38	2.83	26.21	2.96	30.03	3.10	34.63	3.26	37.69	3.37	41.52	3.51
	68.0	18.08	2.72	21.91	2.86	25.74	2.99	29.57	3.13	34.16	3.29	37.22	3.40	41.05	3.54
	70.0	17.82	2.74	21.65	2.87	25.48	3.01	29.31	3.15	33.90	3.31	36.96	3.42	40.79	3.56
	71.6	17.61	2.75	21.44	2.89	25.27	3.02	29.10	3.16	33.69	3.32	36.75	3.43	40.58	3.57
	75.2	17.15	2.78	20.97	2.92	24.80	3.05	28.63	3.19	33.22	3.35	36.29	3.46	40.11	3.60
CTXS07L + CDXS15L + CDXS18L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FTXS18L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + FTXS18L + CDXS18L	60.8	19.02	2.66	22.85	2.80	26.67	2.93	30.50	3.07	35.10	3.23	38.16	3.34	41.99	3.48
	64.4	18.55	2.69	22.38	2.83	26.21	2.96	30.03	3.10	34.63	3.26	37.69	3.37	41.52	3.51
	68.0	18.08	2.72	21.91	2.86	25.74	2.99	29.57	3.13	34.16	3.29	37.22	3.40	41.05	3.54
	70.0	17.82	2.74	21.65	2.87	25.48	3.01	29.31	3.15	33.90	3.31	36.96	3.42	40.79	3.56
	71.6	17.61	2.75	21.44	2.89	25.27	3.02	29.10	3.16	33.69	3.32	36.75	3.43	40.58	3.57
	75.2	17.15	2.78	20.97	2.92	24.80	3.05	28.63	3.19	33.22	3.35	36.29	3.46	40.11	3.60
CTXS07L + CDXS18L + CDXS18L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
CTXS09H + CTXS09H + CTXS09H	60.8	18.51	2.65	22.24	2.79	25.97	2.93	29.69	3.06	34.16	3.22	37.15	3.33	40.87	3.47
	64.4	18.06	2.68	21.78	2.82	25.51	2.95	29.24	3.09	33.71	3.25	36.69	3.36	40.42	3.50
	68.0	17.60	2.71	21.33	2.85	25.06	2.98	28.78	3.12	33.25	3.28	36.23	3.39	39.96	3.53
	70.0	17.35	2.73	21.08	2.87	24.80	3.00	28.53	3.14	33.00	3.30	35.98	3.41	39.71	3.54
	71.6	17.15	2.74	20.87	2.88	24.60	3.01	28.33	3.15	32.80	3.31	35.78	3.42	39.50	3.56
	75.2	16.69	2.77	20.42	2.91	24.14	3.04	27.87	3.18	32.34	3.34	35.32	3.45	39.05	3.59
CTXS09H + CTXS09H + FDXS09L	60.8	18.23	2.73	21.90	2.87	25.57	3.01	29.24	3.15	33.65	3.32	36.58	3.43	40.25	3.57
	64.4	17.78	2.76	21.45	2.90	25.12	3.04	28.79	3.18	33.20	3.35	36.13	3.46	39.80	3.60
	68.0	17.34	2.79	21.01	2.93	24.68	3.07	28.35	3.21	32.75	3.38	35.69	3.49	39.36	3.64
	70.0	17.09	2.81	20.76	2.95	24.43	3.09	28.10	3.23	32.50	3.40	35.44	3.51	39.11	3.65
	71.6	16.89	2.83	20.56	2.97	24.23	3.11	27.90	3.25	32.30	3.41	35.24	3.53	38.91	3.67
	75.2	16.44	2.86	20.11	3.00	23.78	3.14	27.45	3.28	31.85	3.44	34.79	3.56	38.46	3.70
CTXS09H + FDXS09L + FDXS09L	60.8	17.90	2.82	21.50	2.97	25.10	3.11	28.70	3.26	33.03	3.43	35.91	3.54	39.51	3.69
	64.4	17.46	2.85	21.06	3.00	24.66	3.14	28.26	3.29	32.59	3.46	35.47	3.58	39.07	3.72
	68.0	17.02	2.89	20.62	3.03	24.22	3.17	27.82	3.32	32.14	3.49	35.03	3.61	38.63	3.75
	70.0	16.77	2.90	20.37	3.05	23.98	3.19	27.58	3.34	31.90	3.51	34.78	3.63	38.38	3.77
	71.6	16.58	2.92	20.18	3.06	23.78	3.21	27.38	3.35	31.70	3.52	34.59	3.64	38.19	3.78
	75.2	16.14	2.95	19.74	3.09	23.34	3.24	26.94	3.38	31.26	3.56	34.15	3.67	37.75	3.82
FDXS09L + FDXS09L + FDXS09L	60.8	17.62	2.93	21.16	3.08	24.71	3.24	28.25	3.39	32.51	3.57	35.34	3.69	38.89	3.84
	64.4	17.18	2.97	20.73	3.12	24.27	3.27	27.82	3.42	32.07	3.60	34.91	3.72	38.46	3.87
	68.0	16.75	3.00	20.29	3.15	23.84	3.30	27.39	3.45	31.64	3.63	34.48	3.75	38.02	3.90
	70.0	16.51	3.02	20.05	3.17	23.60	3.32	27.15	3.47	31.40	3.65	34.24	3.77	37.78	3.92
	71.6	16.32	3.03	19.86	3.18	23.41	3.33	26.95	3.48	31.21	3.66	34.04	3.78	37.59	3.94
	75.2	15.88	3.07	19.43	3.22	22.97	3.37	26.52	3.52	30.77	3.70	33.61	3.82	37.16	3.97
CTXS09H + CTXS09H + FTXS12L	60.8	18.79	2.74	22.58	2.88	26.36	3.02	30.14	3.16	34.68	3.33	37.71	3.44	41.49	3.58
	64.4	18.33	2.77	22.11	2.91	25.90	3.05	29.68	3.19	34.22	3.36	37.25	3.47	41.03	3.61
	68.0	17.87	2.80	21.65	2.94	25.43	3.08	29.22	3.22	33.76	3.39	36.78	3.51	40.57	3.65
	70.0	17.61	2.82	21.40	2.96	25.18	3.10	28.96	3.24	33.50	3.41	36.53	3.52	40.31	3.66
	71.6	17.41	2.83	21.19	2.97	24.97	3.11	28.76	3.26	33.29	3.42	36.32	3.54	40.10	3.68
	75.2	16.94	2.86	20.73	3.01	24.51	3.15	28.29	3.29	32.83	3.45	35.86	3.57	39.64	3.71

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CTXS09H + FDXS12L	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
CTXS09H + FDXS09L + FTXS12L	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
CTXS09H + FDXS09L + FDXS12L	60.8	18.18	2.92	21.84	3.07	25.49	3.22	29.15	3.37	33.54	3.55	36.47	3.67	40.13	3.82
	64.4	17.73	2.95	21.39	3.10	25.05	3.25	28.71	3.40	33.10	3.58	36.02	3.70	39.68	3.85
	68.0	17.28	2.98	20.94	3.13	24.60	3.28	28.26	3.43	32.65	3.61	35.58	3.73	39.23	3.88
	70.0	17.03	3.00	20.69	3.15	24.35	3.30	28.01	3.45	32.40	3.63	35.33	3.75	38.99	3.90
	71.6	16.84	3.02	20.49	3.17	24.15	3.32	27.81	3.47	32.20	3.64	35.13	3.76	38.79	3.91
	75.2	16.39	3.05	20.05	3.20	23.71	3.35	27.36	3.50	31.75	3.68	34.68	3.80	38.34	3.95
FDXS09L + FDXS09L + FTXS12L	60.8	18.18	2.92	21.84	3.07	25.49	3.22	29.15	3.37	33.54	3.55	36.47	3.67	40.13	3.82
	64.4	17.73	2.95	21.39	3.10	25.05	3.25	28.71	3.40	33.10	3.58	36.02	3.70	39.68	3.85
	68.0	17.28	2.98	20.94	3.13	24.60	3.28	28.26	3.43	32.65	3.61	35.58	3.73	39.23	3.88
	70.0	17.03	3.00	20.69	3.15	24.35	3.30	28.01	3.45	32.40	3.63	35.33	3.75	38.99	3.90
	71.6	16.84	3.02	20.49	3.17	24.15	3.32	27.81	3.47	32.20	3.64	35.13	3.76	38.79	3.91
	75.2	16.39	3.05	20.05	3.20	23.71	3.35	27.36	3.50	31.75	3.68	34.68	3.80	38.34	3.95
FDXS09L + FDXS09L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
CTXS09H + CTXS09H + FTXS15L	60.8	19.07	2.65	22.91	2.78	26.75	2.92	30.59	3.05	35.20	3.21	38.27	3.32	42.11	3.46
	64.4	18.61	2.67	22.44	2.81	26.28	2.95	30.12	3.08	34.73	3.24	37.80	3.35	41.64	3.49
	68.0	18.14	2.70	21.98	2.84	25.81	2.98	29.65	3.11	34.26	3.27	37.33	3.38	41.17	3.52
	70.0	17.88	2.72	21.71	2.86	25.55	2.99	29.39	3.13	34.00	3.29	37.07	3.40	40.91	3.53
	71.6	17.67	2.73	21.51	2.87	25.35	3.01	29.18	3.14	33.79	3.30	36.86	3.41	40.70	3.55
	75.2	17.20	2.76	21.04	2.90	24.88	3.03	28.71	3.17	33.32	3.33	36.39	3.44	40.23	3.58
CTXS09H + CTXS09H + CDXS15L	60.8	18.74	2.75	22.51	2.89	26.28	3.03	30.05	3.17	34.58	3.34	37.60	3.45	41.37	3.59
	64.4	18.28	2.78	22.05	2.92	25.82	3.06	29.59	3.20	34.12	3.37	37.13	3.48	40.91	3.63
	68.0	17.82	2.81	21.59	2.95	25.36	3.09	29.13	3.23	33.66	3.40	36.67	3.52	40.44	3.66
	70.0	17.56	2.83	21.33	2.97	25.10	3.11	28.87	3.25	33.40	3.42	36.42	3.53	40.19	3.67
	71.6	17.35	2.84	21.13	2.98	24.90	3.12	28.67	3.26	33.20	3.43	36.21	3.55	39.98	3.69
	75.2	16.89	2.87	20.67	3.01	24.44	3.15	28.21	3.30	32.73	3.46	35.75	3.58	39.52	3.72
CTXS09H + FDXS09L + FTXS15L	60.8	18.74	2.65	22.51	2.79	26.28	2.93	30.05	3.06	34.58	3.22	37.60	3.33	41.37	3.47
	64.4	18.28	2.68	22.05	2.82	25.82	2.95	29.59	3.09	34.12	3.25	37.13	3.36	40.91	3.50
	68.0	17.82	2.71	21.59	2.85	25.36	2.98	29.13	3.12	33.66	3.28	36.67	3.39	40.44	3.53
	70.0	17.56	2.73	21.33	2.87	25.10	3.00	28.87	3.14	33.40	3.30	36.42	3.41	40.19	3.54
	71.6	17.35	2.74	21.13	2.88	24.90	3.01	28.67	3.15	33.20	3.31	36.21	3.42	39.98	3.56
	75.2	16.89	2.77	20.67	2.91	24.44	3.04	28.21	3.18	32.73	3.34	35.75	3.45	39.52	3.59



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + FDXS09L + CDXS15L	60.8	18.46	2.82	22.17	2.97	25.89	3.11	29.60	3.26	34.06	3.43	37.03	3.54	40.75	3.69
	64.4	18.00	2.85	21.72	3.00	25.43	3.14	29.15	3.29	33.61	3.46	36.58	3.58	40.29	3.72
	68.0	17.55	2.89	21.26	3.03	24.98	3.17	28.69	3.32	33.15	3.49	36.12	3.61	39.84	3.75
	70.0	17.30	2.90	21.01	3.05	24.73	3.19	28.44	3.34	32.90	3.51	35.87	3.63	39.59	3.77
	71.6	17.10	2.92	20.81	3.06	24.53	3.21	28.24	3.35	32.70	3.52	35.67	3.64	39.39	3.78
	75.2	16.64	2.95	20.36	3.09	24.07	3.24	27.79	3.38	32.24	3.56	35.22	3.67	38.93	3.82
FDXS09L + FDXS09L + FTXS15L	60.8	18.46	2.73	22.17	2.87	25.89	3.00	29.60	3.14	34.06	3.31	37.03	3.42	40.75	3.56
	64.4	18.00	2.76	21.72	2.90	25.43	3.04	29.15	3.17	33.61	3.34	36.58	3.45	40.29	3.59
	68.0	17.55	2.79	21.26	2.93	24.98	3.07	28.69	3.21	33.15	3.37	36.12	3.48	39.84	3.62
	70.0	17.30	2.80	21.01	2.94	24.73	3.08	28.44	3.22	32.90	3.39	35.87	3.50	39.59	3.64
	71.6	17.10	2.82	20.81	2.96	24.53	3.10	28.24	3.24	32.70	3.40	35.67	3.52	39.39	3.65
	75.2	16.64	2.85	20.36	2.99	24.07	3.13	27.79	3.27	32.24	3.43	35.22	3.55	38.93	3.69
FDXS09L + FDXS09L + CDXS15L	60.8	18.12	2.91	21.77	3.06	25.42	3.21	29.06	3.36	33.44	3.54	36.36	3.66	40.00	3.80
	64.4	17.68	2.94	21.32	3.09	24.97	3.24	28.62	3.39	32.99	3.57	35.91	3.69	39.56	3.84
	68.0	17.23	2.98	20.88	3.12	24.52	3.27	28.17	3.42	32.55	3.60	35.47	3.72	39.11	3.87
	70.0	16.98	2.99	20.63	3.14	24.28	3.29	27.92	3.44	32.30	3.62	35.22	3.74	38.87	3.89
	71.6	16.78	3.01	20.43	3.16	24.08	3.31	27.73	3.46	32.10	3.63	35.02	3.75	38.67	3.90
	75.2	16.34	3.04	19.98	3.19	23.63	3.34	27.28	3.49	31.66	3.67	34.57	3.79	38.22	3.94
CTXS09H + CTXS09H + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
CTXS09H + CTXS09H + CDXS18L	60.8	18.85	2.80	22.64	2.94	26.44	3.08	30.23	3.23	34.79	3.40	37.82	3.51	41.61	3.66
	64.4	18.39	2.83	22.18	2.97	25.97	3.12	29.77	3.26	34.32	3.43	37.36	3.55	41.15	3.69
	68.0	17.92	2.86	21.72	3.00	25.51	3.15	29.30	3.29	33.86	3.46	36.89	3.58	40.69	3.72
	70.0	17.66	2.88	21.46	3.02	25.25	3.16	29.05	3.31	33.60	3.48	36.64	3.59	40.43	3.74
	71.6	17.46	2.89	21.25	3.04	25.05	3.18	28.84	3.32	33.39	3.49	36.43	3.61	40.22	3.75
	75.2	16.99	2.92	20.79	3.07	24.58	3.21	28.38	3.35	32.93	3.53	35.97	3.64	39.76	3.78
CTXS09H + FDXS09L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
CTXS09H + FDXS09L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS09L + FTXS18L	60.8	18.74	2.79	22.51	2.93	26.28	3.08	30.05	3.22	34.58	3.39	37.60	3.50	41.37	3.65
	64.4	18.28	2.82	22.05	2.96	25.82	3.11	29.59	3.25	34.12	3.42	37.13	3.54	40.91	3.68
	68.0	17.82	2.85	21.59	3.00	25.36	3.14	29.13	3.28	33.66	3.45	36.67	3.57	40.44	3.71
	70.0	17.56	2.87	21.33	3.01	25.10	3.16	28.87	3.30	33.40	3.47	36.42	3.58	40.19	3.73
	71.6	17.35	2.88	21.13	3.03	24.90	3.17	28.67	3.31	33.20	3.48	36.21	3.60	39.98	3.74
	75.2	16.89	2.92	20.67	3.06	24.44	3.20	28.21	3.34	32.73	3.52	35.75	3.63	39.52	3.77

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CDXS18L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + FTXS12L + FTXS12L	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
CTXS09H + FTXS12L + FDXS12L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
CTXS09H + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS09L + FTXS12L + FTXS12L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FTXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS09L + FDXS12L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
CTXS09H + FTXS12L + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS12L + CDXS15L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS09H + FDXS12L + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
CTXS09H + FDXS12L + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FTXS12L + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
FDXS09L + FTXS12L + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS12L + FTXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS09L + FDXS12L + CDXS15L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + FTXS12L + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS12L + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
CTXS09H + FDXS12L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
CTXS09H + FDXS12L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FTXS12L + FTXS18L	60.8	19.02	2.72	22.85	2.86	26.67	3.00	30.50	3.14	35.10	3.30	38.16	3.41	41.99	3.55
	64.4	18.55	2.75	22.38	2.89	26.21	3.03	30.03	3.17	34.63	3.33	37.69	3.44	41.52	3.58
	68.0	18.08	2.78	21.91	2.92	25.74	3.06	29.57	3.20	34.16	3.36	37.22	3.47	41.05	3.61
	70.0	17.82	2.80	21.65	2.93	25.48	3.07	29.31	3.21	33.90	3.38	36.96	3.49	40.79	3.63
	71.6	17.61	2.81	21.44	2.95	25.27	3.09	29.10	3.23	33.69	3.39	36.75	3.50	40.58	3.64
	75.2	17.15	2.84	20.97	2.98	24.80	3.12	28.63	3.26	33.22	3.42	36.29	3.54	40.11	3.67
FDXS09L + FTXS12L + CDXS18L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS09L + FDXS12L + FTXS18L	60.8	18.74	2.79	22.51	2.93	26.28	3.08	30.05	3.22	34.58	3.39	37.60	3.50	41.37	3.65
	64.4	18.28	2.82	22.05	2.96	25.82	3.11	29.59	3.25	34.12	3.42	37.13	3.54	40.91	3.68
	68.0	17.82	2.85	21.59	3.00	25.36	3.14	29.13	3.28	33.66	3.45	36.67	3.57	40.44	3.71
	70.0	17.56	2.87	21.33	3.01	25.10	3.16	28.87	3.30	33.40	3.47	36.42	3.58	40.19	3.73
	71.6	17.35	2.88	21.13	3.03	24.90	3.17	28.67	3.31	33.20	3.48	36.21	3.60	39.98	3.74
	75.2	16.89	2.92	20.67	3.06	24.44	3.20	28.21	3.34	32.73	3.52	35.75	3.63	39.52	3.77
FDXS09L + FDXS12L + CDXS18L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
CTXS09H + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FTXS15L + CDXS15L	60.8	19.02	2.68	22.85	2.81	26.67	2.95	30.50	3.09	35.10	3.25	38.16	3.36	41.99	3.50
	64.4	18.55	2.71	22.38	2.84	26.21	2.98	30.03	3.12	34.63	3.28	37.69	3.39	41.52	3.53
	68.0	18.08	2.74	21.91	2.87	25.74	3.01	29.57	3.15	34.16	3.31	37.22	3.42	41.05	3.56
	70.0	17.82	2.75	21.65	2.89	25.48	3.03	29.31	3.17	33.90	3.33	36.96	3.44	40.79	3.58
	71.6	17.61	2.77	21.44	2.90	25.27	3.04	29.10	3.18	33.69	3.34	36.75	3.45	40.58	3.59
	75.2	17.15	2.80	20.97	2.93	24.80	3.07	28.63	3.21	33.22	3.37	36.29	3.48	40.11	3.62
CTXS09H + CDXS15L + CDXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS09L + FTXS15L + FTXS15L	60.8	19.02	2.60	22.85	2.73	26.67	2.86	30.50	3.00	35.10	3.16	38.16	3.26	41.99	3.40
	64.4	18.55	2.63	22.38	2.76	26.21	2.89	30.03	3.03	34.63	3.18	37.69	3.29	41.52	3.42
	68.0	18.08	2.66	21.91	2.79	25.74	2.92	29.57	3.05	34.16	3.21	37.22	3.32	41.05	3.45
	70.0	17.82	2.67	21.65	2.80	25.48	2.94	29.31	3.07	33.90	3.23	36.96	3.34	40.79	3.47
	71.6	17.61	2.68	21.44	2.82	25.27	2.95	29.10	3.08	33.69	3.24	36.75	3.35	40.58	3.48
	75.2	17.15	2.71	20.97	2.85	24.80	2.98	28.63	3.11	33.22	3.27	36.29	3.38	40.11	3.51
FDXS09L + FTXS15L + CDXS15L	60.8	18.74	2.73	22.51	2.87	26.28	3.00	30.05	3.14	34.58	3.31	37.60	3.42	41.37	3.56
	64.4	18.28	2.76	22.05	2.90	25.82	3.04	29.59	3.17	34.12	3.34	37.13	3.45	40.91	3.59
	68.0	17.82	2.79	21.59	2.93	25.36	3.07	29.13	3.21	33.66	3.37	36.67	3.48	40.44	3.62
	70.0	17.56	2.80	21.33	2.94	25.10	3.08	28.87	3.22	33.40	3.39	36.42	3.50	40.19	3.64
	71.6	17.35	2.82	21.13	2.96	24.90	3.10	28.67	3.24	33.20	3.40	36.21	3.52	39.98	3.65
	75.2	16.89	2.85	20.67	2.99	24.44	3.13	28.21	3.27	32.73	3.43	35.75	3.55	39.52	3.69
FDXS09L + CDXS15L + CDXS15L	60.8	18.40	2.83	22.11	2.98	25.81	3.12	29.51	3.27	33.96	3.44	36.92	3.55	40.62	3.70
	64.4	17.95	2.86	21.65	3.01	25.36	3.15	29.06	3.30	33.50	3.47	36.47	3.59	40.17	3.73
	68.0	17.50	2.89	21.20	3.04	24.90	3.18	28.61	3.33	33.05	3.50	36.01	3.62	39.72	3.76
	70.0	17.24	2.91	20.95	3.06	24.65	3.20	28.36	3.35	32.80	3.52	35.76	3.64	39.47	3.78
	71.6	17.04	2.93	20.75	3.07	24.45	3.22	28.15	3.36	32.60	3.53	35.56	3.65	39.27	3.80
	75.2	16.59	2.96	20.29	3.10	24.00	3.25	27.70	3.39	32.15	3.57	35.11	3.68	38.81	3.83
CTXS09H + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + FTXS15L + CDXS18L	60.8	19.07	2.68	22.91	2.81	26.75	2.95	30.59	3.09	35.20	3.25	38.27	3.36	42.11	3.50
	64.4	18.61	2.71	22.44	2.84	26.28	2.98	30.12	3.12	34.73	3.28	37.80	3.39	41.64	3.53
	68.0	18.14	2.74	21.98	2.87	25.81	3.01	29.65	3.15	34.26	3.31	37.33	3.42	41.17	3.56
	70.0	17.88	2.75	21.71	2.89	25.55	3.03	29.39	3.17	34.00	3.33	37.07	3.44	40.91	3.58
	71.6	17.67	2.77	21.51	2.90	25.35	3.04	29.18	3.18	33.79	3.34	36.86	3.45	40.70	3.59
	75.2	17.20	2.80	21.04	2.93	24.88	3.07	28.71	3.21	33.32	3.37	36.39	3.48	40.23	3.62
CTXS09H + CDXS15L + FTXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + CDXS15L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS09L + FTXS15L + FTXS18L	60.8	19.07	2.58	22.91	2.71	26.75	2.85	30.59	2.98	35.20	3.14	38.27	3.24	42.11	3.37
	64.4	18.61	2.61	22.44	2.74	26.28	2.87	30.12	3.01	34.73	3.17	37.80	3.27	41.64	3.40
	68.0	18.14	2.64	21.98	2.77	25.81	2.90	29.65	3.04	34.26	3.19	37.33	3.30	41.17	3.43
	70.0	17.88	2.65	21.71	2.79	25.55	2.92	29.39	3.05	34.00	3.21	37.07	3.32	40.91	3.45
	71.6	17.67	2.67	21.51	2.80	25.35	2.93	29.18	3.06	33.79	3.22	36.86	3.33	40.70	3.46
	75.2	17.20	2.70	21.04	2.83	24.88	2.96	28.71	3.09	33.32	3.25	36.39	3.36	40.23	3.49
FDXS09L + FTXS15L + CDXS18L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69
FDXS09L + CDXS15L + FTXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65
FDXS09L + CDXS15L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS09H + FTXS18L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + FTXS18L + CDXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60
CTXS09H + CDXS18L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FTXS18L + FTXS18L	60.8	19.07	2.56	22.91	2.70	26.75	2.83	30.59	2.96	35.20	3.12	38.27	3.22	42.11	3.35
	64.4	18.61	2.59	22.44	2.72	26.28	2.86	30.12	2.99	34.73	3.15	37.80	3.25	41.64	3.38
	68.0	18.14	2.62	21.98	2.75	25.81	2.89	29.65	3.02	34.26	3.17	37.33	3.28	41.17	3.41
	70.0	17.88	2.64	21.71	2.77	25.55	2.90	29.39	3.03	34.00	3.19	37.07	3.30	40.91	3.43
	71.6	17.67	2.65	21.51	2.78	25.35	2.91	29.18	3.05	33.79	3.20	36.86	3.31	40.70	3.44
	75.2	17.20	2.68	21.04	2.81	24.88	2.94	28.71	3.07	33.32	3.23	36.39	3.34	40.23	3.47
FDXS09L + FTXS18L + CDXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65
FDXS09L + CDXS18L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
FTXS12L + FTXS12L + FTXS12L	60.8	18.91	2.78	22.71	2.92	26.52	3.07	30.32	3.21	34.89	3.38	37.93	3.49	41.74	3.64
	64.4	18.44	2.81	22.25	2.96	26.05	3.10	29.86	3.24	34.42	3.41	37.47	3.53	41.27	3.67
	68.0	17.98	2.84	21.78	2.99	25.59	3.13	29.39	3.27	33.96	3.44	37.00	3.56	40.81	3.70
	70.0	17.72	2.86	21.52	3.00	25.33	3.15	29.13	3.29	33.70	3.46	36.74	3.57	40.55	3.72
	71.6	17.51	2.88	21.32	3.02	25.12	3.16	28.93	3.30	33.49	3.47	36.54	3.59	40.34	3.73
	75.2	17.05	2.91	20.85	3.05	24.66	3.19	28.46	3.33	33.03	3.51	36.07	3.62	39.88	3.76
FTXS12L + FTXS12L + FDXS12L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FTXS12L + FDXS12L + FDXS12L	60.8	18.23	2.92	21.90	3.07	25.57	3.22	29.24	3.37	33.65	3.55	36.58	3.67	40.25	3.82
	64.4	17.78	2.95	21.45	3.10	25.12	3.25	28.79	3.40	33.20	3.58	36.13	3.70	39.80	3.85
	68.0	17.34	2.98	21.01	3.13	24.68	3.28	28.35	3.43	32.75	3.61	35.69	3.73	39.36	3.88
	70.0	17.09	3.00	20.76	3.15	24.43	3.30	28.10	3.45	32.50	3.63	35.44	3.75	39.11	3.90
	71.6	16.89	3.02	20.56	3.17	24.23	3.32	27.90	3.47	32.30	3.64	35.24	3.76	38.91	3.91
	75.2	16.44	3.05	20.11	3.20	23.78	3.35	27.45	3.50	31.85	3.68	34.79	3.80	38.46	3.95
FDXS12L + FDXS12L + FDXS12L	60.8	17.67	2.93	21.23	3.08	24.79	3.24	28.34	3.39	32.61	3.57	35.46	3.69	39.01	3.84
	64.4	17.24	2.97	20.79	3.12	24.35	3.27	27.91	3.42	32.18	3.60	35.02	3.72	38.58	3.87
	68.0	16.80	3.00	20.36	3.15	23.92	3.30	27.47	3.45	31.74	3.63	34.59	3.75	38.14	3.90
	70.0	16.56	3.02	20.12	3.17	23.67	3.32	27.23	3.47	31.50	3.65	34.35	3.77	37.90	3.92
	71.6	16.37	3.03	19.92	3.18	23.48	3.33	27.04	3.48	31.31	3.66	34.15	3.78	37.71	3.94
	75.2	15.93	3.07	19.49	3.22	23.05	3.37	26.60	3.52	30.87	3.70	33.72	3.82	37.27	3.97
FTXS12L + FTXS12L + FTXS15L	60.8	19.19	2.65	23.05	2.78	26.91	2.92	30.77	3.05	35.41	3.21	38.50	3.32	42.36	3.46
	64.4	18.71	2.67	22.58	2.81	26.44	2.95	30.30	3.08	34.93	3.24	38.02	3.35	41.89	3.49
	68.0	18.24	2.70	22.10	2.84	25.97	2.98	29.83	3.11	34.46	3.27	37.55	3.38	41.41	3.52
	70.0	17.98	2.72	21.84	2.86	25.70	2.99	29.57	3.13	34.20	3.29	37.29	3.40	41.15	3.53
	71.6	17.77	2.73	21.63	2.87	25.49	3.01	29.36	3.14	33.99	3.30	37.08	3.41	40.94	3.55
	75.2	17.30	2.76	21.16	2.90	25.02	3.03	28.88	3.17	33.52	3.33	36.61	3.44	40.47	3.58

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS12L + FTXS12L + CDXS15L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
FTXS12L + FDXS12L + FTXS15L	60.8	19.02	2.75	22.85	2.89	26.67	3.03	30.50	3.17	35.10	3.34	38.16	3.45	41.99	3.59
	64.4	18.55	2.78	22.38	2.92	26.21	3.06	30.03	3.20	34.63	3.37	37.69	3.48	41.52	3.63
	68.0	18.08	2.81	21.91	2.95	25.74	3.09	29.57	3.23	34.16	3.40	37.22	3.52	41.05	3.66
	70.0	17.82	2.83	21.65	2.97	25.48	3.11	29.31	3.25	33.90	3.42	36.96	3.53	40.79	3.67
	71.6	17.61	2.84	21.44	2.98	25.27	3.12	29.10	3.26	33.69	3.43	36.75	3.55	40.58	3.69
	75.2	17.15	2.87	20.97	3.01	24.80	3.15	28.63	3.30	33.22	3.46	36.29	3.58	40.11	3.72
FTXS12L + FDXS12L + CDXS15L	60.8	18.74	2.92	22.51	3.07	26.28	3.22	30.05	3.37	34.58	3.55	37.60	3.67	41.37	3.82
	64.4	18.28	2.95	22.05	3.10	25.82	3.25	29.59	3.40	34.12	3.58	37.13	3.70	40.91	3.85
	68.0	17.82	2.98	21.59	3.13	25.36	3.28	29.13	3.43	33.66	3.61	36.67	3.73	40.44	3.88
	70.0	17.56	3.00	21.33	3.15	25.10	3.30	28.87	3.45	33.40	3.63	36.42	3.75	40.19	3.90
	71.6	17.35	3.02	21.13	3.17	24.90	3.32	28.67	3.47	33.20	3.64	36.21	3.76	39.98	3.91
	75.2	16.89	3.05	20.67	3.20	24.44	3.35	28.21	3.50	32.73	3.68	35.75	3.80	39.52	3.95
FDXS12L + FDXS12L + FTXS15L	60.8	18.74	2.81	22.51	2.96	26.28	3.10	30.05	3.25	34.58	3.42	37.60	3.53	41.37	3.68
	64.4	18.28	2.85	22.05	2.99	25.82	3.13	29.59	3.28	34.12	3.45	37.13	3.57	40.91	3.71
	68.0	17.82	2.88	21.59	3.02	25.36	3.17	29.13	3.31	33.66	3.48	36.67	3.60	40.44	3.74
	70.0	17.56	2.89	21.33	3.04	25.10	3.18	28.87	3.33	33.40	3.50	36.42	3.62	40.19	3.76
	71.6	17.35	2.91	21.13	3.05	24.90	3.20	28.67	3.34	33.20	3.51	36.21	3.63	39.98	3.77
	75.2	16.89	2.94	20.67	3.08	24.44	3.23	28.21	3.37	32.73	3.55	35.75	3.66	39.52	3.80
FDXS12L + FDXS12L + CDXS15L	60.8	18.40	3.01	22.11	3.16	25.81	3.32	29.51	3.47	33.96	3.65	36.92	3.78	40.62	3.93
	64.4	17.95	3.04	21.65	3.19	25.36	3.35	29.06	3.50	33.50	3.69	36.47	3.81	40.17	3.96
	68.0	17.50	3.07	21.20	3.23	24.90	3.38	28.61	3.54	33.05	3.72	36.01	3.84	39.66	3.97
	70.0	17.24	3.09	20.95	3.25	24.65	3.40	28.36	3.56	32.80	3.74	35.76	3.86	39.37	3.97
	71.6	17.04	3.11	20.75	3.26	24.45	3.42	28.15	3.57	32.60	3.75	35.56	3.88	39.14	3.97
	75.2	16.59	3.14	20.29	3.30	24.00	3.45	27.70	3.60	32.15	3.79	35.11	3.91	38.64	3.97
FTXS12L + FTXS12L + FTXS18L	60.8	19.19	2.63	23.05	2.76	26.91	2.90	30.77	3.03	35.41	3.19	38.50	3.30	42.36	3.44
	64.4	18.71	2.66	22.58	2.79	26.44	2.93	30.30	3.06	34.93	3.22	38.02	3.33	41.89	3.47
	68.0	18.24	2.69	22.10	2.82	25.97	2.96	29.83	3.09	34.46	3.25	37.55	3.36	41.41	3.50
	70.0	17.98	2.70	21.84	2.84	25.70	2.97	29.57	3.11	34.20	3.27	37.29	3.38	41.15	3.51
	71.6	17.77	2.72	21.63	2.85	25.49	2.99	29.36	3.12	33.99	3.28	37.08	3.39	40.94	3.53
	75.2	17.30	2.75	21.16	2.88	25.02	3.02	28.88	3.15	33.52	3.31	36.61	3.42	40.47	3.55
FTXS12L + FTXS12L + CDXS18L	60.8	19.02	2.84	22.85	2.98	26.67	3.13	30.50	3.27	35.10	3.45	38.16	3.57	41.99	3.71
	64.4	18.55	2.87	22.38	3.02	26.21	3.16	30.03	3.31	34.63	3.48	37.69	3.60	41.52	3.74
	68.0	18.08	2.90	21.91	3.05	25.74	3.19	29.57	3.34	34.16	3.51	37.22	3.63	41.05	3.77
	70.0	17.82	2.92	21.65	3.06	25.48	3.21	29.31	3.36	33.90	3.53	36.96	3.65	40.79	3.79
	71.6	17.61	2.93	21.44	3.08	25.27	3.22	29.10	3.37	33.69	3.54	36.75	3.66	40.58	3.81
	75.2	17.15	2.97	20.97	3.11	24.80	3.26	28.63	3.40	33.22	3.58	36.29	3.69	40.11	3.84
FTXS12L + FDXS12L + FTXS18L	60.8	19.07	2.72	22.91	2.86	26.75	3.00	30.59	3.14	35.20	3.30	38.27	3.41	42.11	3.55
	64.4	18.61	2.75	22.44	2.89	26.28	3.03	30.12	3.17	34.73	3.33	37.80	3.44	41.64	3.58
	68.0	18.14	2.78	21.98	2.92	25.81	3.06	29.65	3.20	34.26	3.36	37.33	3.47	41.17	3.61
	70.0	17.88	2.80	21.71	2.93	25.55	3.07	29.39	3.21	34.00	3.38	37.07	3.49	40.91	3.63
	71.6	17.67	2.81	21.51	2.95	25.35	3.09	29.18	3.23	33.79	3.39	36.86	3.50	40.70	3.64
	75.2	17.20	2.84	21.04	2.98	24.88	3.12	28.71	3.26	33.32	3.42	36.39	3.54	40.23	3.67



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FTXS12L + FDXS12L + CDXS18L	60.8	18.79	2.96	22.58	3.11	26.36	3.26	30.14	3.41	34.68	3.60	37.71	3.72	41.49	3.87
	64.4	18.33	2.99	22.11	3.14	25.90	3.30	29.68	3.45	34.22	3.63	37.25	3.75	41.03	3.90
	68.0	17.87	3.03	21.65	3.18	25.43	3.33	29.22	3.48	33.76	3.66	36.78	3.78	40.57	3.93
	70.0	17.61	3.04	21.40	3.20	25.18	3.35	28.96	3.50	33.50	3.68	36.53	3.80	40.31	3.95
	71.6	17.41	3.06	21.19	3.21	24.97	3.36	28.76	3.51	33.29	3.69	36.32	3.82	40.10	3.97
	75.2	16.94	3.09	20.73	3.24	24.51	3.39	28.29	3.55	32.83	3.73	35.86	3.85	39.58	3.97
FDXS12L + FDXS12L + FTXS18L	60.8	18.79	2.79	22.58	2.93	26.36	3.08	30.14	3.22	34.68	3.39	37.71	3.50	41.49	3.65
	64.4	18.33	2.82	22.11	2.96	25.90	3.11	29.68	3.25	34.22	3.42	37.25	3.54	41.03	3.68
	68.0	17.87	2.85	21.65	3.00	25.43	3.14	29.22	3.28	33.76	3.45	36.78	3.57	40.57	3.71
	70.0	17.61	2.87	21.40	3.01	25.18	3.16	28.96	3.30	33.50	3.47	36.53	3.58	40.31	3.73
	71.6	17.41	2.88	21.19	3.03	24.97	3.17	28.76	3.31	33.29	3.48	36.32	3.60	40.10	3.74
	75.2	16.94	2.92	20.73	3.06	24.51	3.20	28.29	3.34	32.83	3.52	35.86	3.63	39.64	3.77
FDXS12L + FDXS12L + CDXS18L	60.8	18.46	3.01	22.17	3.16	25.89	3.32	29.60	3.47	34.06	3.65	37.03	3.78	40.75	3.93
	64.4	18.00	3.04	21.72	3.19	25.43	3.35	29.15	3.50	33.61	3.69	36.58	3.81	40.29	3.96
	68.0	17.55	3.07	21.26	3.23	24.98	3.38	28.69	3.54	33.15	3.72	36.12	3.84	39.78	3.97
	70.0	17.30	3.09	21.01	3.25	24.73	3.40	28.44	3.56	32.90	3.74	35.87	3.86	39.49	3.97
	71.6	17.10	3.11	20.81	3.26	24.53	3.42	28.24	3.57	32.70	3.75	35.67	3.88	39.26	3.97
	75.2	16.64	3.14	20.36	3.30	24.07	3.45	27.79	3.60	32.24	3.79	35.22	3.91	38.75	3.97
FTXS12L + FTXS15L + FTXS15L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
FTXS12L + FTXS15L + CDXS15L	60.8	19.07	2.72	22.91	2.86	26.75	3.00	30.59	3.14	35.20	3.30	38.27	3.41	42.11	3.55
	64.4	18.61	2.75	22.44	2.89	26.28	3.03	30.12	3.17	34.73	3.33	37.80	3.44	41.64	3.58
	68.0	18.14	2.78	21.98	2.92	25.81	3.06	29.65	3.20	34.26	3.36	37.33	3.47	41.17	3.61
	70.0	17.88	2.80	21.71	2.93	25.55	3.07	29.39	3.21	34.00	3.38	37.07	3.49	40.91	3.63
	71.6	17.67	2.81	21.51	2.95	25.35	3.09	29.18	3.23	33.79	3.39	36.86	3.50	40.70	3.64
	75.2	17.20	2.84	21.04	2.98	24.88	3.12	28.71	3.26	33.32	3.42	36.39	3.54	40.23	3.67
FTXS12L + CDXS15L + CDXS15L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS12L + FTXS15L + FTXS15L	60.8	19.07	2.60	22.91	2.73	26.75	2.86	30.59	3.00	35.20	3.16	38.27	3.26	42.11	3.40
	64.4	18.61	2.63	22.44	2.76	26.28	2.89	30.12	3.03	34.73	3.18	37.80	3.29	41.64	3.42
	68.0	18.14	2.66	21.98	2.79	25.81	2.92	29.65	3.05	34.26	3.21	37.33	3.32	41.17	3.45
	70.0	17.88	2.67	21.71	2.80	25.55	2.94	29.39	3.07	34.00	3.23	37.07	3.34	40.91	3.47
	71.6	17.67	2.68	21.51	2.82	25.35	2.95	29.18	3.08	33.79	3.24	36.86	3.35	40.70	3.48
	75.2	17.20	2.71	21.04	2.85	24.88	2.98	28.71	3.11	33.32	3.27	36.39	3.38	40.23	3.51
FDXS12L + FTXS15L + CDXS15L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + CDXS15L + CDXS15L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
FTXS12L + FTXS15L + FTXS18L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
FTXS12L + FTXS15L + CDXS18L	60.8	19.07	2.68	22.91	2.81	26.75	2.95	30.59	3.09	35.20	3.25	38.27	3.36	42.11	3.50
	64.4	18.61	2.71	22.44	2.84	26.28	2.98	30.12	3.12	34.73	3.28	37.80	3.39	41.64	3.53
	68.0	18.14	2.74	21.98	2.87	25.81	3.01	29.65	3.15	34.26	3.31	37.33	3.42	41.17	3.56
	70.0	17.88	2.75	21.71	2.89	25.55	3.03	29.39	3.17	34.00	3.33	37.07	3.44	40.91	3.58
	71.6	17.67	2.77	21.51	2.90	25.35	3.04	29.18	3.18	33.79	3.34	36.86	3.45	40.70	3.59
	75.2	17.20	2.80	21.04	2.93	24.88	3.07	28.71	3.21	33.32	3.37	36.39	3.48	40.23	3.62
FTXS12L + CDXS15L + FTXS18L	60.8	19.07	2.66	22.91	2.80	26.75	2.93	30.59	3.07	35.20	3.23	38.27	3.34	42.11	3.48
	64.4	18.61	2.69	22.44	2.83	26.28	2.96	30.12	3.10	34.73	3.26	37.80	3.37	41.64	3.51
	68.0	18.14	2.72	21.98	2.86	25.81	2.99	29.65	3.13	34.26	3.29	37.33	3.40	41.17	3.54
	70.0	17.88	2.74	21.71	2.87	25.55	3.01	29.39	3.15	34.00	3.31	37.07	3.42	40.91	3.56
	71.6	17.67	2.75	21.51	2.89	25.35	3.02	29.18	3.16	33.79	3.32	36.86	3.43	40.70	3.57
	75.2	17.20	2.78	21.04	2.92	24.88	3.05	28.71	3.19	33.32	3.35	36.39	3.46	40.23	3.60
FTXS12L + CDXS15L + CDXS18L	60.8	18.79	2.81	22.58	2.96	26.36	3.10	30.14	3.25	34.68	3.42	37.71	3.53	41.49	3.68
	64.4	18.33	2.85	22.11	2.99	25.90	3.13	29.68	3.28	34.22	3.45	37.25	3.57	41.03	3.71
	68.0	17.87	2.88	21.65	3.02	25.43	3.17	29.22	3.31	33.76	3.48	36.78	3.60	40.57	3.74
	70.0	17.61	2.89	21.40	3.04	25.18	3.18	28.96	3.33	33.50	3.50	36.53	3.62	40.31	3.76
	71.6	17.41	2.91	21.19	3.05	24.97	3.20	28.76	3.34	33.29	3.51	36.32	3.63	40.10	3.77
	75.2	16.94	2.94	20.73	3.08	24.51	3.23	28.29	3.37	32.83	3.55	35.86	3.66	39.64	3.80
FDXS12L + FTXS15L + FTXS18L	60.8	19.07	2.58	22.91	2.71	26.75	2.85	30.59	2.98	35.20	3.14	38.27	3.24	42.11	3.37
	64.4	18.61	2.61	22.44	2.74	26.28	2.87	30.12	3.01	34.73	3.17	37.80	3.27	41.64	3.40
	68.0	18.14	2.64	21.98	2.77	25.81	2.90	29.65	3.04	34.26	3.19	37.33	3.30	41.17	3.43
	70.0	17.88	2.65	21.71	2.79	25.55	2.92	29.39	3.05	34.00	3.21	37.07	3.32	40.91	3.45
	71.6	17.67	2.67	21.51	2.80	25.35	2.93	29.18	3.06	33.79	3.22	36.86	3.33	40.70	3.46
	75.2	17.20	2.70	21.04	2.83	24.88	2.96	28.71	3.09	33.32	3.25	36.39	3.36	40.23	3.49
FDXS12L + FTXS15L + CDXS18L	60.8	18.79	2.73	22.58	2.87	26.36	3.00	30.14	3.14	34.68	3.31	37.71	3.42	41.49	3.56
	64.4	18.33	2.76	22.11	2.90	25.90	3.04	29.68	3.17	34.22	3.34	37.25	3.45	41.03	3.59
	68.0	17.87	2.79	21.65	2.93	25.43	3.07	29.22	3.21	33.76	3.37	36.78	3.48	40.57	3.62
	70.0	17.61	2.80	21.40	2.94	25.18	3.08	28.96	3.22	33.50	3.39	36.53	3.50	40.31	3.64
	71.6	17.41	2.82	21.19	2.96	24.97	3.10	28.76	3.24	33.29	3.40	36.32	3.52	40.10	3.65
	75.2	16.94	2.85	20.73	2.99	24.51	3.13	28.29	3.27	32.83	3.43	35.86	3.55	39.64	3.69
FDXS12L + CDXS15L + FTXS18L	60.8	18.79	2.70	22.58	2.84	26.36	2.98	30.14	3.12	34.68	3.28	37.71	3.39	41.49	3.53
	64.4	18.33	2.73	22.11	2.87	25.90	3.01	29.68	3.15	34.22	3.31	37.25	3.42	41.03	3.56
	68.0	17.87	2.76	21.65	2.90	25.43	3.04	29.22	3.18	33.76	3.34	36.78	3.45	40.57	3.59
	70.0	17.61	2.78	21.40	2.92	25.18	3.06	28.96	3.19	33.50	3.36	36.53	3.47	40.31	3.61
	71.6	17.41	2.79	21.19	2.93	24.97	3.07	28.76	3.21	33.29	3.37	36.32	3.48	40.10	3.62
	75.2	16.94	2.82	20.73	2.96	24.51	3.10	28.29	3.24	32.83	3.40	35.86	3.51	39.64	3.65

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS12L + CDXS15L + CDXS18L	60.8	18.46	2.88	22.17	3.03	25.89	3.17	29.60	3.32	34.06	3.50	37.03	3.62	40.75	3.76
	64.4	18.00	2.91	21.72	3.06	25.43	3.21	29.15	3.35	33.61	3.53	36.58	3.65	40.29	3.80
	68.0	17.55	2.94	21.26	3.09	24.98	3.24	28.69	3.39	33.15	3.56	36.12	3.68	39.84	3.83
	70.0	17.30	2.96	21.01	3.11	24.73	3.26	28.44	3.40	32.90	3.58	35.87	3.70	39.59	3.85
	71.6	17.10	2.98	20.81	3.12	24.53	3.27	28.24	3.42	32.70	3.59	35.67	3.71	39.39	3.86
	75.2	16.64	3.01	20.36	3.15	24.07	3.30	27.79	3.45	32.24	3.63	35.22	3.74	38.93	3.89
CTXS07L + CTXS07L + CTXS07L + CTXS07L	60.8	18.63	2.39	22.38	2.51	26.12	2.63	29.87	2.75	34.37	2.90	37.37	3.00	41.12	3.12
	64.4	18.17	2.41	21.92	2.54	25.67	2.66	29.41	2.78	33.91	2.93	36.91	3.03	40.66	3.15
	68.0	17.71	2.44	21.46	2.56	25.21	2.69	28.96	2.81	33.45	2.96	36.45	3.05	40.20	3.18
	70.0	17.45	2.46	21.20	2.58	24.95	2.70	28.70	2.82	33.20	2.97	36.20	3.07	39.95	3.19
	71.6	17.25	2.47	21.00	2.59	24.75	2.71	28.50	2.84	33.00	2.98	36.00	3.08	39.74	3.20
	75.2	16.79	2.49	20.54	2.62	24.29	2.74	28.04	2.86	32.54	3.01	35.54	3.11	39.29	3.23
CTXS07L + CTXS07L + CTXS07L + CTXS09H	60.8	18.79	2.39	22.58	2.51	26.36	2.63	30.14	2.75	34.68	2.90	37.71	3.00	41.49	3.12
	64.4	18.33	2.41	22.11	2.54	25.90	2.66	29.68	2.78	34.22	2.93	37.25	3.03	41.03	3.15
	68.0	17.87	2.44	21.65	2.56	25.43	2.69	29.22	2.81	33.76	2.96	36.78	3.05	40.57	3.18
	70.0	17.61	2.46	21.40	2.58	25.18	2.70	28.96	2.82	33.50	2.97	36.53	3.07	40.31	3.19
	71.6	17.41	2.47	21.19	2.59	24.97	2.71	28.76	2.84	33.29	2.98	36.32	3.08	40.10	3.20
	75.2	16.94	2.49	20.73	2.62	24.51	2.74	28.29	2.86	32.83	3.01	35.86	3.11	39.64	3.23
CTXS07L + CTXS07L + CTXS07L + FDXS09L	60.8	18.57	2.40	22.31	2.53	26.05	2.65	29.78	2.77	34.27	2.92	37.26	3.02	41.00	3.14
	64.4	18.11	2.43	21.85	2.55	25.59	2.68	29.33	2.80	33.81	2.95	36.80	3.05	40.54	3.17
	68.0	17.66	2.46	21.39	2.58	25.13	2.70	28.87	2.83	33.35	2.98	36.34	3.07	40.08	3.20
	70.0	17.40	2.47	21.14	2.60	24.88	2.72	28.61	2.84	33.10	2.99	36.09	3.09	39.83	3.21
	71.6	17.20	2.48	20.94	2.61	24.67	2.73	28.41	2.85	32.90	3.00	35.89	3.10	39.62	3.22
	75.2	16.74	2.51	20.48	2.63	24.22	2.76	27.95	2.88	32.44	3.03	35.43	3.13	39.17	3.25
CTXS07L + CTXS07L + CTXS07L + FTXS12L	60.8	19.07	2.47	22.91	2.59	26.75	2.72	30.59	2.85	35.20	3.00	38.27	3.10	42.11	3.23
	64.4	18.61	2.50	22.44	2.62	26.28	2.75	30.12	2.88	34.73	3.03	37.80	3.13	41.64	3.25
	68.0	18.14	2.52	21.98	2.65	25.81	2.78	29.65	2.90	34.26	3.05	37.33	3.16	41.17	3.28
	70.0	17.88	2.54	21.71	2.67	25.55	2.79	29.39	2.92	34.00	3.07	37.07	3.17	40.91	3.30
	71.6	17.67	2.55	21.51	2.68	25.35	2.80	29.18	2.93	33.79	3.08	36.86	3.18	40.70	3.31
	75.2	17.20	2.58	21.04	2.71	24.88	2.83	28.71	2.96	33.32	3.11	36.39	3.21	40.23	3.34
CTXS07L + CTXS07L + CTXS07L + FDXS12L	60.8	18.85	2.48	22.64	2.61	26.44	2.74	30.23	2.87	34.79	3.02	37.82	3.12	41.61	3.25
	64.4	18.39	2.51	22.18	2.64	25.97	2.77	29.77	2.89	34.32	3.05	37.36	3.15	41.15	3.28
	68.0	17.92	2.54	21.72	2.67	25.51	2.79	29.30	2.92	33.86	3.07	36.89	3.18	40.69	3.30
	70.0	17.66	2.56	21.46	2.68	25.25	2.81	29.05	2.94	33.60	3.09	36.64	3.19	40.43	3.32
	71.6	17.46	2.57	21.25	2.70	25.05	2.82	28.84	2.95	33.39	3.10	36.43	3.20	40.22	3.33
	75.2	16.99	2.60	20.79	2.72	24.58	2.85	28.38	2.98	32.93	3.13	35.97	3.23	39.76	3.36
CTXS07L + CTXS07L + CTXS07L + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + CTXS07L + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + CTXS07L + FTXS18L	60.8	19.36	2.56	23.25	2.70	27.15	2.83	31.04	2.96	35.72	3.12	38.83	3.22	42.73	3.35
	64.4	18.88	2.59	22.77	2.72	26.67	2.86	30.57	2.99	35.24	3.15	38.36	3.25	42.25	3.38
	68.0	18.40	2.62	22.30	2.75	26.19	2.89	30.09	3.02	34.76	3.17	37.88	3.28	41.78	3.41
	70.0	18.14	2.64	22.03	2.77	25.93	2.90	29.83	3.03	34.50	3.19	37.62	3.30	41.51	3.43
	71.6	17.93	2.65	21.82	2.78	25.72	2.91	29.61	3.05	34.29	3.20	37.40	3.31	41.30	3.44
	75.2	17.45	2.68	21.35	2.81	25.24	2.94	29.14	3.07	33.81	3.23	36.93	3.34	40.82	3.47
CTXS07L + CTXS07L + CTXS07L + CDXS18L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + CTXS09H + CTXS09H	60.8	18.96	2.43	22.78	2.55	26.60	2.68	30.41	2.80	34.99	2.95	38.05	3.05	41.86	3.17
	64.4	18.50	2.46	22.31	2.58	26.13	2.70	29.95	2.83	34.53	2.98	37.58	3.08	41.40	3.20
	68.0	18.03	2.48	21.85	2.61	25.66	2.73	29.48	2.86	34.06	3.00	37.11	3.10	40.93	3.23
	70.0	17.77	2.50	21.59	2.62	25.40	2.75	29.22	2.87	33.80	3.02	36.85	3.12	40.67	3.24
	71.6	17.56	2.51	21.38	2.63	25.20	2.76	29.01	2.88	33.59	3.03	36.65	3.13	40.46	3.26
	75.2	17.10	2.54	20.91	2.66	24.73	2.79	28.55	2.91	33.13	3.06	36.18	3.16	40.00	3.28
CTXS07L + CTXS07L + CTXS09H + FDXS09L	60.8	18.74	2.44	22.51	2.57	26.28	2.69	30.05	2.82	34.58	2.97	37.60	3.07	41.37	3.20
	64.4	18.28	2.47	22.05	2.60	25.82	2.72	29.59	2.85	34.12	3.00	37.13	3.10	40.91	3.22
	68.0	17.82	2.50	21.59	2.62	25.36	2.75	29.13	2.87	33.66	3.02	36.67	3.12	40.44	3.25
	70.0	17.56	2.51	21.33	2.64	25.10	2.76	28.87	2.89	33.40	3.04	36.42	3.14	40.19	3.27
	71.6	17.35	2.53	21.13	2.65	24.90	2.78	28.67	2.90	33.20	3.05	36.21	3.15	39.98	3.28
	75.2	16.89	2.55	20.67	2.68	24.44	2.80	28.21	2.93	32.73	3.08	35.75	3.18	39.52	3.30
CTXS07L + CTXS07L + FDXS09L + FDXS09L	60.8	18.51	2.52	22.24	2.65	25.97	2.77	29.69	2.90	34.16	3.06	37.15	3.16	40.87	3.29
	64.4	18.06	2.54	21.78	2.67	25.51	2.80	29.24	2.93	33.71	3.09	36.69	3.19	40.42	3.32
	68.0	17.60	2.57	21.33	2.70	25.06	2.83	28.78	2.96	33.25	3.11	36.23	3.22	39.96	3.35
	70.0	17.35	2.59	21.08	2.72	24.80	2.85	28.53	2.98	33.00	3.13	35.98	3.23	39.71	3.36
	71.6	17.15	2.60	20.87	2.73	24.60	2.86	28.33	2.99	32.80	3.14	35.78	3.25	39.50	3.37
	75.2	16.69	2.63	20.42	2.76	24.14	2.89	27.87	3.02	32.34	3.17	35.32	3.27	39.05	3.40
CTXS07L + CTXS07L + CTXS09H + FTXS12L	60.8	19.24	2.52	23.12	2.65	26.99	2.77	30.86	2.90	35.51	3.06	38.61	3.16	42.48	3.29
	64.4	18.77	2.54	22.64	2.67	26.52	2.80	30.39	2.93	35.04	3.09	38.14	3.19	42.01	3.32
	68.0	18.30	2.57	22.17	2.70	26.04	2.83	29.92	2.96	34.56	3.11	37.66	3.22	41.53	3.35
	70.0	18.03	2.59	21.91	2.72	25.78	2.85	29.65	2.98	34.30	3.13	37.40	3.23	41.27	3.36
	71.6	17.82	2.60	21.70	2.73	25.57	2.86	29.44	2.99	34.09	3.14	37.19	3.25	41.06	3.37
	75.2	17.35	2.63	21.22	2.76	25.10	2.89	28.97	3.02	33.62	3.17	36.71	3.27	40.59	3.40
CTXS07L + CTXS07L + CTXS09H + FDXS12L	60.8	19.02	2.53	22.85	2.66	26.67	2.79	30.50	2.92	35.10	3.08	38.16	3.18	41.99	3.31
	64.4	18.55	2.56	22.38	2.69	26.21	2.82	30.03	2.95	34.63	3.11	37.69	3.21	41.52	3.34
	68.0	18.08	2.59	21.91	2.72	25.74	2.85	29.57	2.98	34.16	3.13	37.22	3.24	41.05	3.37
	70.0	17.82	2.61	21.65	2.73	25.48	2.86	29.31	2.99	33.90	3.15	36.96	3.25	40.79	3.38
	71.6	17.61	2.62	21.44	2.75	25.27	2.88	29.10	3.01	33.69	3.16	36.75	3.27	40.58	3.40
	75.2	17.15	2.65	20.97	2.78	24.80	2.91	28.63	3.04	33.22	3.19	36.29	3.29	40.11	3.42
CTXS07L + CTXS07L + FDXS09L + FTXS12L	60.8	19.02	2.53	22.85	2.66	26.67	2.79	30.50	2.92	35.10	3.08	38.16	3.18	41.99	3.31
	64.4	18.55	2.56	22.38	2.69	26.21	2.82	30.03	2.95	34.63	3.11	37.69	3.21	41.52	3.34
	68.0	18.08	2.59	21.91	2.72	25.74	2.85	29.57	2.98	34.16	3.13	37.22	3.24	41.05	3.37
	70.0	17.82	2.61	21.65	2.73	25.48	2.86	29.31	2.99	33.90	3.15	36.96	3.25	40.79	3.38
	71.6	17.61	2.62	21.44	2.75	25.27	2.88	29.10	3.01	33.69	3.16	36.75	3.27	40.58	3.40
	75.2	17.15	2.65	20.97	2.78	24.80	2.91	28.63	3.04	33.22	3.19	36.29	3.29	40.11	3.42

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS09L + FDXS12L	60.8	18.79	2.56	22.58	2.70	26.36	2.83	30.14	2.96	34.68	3.12	37.71	3.22	41.49	3.35
	64.4	18.33	2.59	22.11	2.72	25.90	2.86	29.68	2.99	34.22	3.15	37.25	3.25	41.03	3.38
	68.0	17.87	2.62	21.65	2.75	25.43	2.89	29.22	3.02	33.76	3.17	36.78	3.28	40.57	3.41
	70.0	17.61	2.64	21.40	2.77	25.18	2.90	28.96	3.03	33.50	3.19	36.53	3.30	40.31	3.43
	71.6	17.41	2.65	21.19	2.78	24.97	2.91	28.76	3.05	33.29	3.20	36.32	3.31	40.10	3.44
	75.2	16.94	2.68	20.73	2.81	24.51	2.94	28.29	3.07	32.83	3.23	35.86	3.34	39.64	3.47
CTXS07L + CTXS07L + CTXS09H + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + CTXS09H + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + FDXS09L + FTXS15L	60.8	19.13	2.54	22.98	2.67	26.83	2.80	30.68	2.93	35.30	3.09	38.38	3.19	42.23	3.32
	64.4	18.66	2.57	22.51	2.70	26.36	2.83	30.21	2.96	34.83	3.12	37.91	3.22	41.76	3.35
	68.0	18.19	2.60	22.04	2.73	25.89	2.86	29.74	2.99	34.36	3.14	37.44	3.25	41.29	3.38
	70.0	17.93	2.61	21.78	2.74	25.63	2.87	29.48	3.00	34.10	3.16	37.18	3.26	41.03	3.39
	71.6	17.72	2.63	21.57	2.76	25.42	2.89	29.27	3.02	33.89	3.17	36.97	3.28	40.82	3.41
	75.2	17.25	2.65	21.10	2.78	24.95	2.91	28.80	3.04	33.42	3.20	36.50	3.31	40.35	3.44
CTXS07L + CTXS07L + FDXS09L + CDXS15L	60.8	18.91	2.62	22.71	2.76	26.52	2.89	30.32	3.02	34.89	3.18	37.93	3.29	41.74	3.43
	64.4	18.44	2.65	22.25	2.78	26.05	2.92	29.86	3.05	34.42	3.21	37.47	3.32	41.27	3.46
	68.0	17.98	2.68	21.78	2.81	25.59	2.95	29.39	3.08	33.96	3.24	37.00	3.35	40.81	3.49
	70.0	17.72	2.70	21.52	2.83	25.33	2.96	29.13	3.10	33.70	3.26	36.74	3.37	40.55	3.50
	71.6	17.51	2.71	21.32	2.84	25.12	2.98	28.93	3.11	33.49	3.27	36.54	3.38	40.34	3.51
	75.2	17.05	2.74	20.85	2.87	24.66	3.01	28.46	3.14	33.03	3.30	36.07	3.41	39.88	3.54
CTXS07L + CTXS07L + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS07L + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS09L + FTXS18L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + CTXS07L + FTXS12L + FTXS12L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS07L + FTXS12L + FDXS12L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS07L + FDXS12L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + CTXS07L + FTXS12L + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS07L + CTXS07L + FTXS12L + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS12L + FTXS15L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49
CTXS07L + CTXS07L + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS07L + FTXS12L + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS07L + FTXS12L + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS07L + FDXS12L + FTXS18L	60.8	19.19	2.58	23.05	2.71	26.91	2.85	30.77	2.98	35.41	3.14	38.50	3.24	42.36	3.37
	64.4	18.71	2.61	22.58	2.74	26.44	2.87	30.30	3.01	34.93	3.17	38.02	3.27	41.89	3.40
	68.0	18.24	2.64	22.10	2.77	25.97	2.90	29.83	3.04	34.46	3.19	37.55	3.30	41.41	3.43
	70.0	17.98	2.65	21.84	2.79	25.70	2.92	29.57	3.05	34.20	3.21	37.29	3.32	41.15	3.45
	71.6	17.77	2.67	21.63	2.80	25.49	2.93	29.36	3.06	33.99	3.22	37.08	3.33	40.94	3.46
	75.2	17.30	2.70	21.16	2.83	25.02	2.96	28.88	3.09	33.52	3.25	36.61	3.36	40.47	3.49
CTXS07L + CTXS07L + FDXS12L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + CTXS09H + CTXS09H + CTXS09H	60.8	19.19	2.52	23.05	2.65	26.91	2.77	30.77	2.90	35.41	3.06	38.50	3.16	42.36	3.29
	64.4	18.71	2.54	22.58	2.67	26.44	2.80	30.30	2.93	34.93	3.09	38.02	3.19	41.89	3.32
	68.0	18.24	2.57	22.10	2.70	25.97	2.83	29.83	2.96	34.46	3.11	37.55	3.22	41.41	3.35
	70.0	17.98	2.59	21.84	2.72	25.70	2.85	29.57	2.98	34.20	3.13	37.29	3.23	41.15	3.36
	71.6	17.77	2.60	21.63	2.73	25.49	2.86	29.36	2.99	33.99	3.14	37.08	3.25	40.94	3.37
	75.2	17.30	2.63	21.16	2.76	25.02	2.89	28.88	3.02	33.52	3.17	36.61	3.27	40.47	3.40
CTXS07L + CTXS09H + CTXS09H + FDXS09L	60.8	18.96	2.53	22.78	2.66	26.60	2.79	30.41	2.92	34.99	3.08	38.05	3.18	41.86	3.31
	64.4	18.50	2.56	22.31	2.69	26.13	2.82	29.95	2.95	34.53	3.11	37.58	3.21	41.40	3.34
	68.0	18.03	2.59	21.85	2.72	25.66	2.85	29.48	2.98	34.06	3.13	37.11	3.24	40.93	3.37
	70.0	17.77	2.61	21.59	2.73	25.40	2.86	29.22	2.99	33.80	3.15	36.85	3.25	40.67	3.38
	71.6	17.56	2.62	21.38	2.75	25.20	2.88	29.01	3.01	33.59	3.16	36.65	3.27	40.46	3.40
	75.2	17.10	2.65	20.91	2.78	24.73	2.91	28.55	3.04	33.13	3.19	36.18	3.29	40.00	3.42
CTXS07L + CTXS09H + FDXS09L + FDXS09L	60.8	18.74	2.56	22.51	2.70	26.28	2.83	30.05	2.96	34.58	3.12	37.60	3.22	41.37	3.35
	64.4	18.28	2.59	22.05	2.72	25.82	2.86	29.59	2.99	34.12	3.15	37.13	3.25	40.91	3.38
	68.0	17.82	2.62	21.59	2.75	25.36	2.89	29.13	3.02	33.66	3.17	36.67	3.28	40.44	3.41
	70.0	17.56	2.64	21.33	2.77	25.10	2.90	28.87	3.03	33.40	3.19	36.42	3.30	40.19	3.43
	71.6	17.35	2.65	21.13	2.78	24.90	2.91	28.67	3.05	33.20	3.20	36.21	3.31	39.98	3.44
	75.2	16.89	2.68	20.67	2.81	24.44	2.94	28.21	3.07	32.73	3.23	35.75	3.34	39.52	3.47
CTXS07L + FDXS09L + FDXS09L + FDXS09L	60.8	18.46	2.61	22.17	2.75	25.89	2.88	29.60	3.01	34.06	3.18	37.03	3.28	40.75	3.42
	64.4	18.00	2.64	21.72	2.78	25.43	2.91	29.15	3.04	33.61	3.20	36.58	3.31	40.29	3.45
	68.0	17.55	2.67	21.26	2.81	24.98	2.94	28.69	3.07	33.15	3.23	36.12	3.34	39.84	3.47
	70.0	17.30	2.69	21.01	2.82	24.73	2.96	28.44	3.09	32.90	3.25	35.87	3.36	39.59	3.49
	71.6	17.10	2.70	20.81	2.83	24.53	2.97	28.24	3.10	32.70	3.26	35.67	3.37	39.39	3.50
	75.2	16.64	2.73	20.36	2.86	24.07	3.00	27.79	3.13	32.24	3.29	35.22	3.40	38.93	3.53

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + CTXS09H + FTXS12L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + CTXS09H + FDXS12L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS07L + CTXS09H + FDXS09L + FTXS12L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS07L + CTXS09H + FDXS09L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS09L + FTXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS09L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59
CTXS07L + CTXS09H + CTXS09H + FTXS15L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + CTXS09H + CDXS15L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + FDXS09L + FTXS15L	60.8	19.13	2.54	22.98	2.67	26.83	2.80	30.68	2.93	35.30	3.09	38.38	3.19	42.23	3.32
	64.4	18.66	2.57	22.51	2.70	26.36	2.83	30.21	2.96	34.83	3.12	37.91	3.22	41.76	3.35
	68.0	18.19	2.60	22.04	2.73	25.89	2.86	29.74	2.99	34.36	3.14	37.44	3.25	41.29	3.38
	70.0	17.93	2.61	21.78	2.74	25.63	2.87	29.48	3.00	34.10	3.16	37.18	3.26	41.03	3.39
	71.6	17.72	2.63	21.57	2.76	25.42	2.89	29.27	3.02	33.89	3.17	36.97	3.28	40.82	3.41
	75.2	17.25	2.65	21.10	2.78	24.95	2.91	28.80	3.04	33.42	3.20	36.50	3.31	40.35	3.44
CTXS07L + CTXS09H + FDXS09L + CDXS15L	60.8	18.91	2.57	22.71	2.70	26.52	2.84	30.32	2.97	34.89	3.13	37.93	3.23	41.74	3.36
	64.4	18.44	2.60	22.25	2.73	26.05	2.87	29.86	3.00	34.42	3.16	37.47	3.26	41.27	3.39
	68.0	17.98	2.63	21.78	2.76	25.59	2.89	29.39	3.03	33.96	3.18	37.00	3.29	40.81	3.42
	70.0	17.72	2.65	21.52	2.78	25.33	2.91	29.13	3.04	33.70	3.20	36.74	3.31	40.55	3.44
	71.6	17.51	2.66	21.32	2.79	25.12	2.92	28.93	3.05	33.49	3.21	36.54	3.32	40.34	3.45
	75.2	17.05	2.69	20.85	2.82	24.66	2.95	28.46	3.08	33.03	3.24	36.07	3.35	39.88	3.48
CTXS07L + FDXS09L + FDXS09L + FTXS15L	60.8	18.91	2.50	22.71	2.63	26.52	2.76	30.32	2.88	34.89	3.04	37.93	3.14	41.74	3.27
	64.4	18.44	2.53	22.25	2.66	26.05	2.78	29.86	2.91	34.42	3.07	37.47	3.17	41.27	3.30
	68.0	17.98	2.56	21.78	2.68	25.59	2.81	29.39	2.94	33.96	3.09	37.00	3.20	40.81	3.32
	70.0	17.72	2.57	21.52	2.70	25.33	2.83	29.13	2.96	33.70	3.11	36.74	3.21	40.55	3.34
	71.6	17.51	2.58	21.32	2.71	25.12	2.84	28.93	2.97	33.49	3.12	36.54	3.22	40.34	3.35
	75.2	17.05	2.61	20.85	2.74	24.66	2.87	28.46	3.00	33.03	3.15	36.07	3.25	39.88	3.38
CTXS07L + FDXS09L + FDXS09L + CDXS15L	60.8	18.63	2.60	22.38	2.73	26.12	2.86	29.87	3.00	34.37	3.16	37.37	3.26	41.12	3.40
	64.4	18.17	2.63	21.92	2.76	25.67	2.89	29.41	3.03	33.91	3.18	36.91	3.29	40.66	3.42
	68.0	17.71	2.66	21.46	2.79	25.21	2.92	28.96	3.05	33.45	3.21	36.45	3.32	40.20	3.45
	70.0	17.45	2.67	21.20	2.80	24.95	2.94	28.70	3.07	33.20	3.23	36.20	3.34	39.95	3.47
	71.6	17.25	2.68	21.00	2.82	24.75	2.95	28.50	3.08	33.00	3.24	36.00	3.35	39.74	3.48
	75.2	16.79	2.71	20.54	2.85	24.29	2.98	28.04	3.11	32.54	3.27	35.54	3.38	39.29	3.51
CTXS07L + CTXS09H + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS07L + CTXS09H + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS09H + FDXS09L + FTXS18L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + CTXS09H + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + FDXS09L + FDXS09L + FTXS18L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS07L + FDXS09L + FDXS09L + CDXS18L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
CTXS07L + CTXS09H + FTXS12L + FTXS12L	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS09H + FTXS12L + FDXS12L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + CTXS09H + FDXS12L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FTXS12L + FTXS12L	60.8	19.13	2.61	22.98	2.75	26.83	2.88	30.68	3.01	35.30	3.18	38.38	3.28	42.23	3.42
	64.4	18.66	2.64	22.51	2.78	26.36	2.91	30.21	3.04	34.83	3.20	37.91	3.31	41.76	3.45
	68.0	18.19	2.67	22.04	2.81	25.89	2.94	29.74	3.07	34.36	3.23	37.44	3.34	41.29	3.47
	70.0	17.93	2.69	21.78	2.82	25.63	2.96	29.48	3.09	34.10	3.25	37.18	3.36	41.03	3.49
	71.6	17.72	2.70	21.57	2.83	25.42	2.97	29.27	3.10	33.89	3.26	36.97	3.37	40.82	3.50
	75.2	17.25	2.73	21.10	2.86	24.95	3.00	28.80	3.13	33.42	3.29	36.50	3.40	40.35	3.53
CTXS07L + FDXS09L + FTXS12L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS07L + FDXS09L + FDXS12L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS09H + FTXS12L + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS07L + CTXS09H + FTXS12L + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS09H + FDXS12L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + CTXS09H + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + FDXS09L + FTXS12L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS07L + FDXS09L + FTXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS07L + FDXS09L + FDXS12L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS07L + FDXS09L + FDXS12L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS07L + CTXS12H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS07L + CTXS12H + CTXS12H + FDXS12L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS07L + CTXS12H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS07L + FDXS12L + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
CTXS09H + CTXS09H + CTXS09H + CTXS09H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS09H + CTXS09H + FDXS09L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS09H + CTXS09H + FDXS09L + FDXS09L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09HCTXS09 H + FDXS09L + FDXS09L + FDXS09L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L + FDXS09L	60.8	18.40	2.72	22.11	2.86	25.81	3.00	29.51	3.14	33.96	3.30	36.92	3.41	40.62	3.55
	64.4	17.95	2.75	21.65	2.89	25.36	3.03	29.06	3.17	33.50	3.33	36.47	3.44	40.17	3.58
	68.0	17.50	2.78	21.20	2.92	24.90	3.06	28.61	3.20	33.05	3.36	36.01	3.47	39.72	3.61
	70.0	17.24	2.80	20.95	2.93	24.65	3.07	28.36	3.21	32.80	3.38	35.76	3.49	39.47	3.63
	71.6	17.04	2.81	20.75	2.95	24.45	3.09	28.15	3.23	32.60	3.39	35.56	3.50	39.27	3.64
	75.2	16.59	2.84	20.29	2.98	24.00	3.12	27.70	3.26	32.15	3.42	35.11	3.54	38.81	3.67
CTXS09H + CTXS09H + CTXS09H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS09HCTXS09 H + CTXS09H + FDXS12L	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
CTXS09H + CTXS09H + FDXS09L + CTXS12H	60.8	19.13	2.57	22.98	2.70	26.83	2.84	30.68	2.97	35.30	3.13	38.38	3.23	42.23	3.36
	64.4	18.66	2.60	22.51	2.73	26.36	2.87	30.21	3.00	34.83	3.16	37.91	3.26	41.76	3.39
	68.0	18.19	2.63	22.04	2.76	25.89	2.89	29.74	3.03	34.36	3.18	37.44	3.29	41.29	3.42
	70.0	17.93	2.65	21.78	2.78	25.63	2.91	29.48	3.04	34.10	3.20	37.18	3.31	41.03	3.44
	71.6	17.72	2.66	21.57	2.79	25.42	2.92	29.27	3.05	33.89	3.21	36.97	3.32	40.82	3.45
	75.2	17.25	2.69	21.10	2.82	24.95	2.95	28.80	3.08	33.42	3.24	36.50	3.35	40.35	3.48
FTXS09L + CTXS09H + FDXS09L + FDXS12L	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09H + FDXS09L + FDXS09L + CTXS12H	60.8	18.91	2.61	22.71	2.74	26.52	2.87	30.32	3.01	34.89	3.17	37.93	3.27	41.74	3.41
	64.4	18.44	2.63	22.25	2.77	26.05	2.90	29.86	3.03	34.42	3.19	37.47	3.30	41.27	3.43
	68.0	17.98	2.66	21.78	2.80	25.59	2.93	29.39	3.06	33.96	3.22	37.00	3.33	40.81	3.46
	70.0	17.72	2.68	21.52	2.81	25.33	2.95	29.13	3.08	33.70	3.24	36.74	3.35	40.55	3.48
	71.6	17.51	2.69	21.32	2.83	25.12	2.96	28.93	3.09	33.49	3.25	36.54	3.36	40.34	3.49
	75.2	17.05	2.72	20.85	2.86	24.66	2.99	28.46	3.12	33.03	3.28	36.07	3.39	39.88	3.52
CTXS09H + FDXS09L + FDXS09L + FDXS12L	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59
FDXS09L + FDXS09L + FDXS09L + CTXS12H	60.8	18.63	2.65	22.38	2.79	26.12	2.93	29.87	3.06	34.37	3.22	37.37	3.33	41.12	3.47
	64.4	18.17	2.68	21.92	2.82	25.67	2.95	29.41	3.09	33.91	3.25	36.91	3.36	40.66	3.50
	68.0	17.71	2.71	21.46	2.85	25.21	2.98	28.96	3.12	33.45	3.28	36.45	3.39	40.20	3.53
	70.0	17.45	2.73	21.20	2.87	24.95	3.00	28.70	3.14	33.20	3.30	36.20	3.41	39.95	3.54
	71.6	17.25	2.74	21.00	2.88	24.75	3.01	28.50	3.15	33.00	3.31	36.00	3.42	39.74	3.56
	75.2	16.79	2.77	20.54	2.91	24.29	3.04	28.04	3.18	32.54	3.34	35.54	3.45	39.29	3.59

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L + FDXS12L	60.8	18.40	2.72	22.11	2.86	25.81	3.00	29.51	3.14	33.96	3.30	36.92	3.41	40.62	3.55
	64.4	17.95	2.75	21.65	2.89	25.36	3.03	29.06	3.17	33.50	3.33	36.47	3.44	40.17	3.58
	68.0	17.50	2.78	21.20	2.92	24.90	3.06	28.61	3.20	33.05	3.36	36.01	3.47	39.72	3.61
	70.0	17.24	2.80	20.95	2.93	24.65	3.07	28.36	3.21	32.80	3.38	35.76	3.49	39.47	3.63
	71.6	17.04	2.81	20.75	2.95	24.45	3.09	28.15	3.23	32.60	3.39	35.56	3.50	39.27	3.64
	75.2	16.59	2.84	20.29	2.98	24.00	3.12	27.70	3.26	32.15	3.42	35.11	3.54	38.81	3.67
CTXS09H + CTXS09H + CTXS09H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS09H + CTXS09H + CTXS09H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS09L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS09L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + FDXS09L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS09L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS09L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L + CDXS15L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS09H + CTXS09H + FTXS18L	60.8	19.41	2.56	23.32	2.70	27.23	2.83	31.13	2.96	35.82	3.12	38.95	3.22	42.85	3.35
	64.4	18.93	2.59	22.84	2.72	26.75	2.86	30.65	2.99	35.34	3.15	38.47	3.25	42.38	3.38
	68.0	18.46	2.62	22.36	2.75	26.27	2.89	30.18	3.02	34.87	3.17	37.99	3.28	41.90	3.41
	70.0	18.19	2.64	22.10	2.77	26.00	2.90	29.91	3.03	34.60	3.19	37.73	3.30	41.63	3.43
	71.6	17.98	2.65	21.89	2.78	25.79	2.91	29.70	3.05	34.39	3.20	37.51	3.31	41.42	3.44
	75.2	17.50	2.68	21.41	2.81	25.31	2.94	29.22	3.07	33.91	3.23	37.04	3.34	40.94	3.47
CTXS09H + CTXS09H + CTXS09H + CDXS18L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS09L + FTXS18L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS09L + CDXS18L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + FDXS09L + FTXS18L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS09L + CDXS18L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS09L + FTXS18L	60.8	18.68	2.51	22.44	2.64	26.20	2.77	29.96	2.89	34.47	3.05	37.48	3.15	41.24	3.28
	64.4	18.22	2.54	21.98	2.67	25.74	2.79	29.50	2.92	34.02	3.08	37.02	3.18	40.78	3.31
	68.0	17.76	2.56	21.52	2.69	25.28	2.82	29.04	2.95	33.56	3.10	36.56	3.21	40.32	3.34
	70.0	17.51	2.58	21.27	2.71	25.03	2.84	28.79	2.97	33.30	3.12	36.31	3.22	40.07	3.35
	71.6	17.30	2.59	21.06	2.72	24.82	2.85	28.58	2.98	33.10	3.13	36.10	3.24	39.86	3.36
	75.2	16.84	2.62	20.60	2.75	24.36	2.88	28.12	3.01	32.64	3.16	35.64	3.26	39.40	3.39

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + FDXS09L + CDXS18L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS09H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
CTXS09H + CTXS09H + CTXS12H + FDXS12L	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
CTXS09H + CTXS09H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
CTXS09H + FDXS09L + CTXS12H + CTXS12H	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
CTXS09H + FDXS09L + CTXS12H + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
CTXS09H + FDXS09L + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + FDXS09L + CTXS12H + CTXS12H	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52	



Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
FDXS09L + FDXS09L + CTXS12H + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + FDXS09L + FDXS12L + FDXS12L	60.8	18.46	2.72	22.17	2.86	25.89	3.00	29.60	3.14	34.06	3.30	37.03	3.41	40.75	3.55
	64.4	18.00	2.75	21.72	2.89	25.43	3.03	29.15	3.17	33.61	3.33	36.58	3.44	40.29	3.58
	68.0	17.55	2.78	21.26	2.92	24.98	3.06	28.69	3.20	33.15	3.36	36.12	3.47	39.84	3.61
	70.0	17.30	2.80	21.01	2.93	24.73	3.07	28.44	3.21	32.90	3.38	35.87	3.49	39.59	3.63
	71.6	17.10	2.81	20.81	2.95	24.53	3.09	28.24	3.23	32.70	3.39	35.67	3.50	39.39	3.64
CTXS09H + CTXS09H + CTXS12H + FTXS15L	60.8	19.41	2.56	23.32	2.69	27.23	2.82	31.13	2.95	35.82	3.11	38.95	3.21	42.85	3.34
	64.4	18.93	2.59	22.84	2.72	26.75	2.85	30.65	2.98	35.34	3.14	38.47	3.24	42.38	3.37
	68.0	18.46	2.61	22.36	2.75	26.27	2.88	30.18	3.01	34.87	3.16	37.99	3.27	41.90	3.40
	70.0	18.19	2.63	22.10	2.76	26.00	2.89	29.91	3.02	34.60	3.18	37.73	3.28	41.63	3.42
	71.6	17.98	2.64	21.89	2.77	25.79	2.90	29.70	3.04	34.39	3.19	37.51	3.30	41.42	3.43
	75.2	17.50	2.67	21.41	2.80	25.31	2.93	29.22	3.06	33.91	3.22	37.04	3.33	40.94	3.46
CTXS09H + CTXS09H + CTXS12H + CDXS15L	60.8	19.19	2.61	23.05	2.75	26.91	2.88	30.77	3.01	35.41	3.18	38.50	3.28	42.36	3.42
	64.4	18.71	2.64	22.58	2.78	26.44	2.91	30.30	3.04	34.93	3.20	38.02	3.31	41.89	3.45
	68.0	18.24	2.67	22.10	2.81	25.97	2.94	29.83	3.07	34.46	3.23	37.55	3.34	41.41	3.47
	70.0	17.98	2.69	21.84	2.82	25.70	2.96	29.57	3.09	34.20	3.25	37.29	3.36	41.15	3.49
	71.6	17.77	2.70	21.63	2.83	25.49	2.97	29.36	3.10	33.99	3.26	37.08	3.37	40.94	3.50
	75.2	17.30	2.73	21.16	2.86	25.02	3.00	28.88	3.13	33.52	3.29	36.61	3.40	40.47	3.53
CTXS09H + CTXS09H + FDXS12L + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + CTXS09H + FDXS12L + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54
CTXS09H + FDXS09L + CTXS12H + FTXS15L	60.8	19.19	2.54	23.05	2.67	26.91	2.80	30.77	2.93	35.41	3.09	38.50	3.19	42.36	3.32
	64.4	18.71	2.57	22.58	2.70	26.44	2.83	30.30	2.96	34.93	3.12	38.02	3.22	41.89	3.35
	68.0	18.24	2.60	22.10	2.73	25.97	2.86	29.83	2.99	34.46	3.14	37.55	3.25	41.41	3.38
	70.0	17.98	2.61	21.84	2.74	25.70	2.87	29.57	3.00	34.20	3.16	37.29	3.26	41.15	3.39
	71.6	17.77	2.63	21.63	2.76	25.49	2.89	29.36	3.02	33.99	3.17	37.08	3.28	40.94	3.41
	75.2	17.30	2.65	21.16	2.78	25.02	2.91	28.88	3.04	33.52	3.20	36.61	3.31	40.47	3.44
CTXS09H + FDXS09L + CTXS12H + CDXS15L	60.8	18.96	2.62	22.78	2.76	26.60	2.89	30.41	3.02	34.99	3.18	38.05	3.29	41.86	3.43
	64.4	18.50	2.65	22.31	2.78	26.13	2.92	29.95	3.05	34.53	3.21	37.58	3.32	41.40	3.46
	68.0	18.03	2.68	21.85	2.81	25.66	2.95	29.48	3.08	34.06	3.24	37.11	3.35	40.93	3.49
	70.0	17.77	2.70	21.59	2.83	25.40	2.96	29.22	3.10	33.80	3.26	36.85	3.37	40.67	3.50
	71.6	17.56	2.71	21.38	2.84	25.20	2.98	29.01	3.11	33.59	3.27	36.65	3.38	40.46	3.51
	75.2	17.10	2.74	20.91	2.87	24.73	3.01	28.55	3.14	33.13	3.30	36.18	3.41	40.00	3.54

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW	TC kBtu/h	PI kW
CTXS09H + FDXS09L + FDXS12L + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
CTXS09H + FDXS09L + FDXS12L + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + CTXS12H + FTXS15L	60.8	18.96	2.50	22.78	2.63	26.60	2.76	30.41	2.88	34.99	3.04	38.05	3.14	41.86	3.27
	64.4	18.50	2.53	22.31	2.66	26.13	2.78	29.95	2.91	34.53	3.07	37.58	3.17	41.40	3.30
	68.0	18.03	2.56	21.85	2.68	25.66	2.81	29.48	2.94	34.06	3.09	37.11	3.20	40.93	3.32
	70.0	17.77	2.57	21.59	2.70	25.40	2.83	29.22	2.96	33.80	3.11	36.85	3.21	40.67	3.34
	71.6	17.56	2.58	21.38	2.71	25.20	2.84	29.01	2.97	33.59	3.12	36.65	3.22	40.46	3.35
	75.2	17.10	2.61	20.91	2.74	24.73	2.87	28.55	3.00	33.13	3.15	36.18	3.25	40.00	3.38
FDXS09L + FDXS09L + CTXS12H + CDXS15L	60.8	18.68	2.60	22.44	2.73	26.20	2.86	29.96	3.00	34.47	3.16	37.48	3.26	41.24	3.40
	64.4	18.22	2.63	21.98	2.76	25.74	2.89	29.50	3.03	34.02	3.18	37.02	3.29	40.78	3.42
	68.0	17.76	2.66	21.52	2.79	25.28	2.92	29.04	3.05	33.56	3.21	36.56	3.32	40.32	3.45
	70.0	17.51	2.67	21.27	2.80	25.03	2.94	28.79	3.07	33.30	3.23	36.31	3.34	40.07	3.47
	71.6	17.30	2.68	21.06	2.82	24.82	2.95	28.58	3.08	33.10	3.24	36.10	3.35	39.86	3.48
	75.2	16.84	2.71	20.60	2.85	24.36	2.98	28.12	3.11	32.64	3.27	35.64	3.38	39.40	3.51
FDXS09L + FDXS09L + FDXS12L + FTXS15L	60.8	18.68	2.52	22.44	2.65	26.20	2.77	29.96	2.90	34.47	3.06	37.48	3.16	41.24	3.29
	64.4	18.22	2.54	21.98	2.67	25.74	2.80	29.50	2.93	34.02	3.09	37.02	3.19	40.78	3.32
	68.0	17.76	2.57	21.52	2.70	25.28	2.83	29.04	2.96	33.56	3.11	36.56	3.22	40.32	3.35
	70.0	17.51	2.59	21.27	2.72	25.03	2.85	28.79	2.98	33.30	3.13	36.31	3.23	40.07	3.36
	71.6	17.30	2.60	21.06	2.73	24.82	2.86	28.58	2.99	33.10	3.14	36.10	3.25	39.86	3.37
	75.2	16.84	2.63	20.60	2.76	24.36	2.89	28.12	3.02	32.64	3.17	35.64	3.27	39.40	3.40
FDXS09L + FDXS09L + FDXS12L + CDXS15L	60.8	18.46	2.64	22.17	2.77	25.89	2.91	29.60	3.04	34.06	3.20	37.03	3.31	40.75	3.45
	64.4	18.00	2.67	21.72	2.80	25.43	2.94	29.15	3.07	33.61	3.23	36.58	3.34	40.29	3.48
	68.0	17.55	2.70	21.26	2.83	24.98	2.97	28.69	3.10	33.15	3.26	36.12	3.37	39.84	3.51
	70.0	17.30	2.71	21.01	2.85	24.73	2.98	28.44	3.12	32.90	3.28	35.87	3.39	39.59	3.52
	71.6	17.10	2.73	20.81	2.86	24.53	3.00	28.24	3.13	32.70	3.29	35.67	3.40	39.39	3.54
	75.2	16.64	2.76	20.36	2.89	24.07	3.03	27.79	3.16	32.24	3.32	35.22	3.43	38.93	3.57
CTXS09H + CTXS12H + CTXS12H + CTXS12H	60.8	19.36	2.56	23.25	2.69	27.15	2.82	31.04	2.95	35.72	3.11	38.83	3.21	42.73	3.34
	64.4	18.88	2.59	22.77	2.72	26.67	2.85	30.57	2.98	35.24	3.14	38.36	3.24	42.25	3.37
	68.0	18.40	2.61	22.30	2.75	26.19	2.88	30.09	3.01	34.76	3.16	37.88	3.27	41.78	3.40
	70.0	18.14	2.63	22.03	2.76	25.93	2.89	29.83	3.02	34.50	3.18	37.62	3.28	41.51	3.42
	71.6	17.93	2.64	21.82	2.77	25.72	2.90	29.61	3.04	34.29	3.19	37.40	3.30	41.30	3.43
	75.2	17.45	2.67	21.35	2.80	25.24	2.93	29.14	3.06	33.81	3.22	36.93	3.33	40.82	3.46
CTXS09H + CTXS12H + CTXS12H + FDXS12L	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48

Combination (Capacity)	Indoor air temp. EDB (°F)	Outdoor air temp. EWB (°F)													
		5.0		14.0		23.0		32.0		43.0		50.0		59.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW
CTXS09H + CTXS12H + FDXS12L + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
CTXS09H + FDXS12L + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + CTXS12H + CTXS12H + CTXS12H	60.8	19.19	2.57	23.05	2.70	26.91	2.84	30.77	2.97	35.41	3.13	38.50	3.23	42.36	3.36
	64.4	18.71	2.60	22.58	2.73	26.44	2.87	30.30	3.00	34.93	3.16	38.02	3.26	41.89	3.39
	68.0	18.24	2.63	22.10	2.76	25.97	2.89	29.83	3.03	34.46	3.18	37.55	3.29	41.41	3.42
	70.0	17.98	2.65	21.84	2.78	25.70	2.91	29.57	3.04	34.20	3.20	37.29	3.31	41.15	3.44
	71.6	17.77	2.66	21.63	2.79	25.49	2.92	29.36	3.05	33.99	3.21	37.08	3.32	40.94	3.45
	75.2	17.30	2.69	21.16	2.82	25.02	2.95	28.88	3.08	33.52	3.24	36.61	3.35	40.47	3.48
FDXS09L + CTXS12H + CTXS12H + FDXS12L	60.8	18.96	2.61	22.78	2.74	26.60	2.87	30.41	3.01	34.99	3.17	38.05	3.27	41.86	3.41
	64.4	18.50	2.63	22.31	2.77	26.13	2.90	29.95	3.03	34.53	3.19	37.58	3.30	41.40	3.43
	68.0	18.03	2.66	21.85	2.80	25.66	2.93	29.48	3.06	34.06	3.22	37.11	3.33	40.93	3.46
	70.0	17.77	2.68	21.59	2.81	25.40	2.95	29.22	3.08	33.80	3.24	36.85	3.35	40.67	3.48
	71.6	17.56	2.69	21.38	2.83	25.20	2.96	29.01	3.09	33.59	3.25	36.65	3.36	40.46	3.49
	75.2	17.10	2.72	20.91	2.86	24.73	2.99	28.55	3.12	33.13	3.28	36.18	3.39	40.00	3.52
FDXS09L + CTXS12H + FDXS12L + FDXS12L	60.8	18.68	2.65	22.44	2.79	26.20	2.93	29.96	3.06	34.47	3.22	37.48	3.33	41.24	3.47
	64.4	18.22	2.68	21.98	2.82	25.74	2.95	29.50	3.09	34.02	3.25	37.02	3.36	40.78	3.50
	68.0	17.76	2.71	21.52	2.85	25.28	2.98	29.04	3.12	33.56	3.28	36.56	3.39	40.32	3.53
	70.0	17.51	2.73	21.27	2.87	25.03	3.00	28.79	3.14	33.30	3.30	36.31	3.41	40.07	3.54
	71.6	17.30	2.74	21.06	2.88	24.82	3.01	28.58	3.15	33.10	3.31	36.10	3.42	39.86	3.56
	75.2	16.84	2.77	20.60	2.91	24.36	3.04	28.12	3.18	32.64	3.34	35.64	3.45	39.40	3.59
FDXS09L + CTXS12H + FDXS12L + FDXS12L	60.8	18.46	2.72	22.17	2.86	25.89	3.00	29.60	3.14	34.06	3.30	37.03	3.41	40.75	3.55
	64.4	18.00	2.75	21.72	2.89	25.43	3.03	29.15	3.17	33.61	3.33	36.58	3.44	40.29	3.58
	68.0	17.55	2.78	21.26	2.92	24.98	3.06	28.69	3.20	33.15	3.36	36.12	3.47	39.84	3.61
	70.0	17.30	2.80	21.01	2.93	24.73	3.07	28.44	3.21	32.90	3.38	35.87	3.49	39.59	3.63
	71.6	17.10	2.81	20.81	2.95	24.53	3.09	28.24	3.23	32.70	3.39	35.67	3.50	39.39	3.64
	75.2	16.64	2.84	20.36	2.98	24.07	3.12	27.79	3.26	32.24	3.42	35.22	3.54	38.93	3.67

**Symbols:**

- EWB : Entering wet bulb temp. (°F)
- EDB : Entering dry bulb temp. (°F)
- TC : Total capacity (kBtu/h)
- PI : Power input (kW)

**Note:**

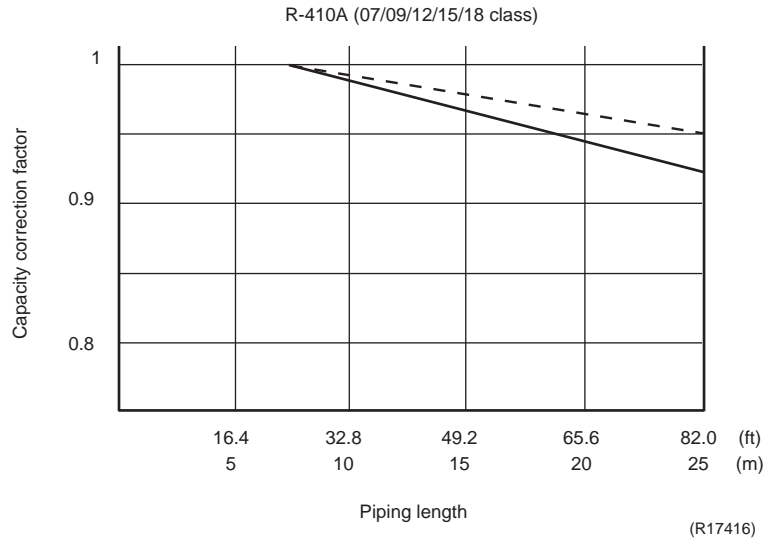
1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ■ shows nominal (rated) capacities and power input.
3. TC and PI must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. Capacities are based on the following conditions.  
Corresponding refrigerant piping length : 25 ft

3D078924 ~ 3D078929  
 3D078930 ~ 3D078939  
 3D078940 ~ 3D078949  
 3D078950 ~ 3D078951

### 7.4 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

The cooling capacity and the heating capacity of the unit have to be corrected in accordance with the length of refrigerant piping — the distance between the indoor unit and the outdoor unit.

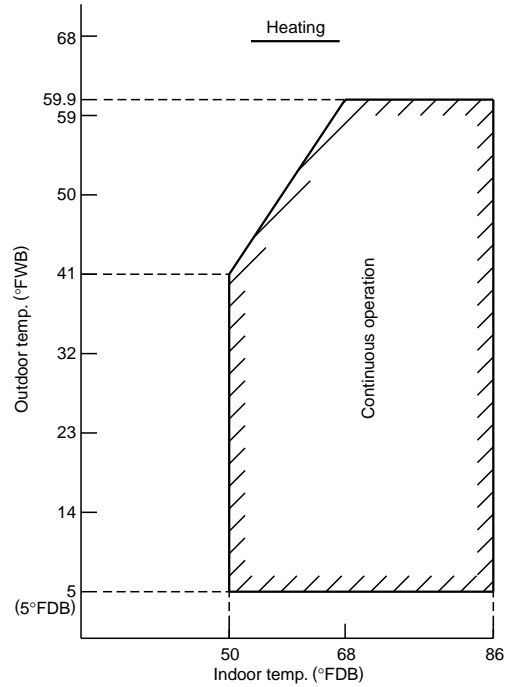
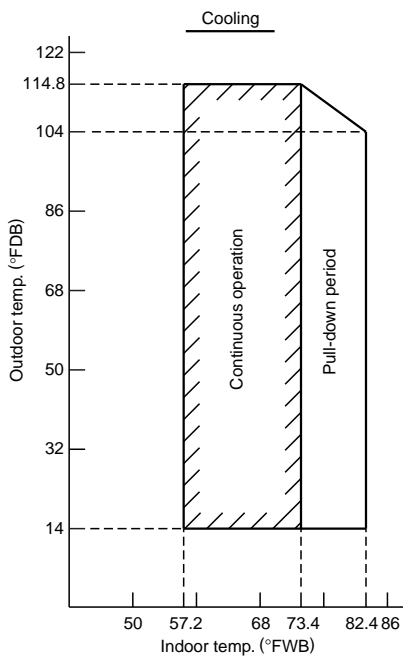
<— line: Cooling capacity>  
 <--- line: Heating capacity>



- Note:**
1. The graph shows the factor when additional refrigerant of the proper quantity is charged.
  2. The variation of the capacity will be smaller when only one indoor unit is in operation.

# 8. Operation Limit

## 2MXS18GVJU



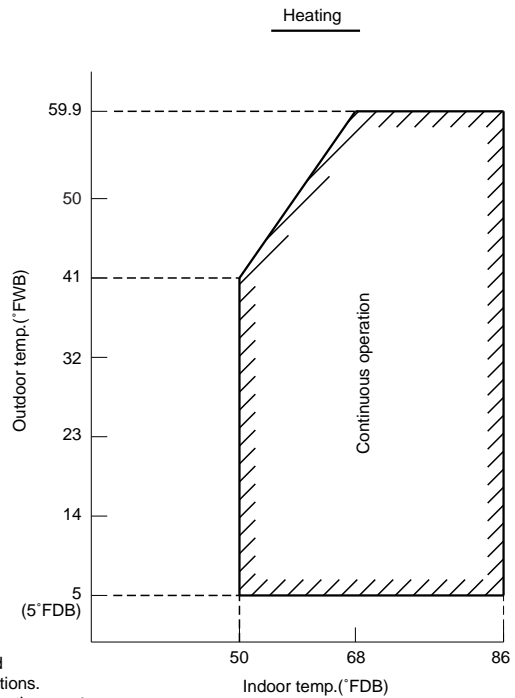
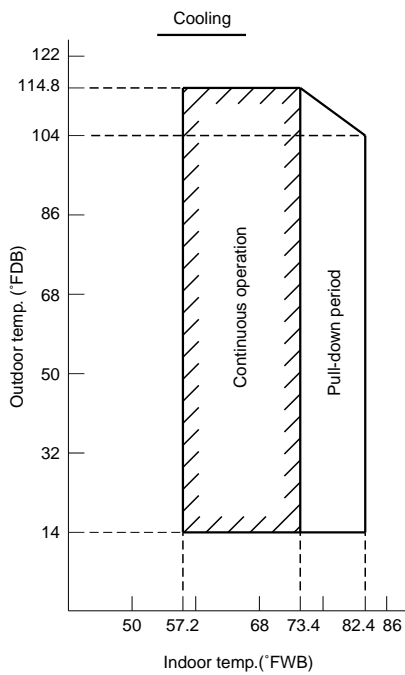
Notes :  
 The graphs are based on the following conditions.

- Equivalent piping length
- Level difference
- Air flow rate

25ft  
 0ft  
 High

3D048149A

## 3MXS24JVJU, 4MXS32GVJU



Notes:  
 The graphs are based on the following conditions.

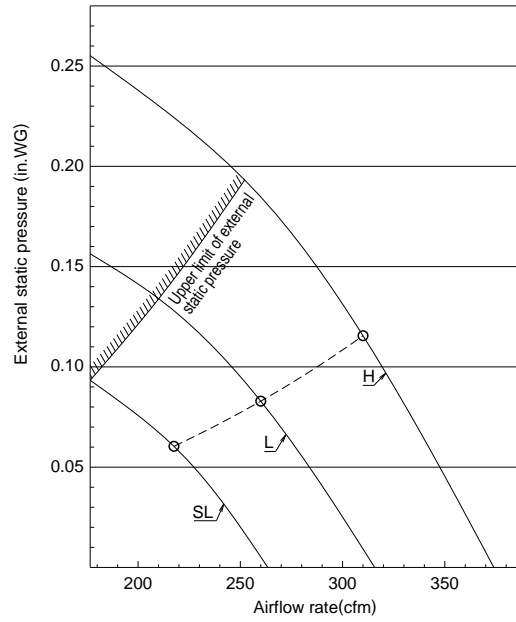
- Equivalent piping length
- Level difference
- Air flow rate

25ft  
 0ft  
 High

3D058507A

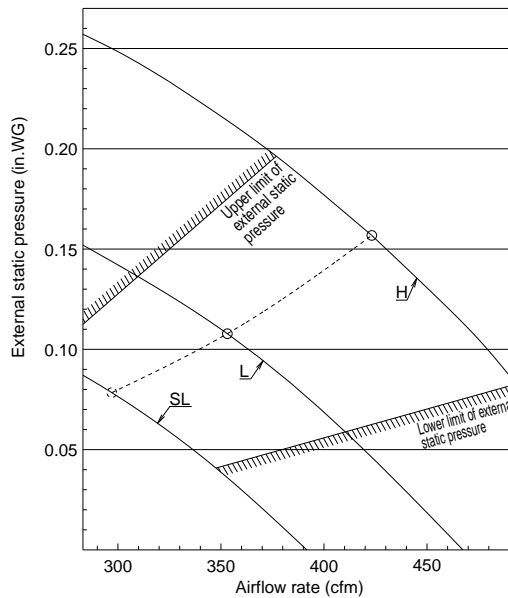
# 9. Fan Characteristics

FDXS09/12LVJU



3D074625

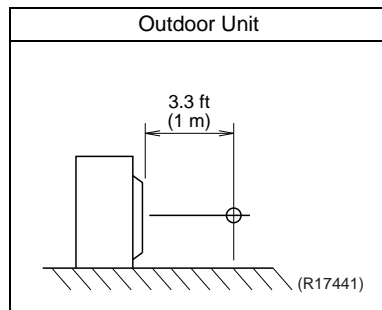
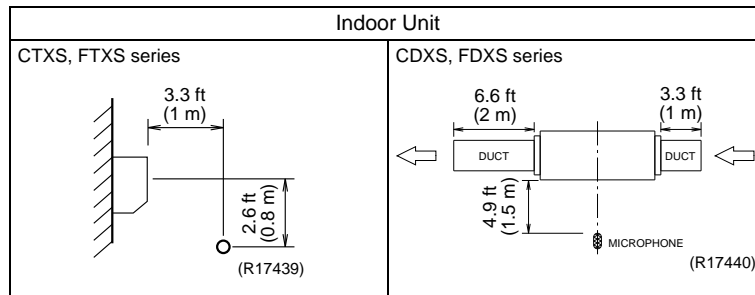
CDXS15/18LVJU



3D075306

# 10. Sound Level

## 10.1 Measuring Location



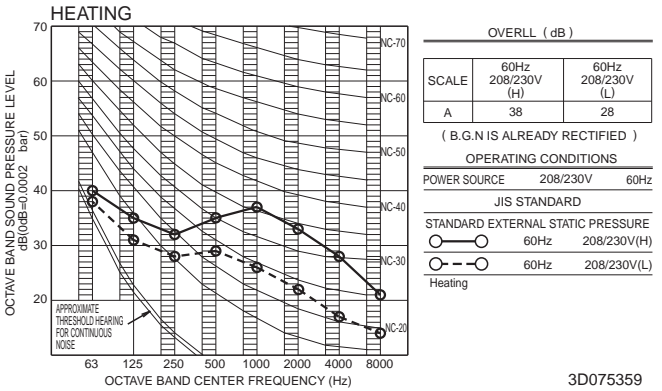
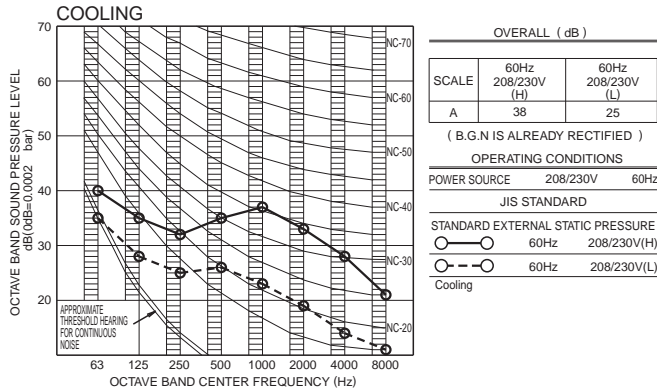
- Note:**
1. Operation sound is measured in an anechoic chamber.
  2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	16.4 ft

## 10.2 Octave Band Level

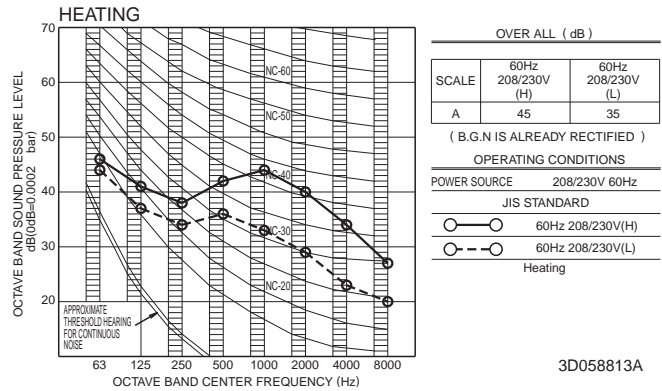
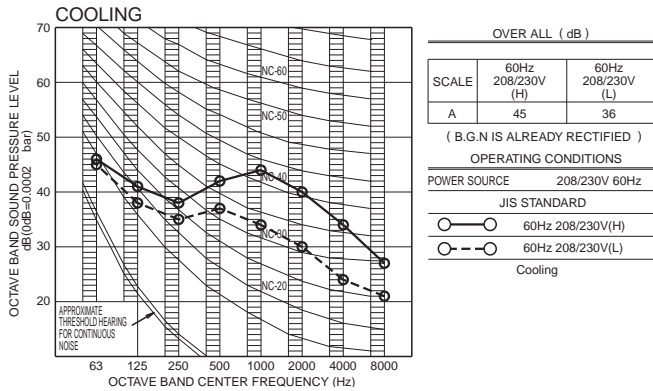
### 10.2.1 Indoor Unit

#### CTXS07LVJU



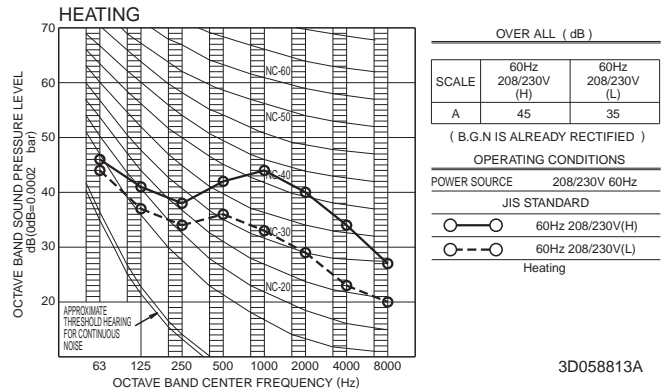
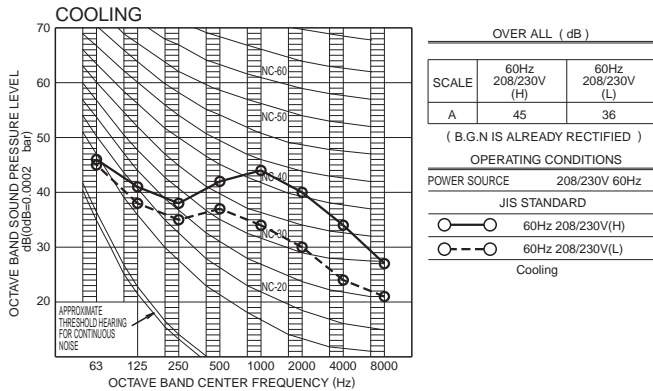
3D075359

#### CTXS09HVJU



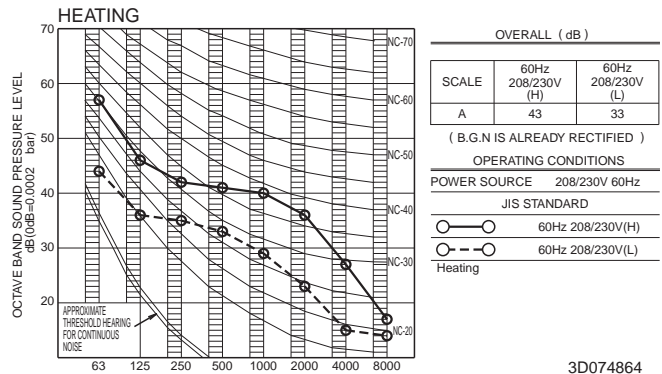
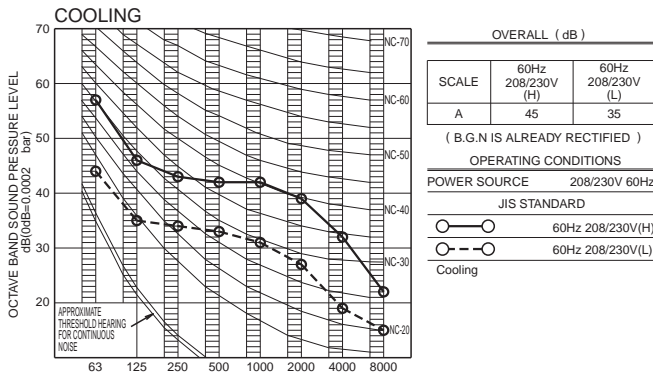
3D058813A

#### CTXS12HVJU



3D058813A

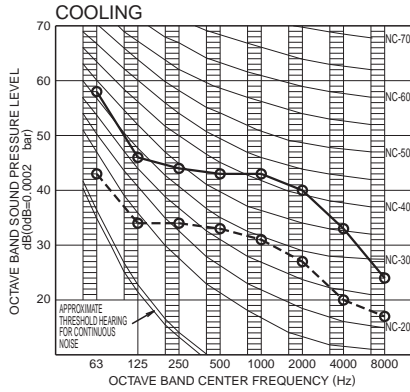
#### FTXS15LVJU



3D074864



FTXS18LVJU



OVERALL (dB)

SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	46	36

( B.G.N IS ALREADY RECTIFIED )

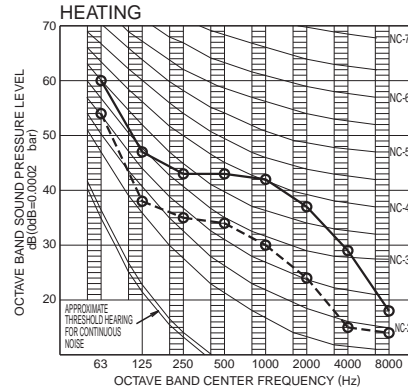
OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

JIS STANDARD

○—○ 60Hz 208/230V(H)  
○- -○ 60Hz 208/230V(L)

Cooling



OVERALL (dB)

SCALE	60Hz 208/230V (H)	60Hz 208/230V (L)
A	45	35

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V 60Hz

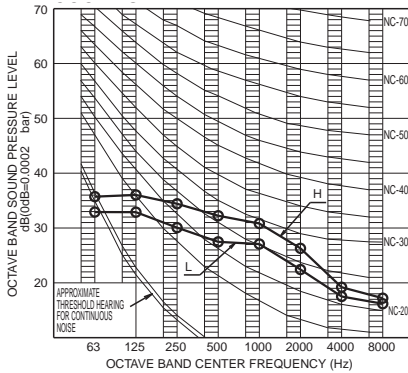
JIS STANDARD

○—○ 60Hz 208/230V(H)  
○- -○ 60Hz 208/230V(L)

Heating

3D074865

FDXS09/12LVJU



OVERALL (dB)

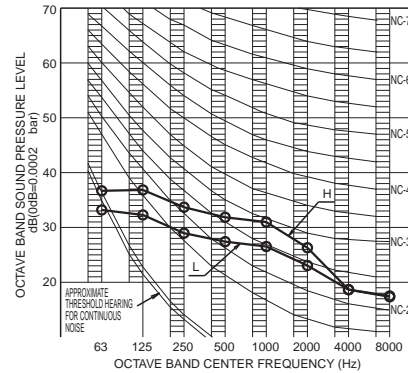
SCALE	HI	LOW
A	35	31

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208-230V/60Hz

COOLING RETURN AIR TEMPERATURE: 80°FDB, 67°FWB  
OUTDOOR TEMPERATURE: 95°FDB, 75°FWB



OVERALL (dB)

SCALE	HI	LOW
A	35	31

( B.G.N IS ALREADY RECTIFIED )

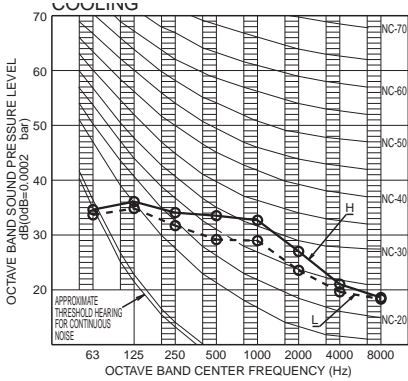
OPERATING CONDITIONS

POWER SOURCE 208-230V/60Hz

HEATING RETURN AIR TEMPERATURE: 70°FDB, 60°FWB  
OUTDOOR TEMPERATURE: 47°FDB, 43°FWB

3D074623

CDXS15/18LVJU



OVERALL (dB)

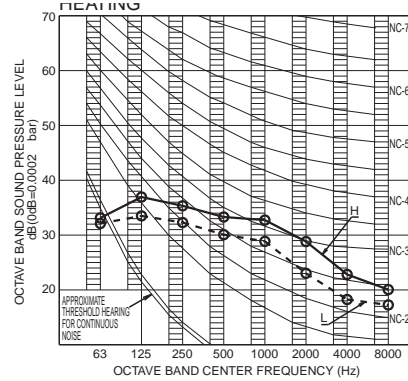
SCALE	AIR FLOW RATE	
	HI	LOW
A	37	33

( B.G.N IS ALREADY RECTIFIED )

OPERATING CONDITIONS

POWER SOURCE 208/230V, 60Hz

STANDARD CONDITION (JIS)



OVERALL (dB)

SCALE	AIR FLOW RATE	
	HI	LOW
A	37	33

( B.G.N IS ALREADY RECTIFIED )

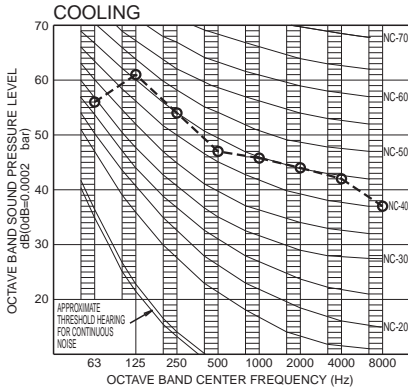
OPERATING CONDITIONS

POWER SOURCE 208/230V, 60Hz

STANDARD CONDITION (JIS)

3D075272

10.2.2 Outdoor Unit  
2MXS18GVJU

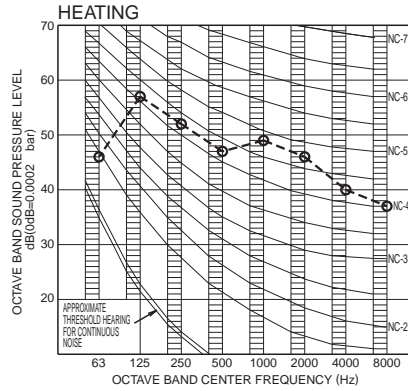


OVERALL (dB)

SCALE	60Hz 208/230V(H)
A	50

( B.G.N IS ALREADY RECTIFIED )  
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
JIS STANDARD (JIS9612)	Cooling



OVERALL (dB)

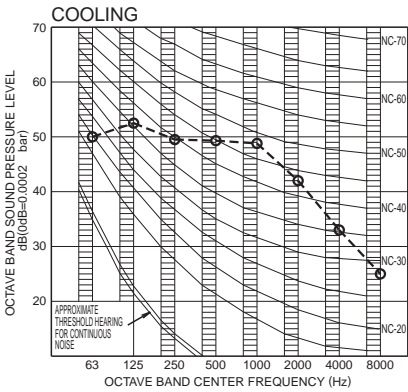
SCALE	60Hz 208/230V(H)
A	51

( B.G.N IS ALREADY RECTIFIED )  
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
JIS STANDARD (JIS9612)	Heating

3D048472A

3MXS24JVJU, 4MXS32GVJU

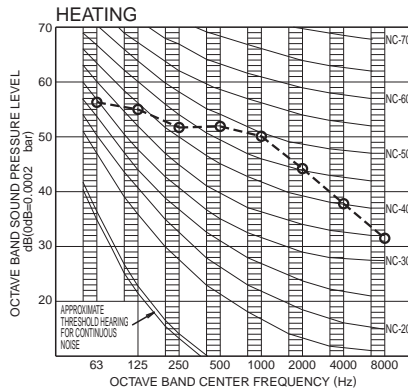


OVERALL (dB)

SCALE	60Hz 208/230V
A	52

( B.G.N IS ALREADY RECTIFIED )  
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
JIS STANDARD (JIS9612)	Cooling



OVERALL (dB)

SCALE	60Hz 208/230V
A	54

( B.G.N IS ALREADY RECTIFIED )  
OPERATING CONDITIONS

POWER SOURCE	208/230V 60Hz
JIS STANDARD (JIS9612)	Heating

3D058787A

## 11. Electric Characteristics

Outdoor Unit	Power Supply						Comp.		OFM	
	Hz	Volts	Min.	Max.	MCA	MOP	MSC	RLA	W	FLA
2MXS18GVJU	60	208	187	229	11.1	20	9.1	8.5	53	0.26
		230	207	253			8.3	7.7		
3MXS24JVJU	60	208	187	229	17.8	20	13.3	11.7	66	1.02
		230	207	253			12.0	10.4		
4MXS32GVJU	60	208	187	229	18.0	20	15.3	13.6	66	1.02
		230	207	253			13.8	12.1		

### Symbols:

MCA : Min. circuit amps (A)  
 MOP : Max. overcurrent protection (A)  
 MSC : Max. current during starting compressor (A)  
 RLA : Rated load amps (A)  
 OFM : Outdoor fan motor  
 W : Fan motor rated output (W)  
 FLA : Full load amps (A)

### Note:

- RLA is based on the following conditions.  
 Cooling  
 Indoor temp.: 80°FDB (27°CDB) / 67°FWB (19°CWB)  
 Outdoor temp.: 95°FDB (35°CDB)
- Voltage range:  
 Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current.  
 MOP represents capacity which may accept MCA.
- Select wire size based on the large value of MCA.
- MOP is used to select the circuit breaker and the ground fault circuit interrupter.
- Be sure to install a ground leakage detector that can handle higher harmonics. This unit uses an inverter, so it requires a ground leakage detector capable of handling high harmonics in order to prevent malfunctioning of the ground leakage detector .

3D059055A

# Part 2

## Installation Manual

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# 1. Safety Considerations

Read these **SAFETY CONSIDERATIONS for Installation** carefully before installing an air conditioner or heat pump. After completing the installation, make sure that the unit operates properly during the startup operation.

Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
  -  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
  -  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
  -  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.
- **Refrigerant gas is heavier than air and replaces oxygen. A massive leak can lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.**
  - **Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding can cause a severe shock hazard resulting in severe injury or death. Additionally, grounding to gas pipes could cause a gas leak and potential explosion causing severe injury or death.**
  - **If refrigerant gas leaks during installation, ventilate the area immediately. Refrigerant gas may produce toxic gas if it comes into contact with fire. Exposure to this gas could cause severe injury or death.**
  - **After completing the installation work, check that the refrigerant gas does not leak throughout the system.**
  - **Do not install unit in an area where flammable materials are present due to risk of explosions that can cause serious injury or death.**
  - **Safely dispose all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation may cause injuries or death by suffocation.**
  - **Only qualified personnel must carry out the installation work. Installation must be done in accordance with this installation manual. Improper installation may result in water leakage, electric shock, or fire.**
  - **When installing the unit in a small room, take measures to keep the refrigerant concentration from exceeding allowable safety limits. Excessive refrigerant leaks, in the event of an accident in a closed ambient space, can lead to oxygen deficiency.**
  - **Use only specified accessories and parts for installation work. Failure to use specified parts may result in water leakage, electric shocks, fire, or the unit falling.**
  - **Install the air conditioner or heat pump on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength may result in the unit falling and causing injuries.**
  - **Take into account strong winds, typhoons, or earthquakes when installing. Improper installation may result in the unit falling and causing accidents.**
  - **Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local, state, and national regulations. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.**
  - **Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation may result in fire.**
  - **When wiring, position the wires so that the terminal box lid can be securely fastened. Improper positioning of the terminal box lid may result in electric shocks, fire, or the terminals overheating.**
  - **Before touching electrical parts, turn off the unit.**
  - **This equipment can be installed with a Ground-Fault Circuit Breaker (GFCI). Although this is a recognized measure for additional protection, with the earthing system in North America, a dedicated GFCI is not necessary.**

- Securely fasten the unit terminal cover (panel). If the terminal cover/panel is not installed properly, dust or water may enter the condenser unit causing fire or electric shock.
- When installing or relocating the system, keep the refrigerant circuit free from substances other than the specified refrigerant (R-410A) such as air. Any presence of air or other foreign substance in the refrigerant circuit can cause an abnormal pressure rise or rupture, resulting in injury.
- Do not change the setting of the protection devices. If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion may occur.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not touch the refrigerant pipes during and immediately after operation as the refrigerant pipes may be hot or cold, depending on the condition of the refrigerant flowing through the refrigerant piping, compressor, and other refrigerant cycle parts. Your hands may suffer burns or frostbite if you touch the refrigerant pipes. To avoid injury, give the pipes time to return to normal temperature or, if you must touch them, be sure to wear proper gloves.
- Install drain piping to proper drainage. Improper drain piping may result in water leakage and property damage.
- Insulate piping to prevent condensation.
- Be careful when transporting the product.
- Do not turn off the power immediately after stopping operation. Always wait for at least 5 minutes before turning off the power. Otherwise, water leakage may occur.
- Do not use a charging cylinder. Using a charging cylinder may cause the refrigerant to deteriorate.
- Refrigerant R-410A in the system must be kept clean, dry, and tight.
  - (a) Clean and Dry -- Foreign materials (including mineral oils such as SUNISO oil or moisture) should be prevented from getting into the system.
  - (b) Tight -- R-410A does not contain any chlorine, does not destroy the ozone layer, and does not reduce the earth's protection against harmful ultraviolet radiation. R-410A can contribute to the greenhouse effect if it is released. Therefore take proper measures to check for the tightness of the refrigerant piping installation. Read the chapter *Refrigerant Piping* and follow the procedures.
- Since R-410A is a blend, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in a state of gas, its composition can change and the system will not work properly.
- The indoor unit is for R-410A. See the catalog for indoor models that can be connected. Normal operation is not possible when connected to other units.
- Remote controller (wireless kit) transmitting distance can be shorter than expected in rooms with electronic fluorescent lamps (inverter or rapid start types). Install the indoor unit far away from fluorescent lamps as much as possible.
- Indoor units are for indoor installation only. Outdoor units can be installed either outdoors or indoors. This unit is for indoor use.
- Do not install the air conditioner or heat pump in the following locations:
  - (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.  
Plastic parts may deteriorate and fall off or result in water leakage.
  - (b) Where corrosive gas, such as sulfuric acid gas, is produced.  
Corroding copper pipes or soldered parts may result in refrigerant leakage.
  - (c) Near machinery emitting electromagnetic waves.  
Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
  - (d) Where flammable gas may leak, where there is carbon fiber, or ignitable dust suspension in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions can cause a fire.

- Take adequate measures to prevent the condenser unit from being used as a shelter by small animals. Small animals making contact with electrical parts can cause malfunctions, smoke, or fire. Instruct the customer to keep the area around the unit clean.
- Install the power supply and control wires for the indoor and outdoor units at least 3.5 feet away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet may not be sufficient to eliminate the noise.
- Dismantling the unit, treatment of the refrigerant, oil and additional parts must be done in accordance with the relevant local, state, and national regulations.
- Do not use the following tools that are used with conventional refrigerants: gauge manifold, charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, or refrigerant recovery equipment.
- If the conventional refrigerant and refrigerator oil are mixed in R-410A, the refrigerant may deteriorate.
- This air conditioner or heat pump is an appliance that should not be accessible to the general public.
- As design pressure is 478 psi, the wall thickness of field-installed pipes should be selected in accordance with the relevant local, state, and national regulations.

## 2. Indoor Unit

### 2.1 CTXS07LVJU, FTXS09/12LVJU

## Accessories

Indoor unit (A)–(L)

(A) Mounting plate	1	(E) Remote controller holder	1	(J) Tube	1
(B) Mounting plate fixing screw 3/16" × 1" (M4 × 25mm)	5	(F) Fixing screw for remote controller holder 1/8" × 13/16" (M3 × 20mm)	2	(K) Operation manual	1
(C) Titanium apatite photocatalytic air-purifying filter	2	(G) Dry battery AAA. LR03 (alkaline)	2	(L) Installation manual	1
(D) Wireless remote controller	1	(H) Indoor unit fixing screw 3/16" × 1/2" (M4 × 12mm)	2		

2

## Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

### 1. Indoor unit

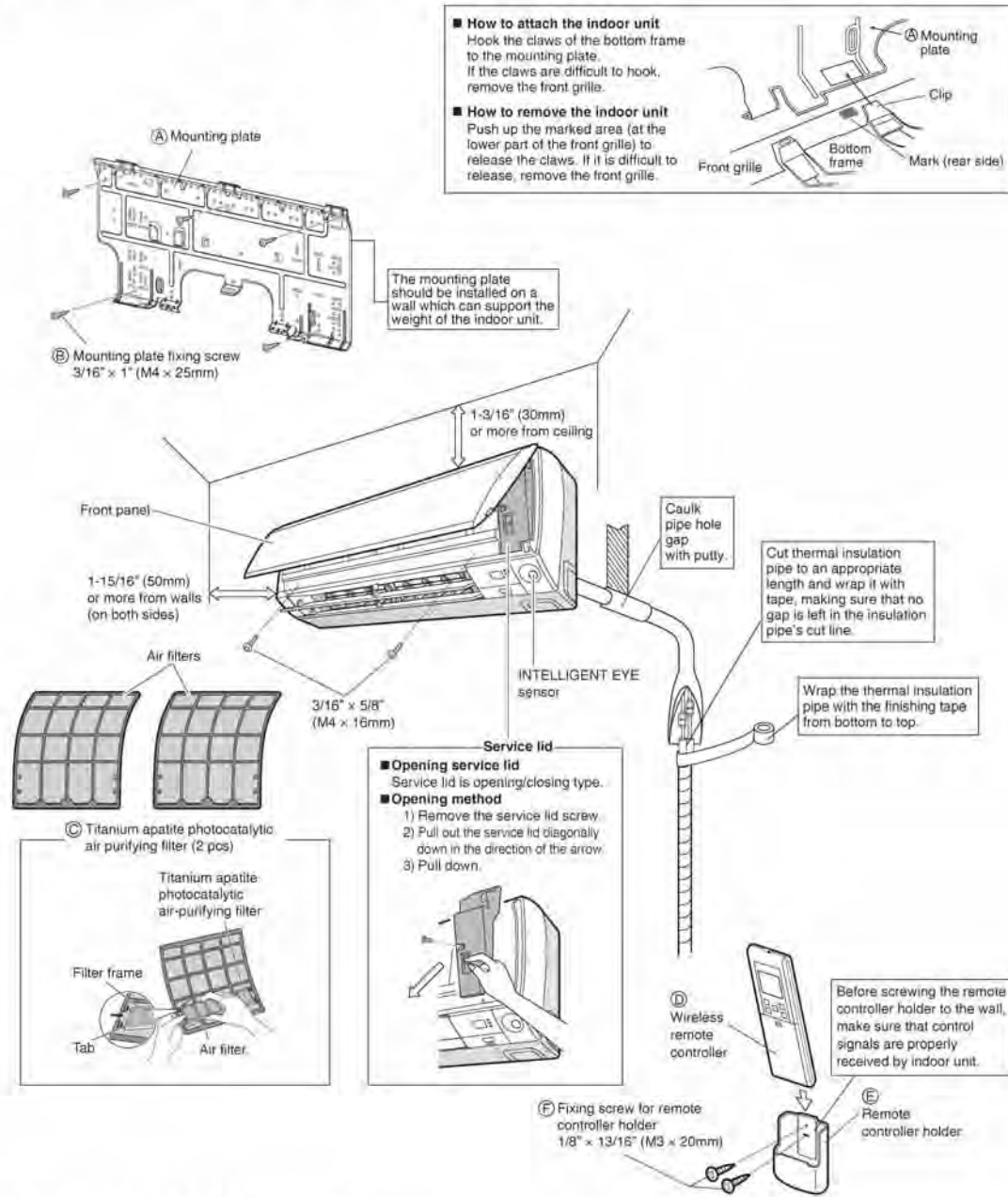
- The indoor unit should be sited in a place where:
  - 1) the restrictions on installation specified in the indoor unit installation drawings are met
  - 2) both air inlet and air outlet have clear paths met
  - 3) the unit is not in the path of direct sunlight
  - 4) the unit is away from the source of heat or steam
  - 5) there is no source of machine oil vapor (this may shorten indoor unit life)
  - 6) cool (warm) air is circulated throughout the room
  - 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range
  - 8) the unit is at least 3.5ft (1m) away from any television or radio set (unit may cause interference with the picture or sound)
  - 9) install at the recommended height 6ft (1.8m)
  - 10) no laundry equipment is located in the space

### 2. Wireless remote controller

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 23ft/7m).



# Indoor Unit Installation Drawings



## INTELLECTIVE EYE sensor

### ⚠ CAUTION

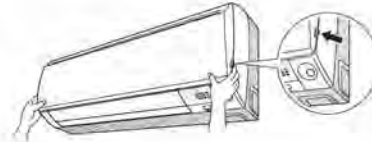
- Do not hit or forcefully push the INTELLECTIVE EYE sensor. This can lead to damage and malfunction.
- Do not place large objects near the sensor. Keep heating units or humidifiers outside the sensor's detection area.

# Preparation before Installation

## 1. Removing and installing front panel

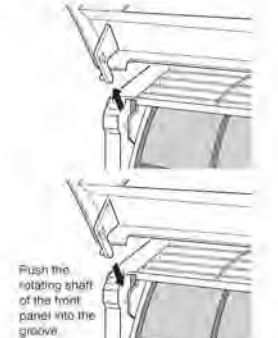
**• Removal method**

Hook fingers on the tabs on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



**• Installation method**

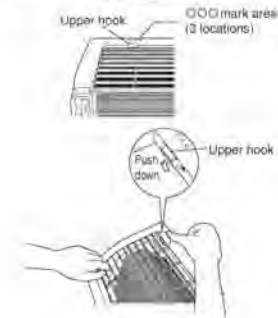
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



## 2. Removing and installing front grille

**• Removal method**

- 1) Remove front panel to remove the air filter.
- 2) Remove 2 screws from the front grille.
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



### When there is no work space because the unit is close to ceiling

**⚠ CAUTION**

- Be sure to wear protection gloves.

Place both hands under the center of the front grille, and while pushing up, pull it toward you.

**• Installation method**

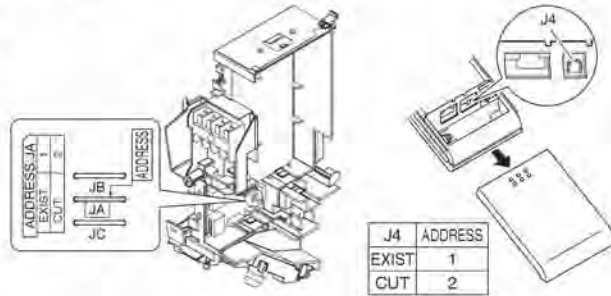
- 1) Install the front grille and firmly engage the upper hooks (3 locations).
- 2) Install 2 screws of the front grille.
- 3) Install the air filter and then mount the front panel.



### 3. How to set the different addresses

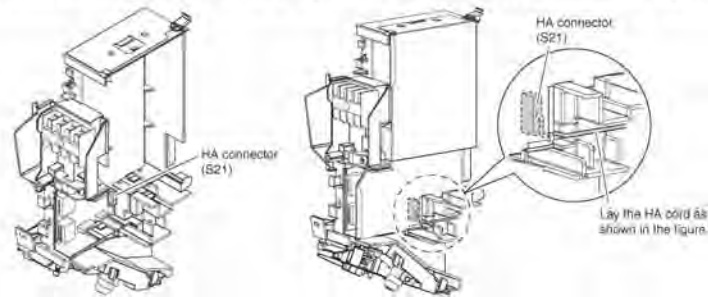
When 2 indoor units are installed in one room, the 2 wireless remote controllers can be set for different addresses.

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **When connecting to an HA system.**)
- 2) Cut the address jumper (JA) on the printed circuit board.
- 3) Cut the address jumper (J4) in the remote controller.



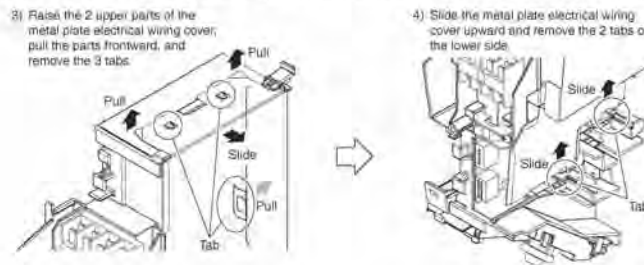
### 4. When connecting to an HA system (wired remote controller, central remote controller etc.)

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **Removal/attachment methods of metal plate electrical wiring covers.**)
- 2) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 3) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.



#### Removal methods of metal plate electrical wiring cover

- 1) Remove the front grille.
- 2) Remove the electrical wiring box. (1 screw)
- 3) Raise the 2 upper parts of the metal plate electrical wiring cover, pull the parts forward, and remove the 3 tabs.
- 4) Slide the metal plate electrical wiring cover upward and remove the 2 tabs on the lower side.

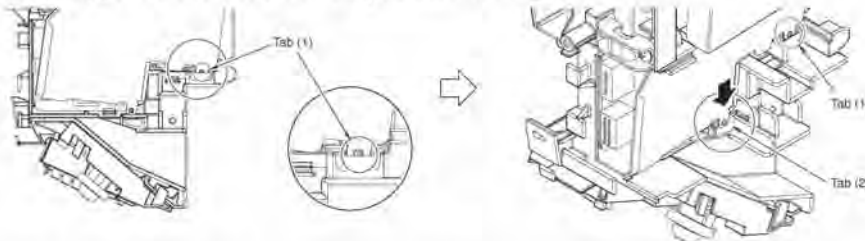


# Preparation before Installation

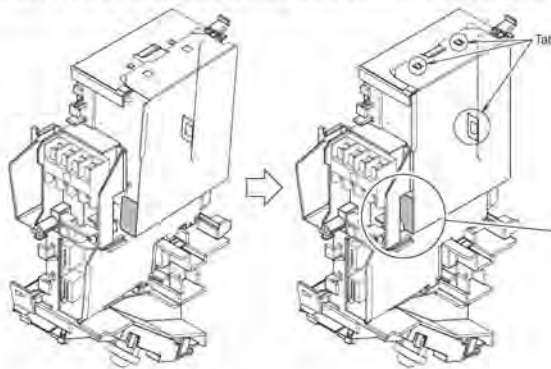
• **Attachment methods of metal plate electrical wiring cover**

Attach the metal plate electrical wiring cover as shown below.

- 1) Lean the metal plate electrical wiring cover as shown in the figure and attach tab (1) on the lower side to the electrical wiring box.
- 2) Attach tab (2) on the lower side of the metal plate electrical wiring cover.



- 3) Push in the upper part of the metal plate electrical wiring cover and attach the 3 tabs.



**CAUTION**

- Make sure that the shaded part (■) will not go inside the electrical wiring box.

# Refrigerant Piping Work

## 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.

(Cut exactly at right angles.) Remove burrs.

Check: The pipe end must be evenly flared in a perfect circle. Make sure that the flare nut is fitted.

Flare's inner surface must be flay-free.

Set exactly at the position shown below.		Flaring			
		Flare tool for R410A		Conventional flare tool	
		Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)	
A	0-0.020 inch (0-0.5mm)	0.039-0.059 inch (1.0-1.5mm)	0.059-0.079 inch (1.5-2.0mm)		

**WARNING**

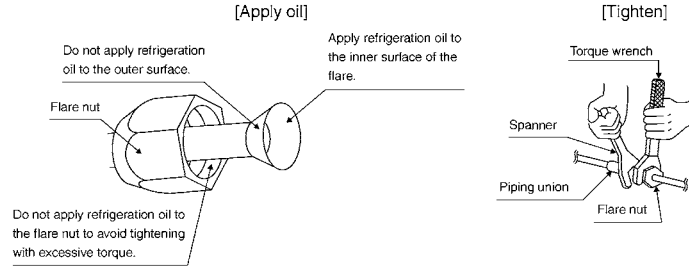
- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Never install a drier to this R410A unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

## 2. Refrigerant piping

### ⚠ CAUTION

- Use the flare nut fixed to the main unit to prevent it from cracking and deteriorating from age.
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

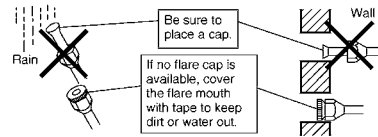
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque	
Gas side	Liquid side
3/8 inch (9.5mm)	1/4 inch (6.4mm)
24.1-29.4ft • lbf (32.7-39.9N • m)	10.4-12.7ft • lbf (14.2-17.2N • m)

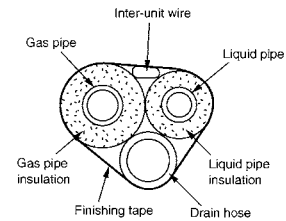
### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:
  - 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/ftth°F (0.035 to 0.045kcal/mh°C))  
Be sure to use insulation that is designed for use with HVAC Systems.



- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side	Liquid side	Gas pipe thermal insulation	Liquid pipe thermal insulation
O.D. 3/8 inch (9.5mm)	O.D. 1/4 inch (6.4mm)	I.D. 15/32-19/32 inch (12-15mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius		Thickness 13/32 inch (10mm) Min.	
1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)			

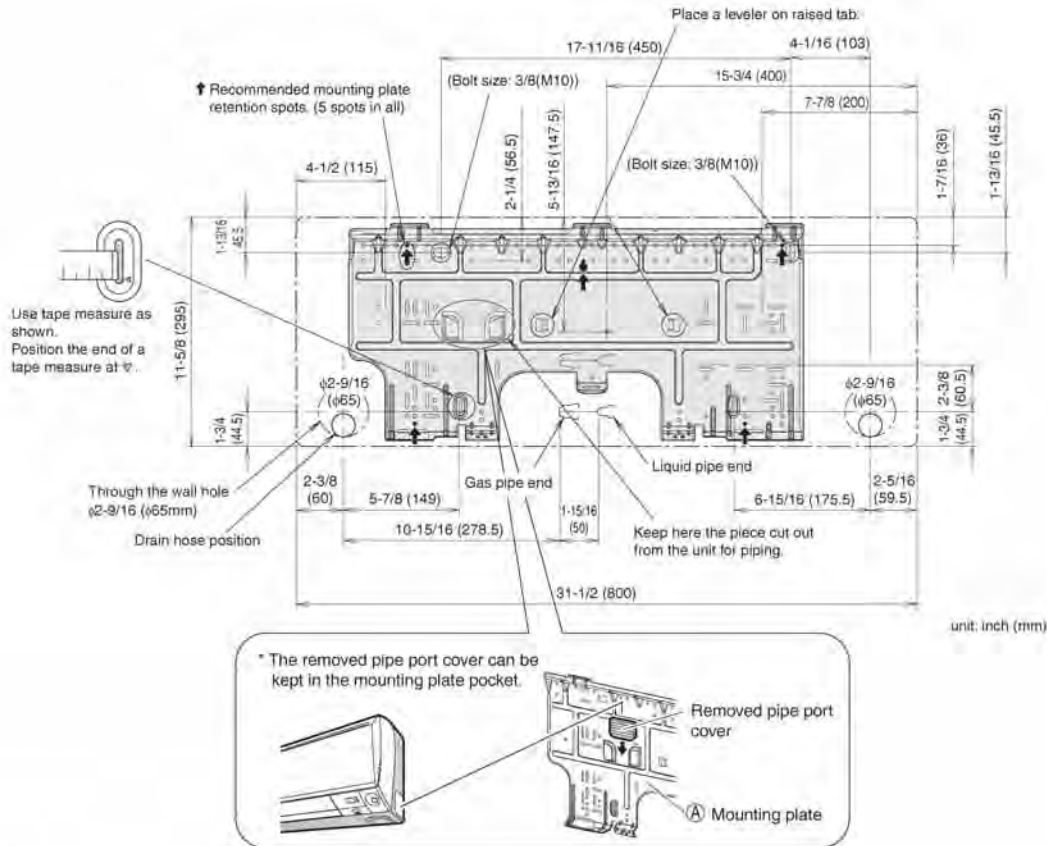
- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

# Indoor Unit Installation

## 1. Installing the mounting plate

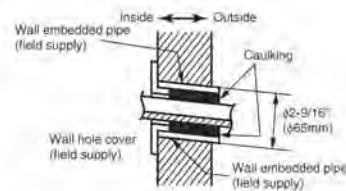
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
  - Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
  - Secure the mounting plate to the wall with screws.

### Recommended mounting plate retention spots and dimensions



## 2. Boring a wall hole and installing wall embedded pipe

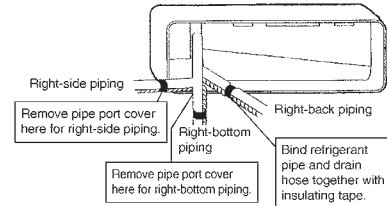
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
  - Bore a feed-through hole of 2-9/16 inch (65mm) in the wall so it has a down slope toward the outside.
  - Insert a wall pipe into the hole.
  - Insert a wall cover into wall pipe.
  - After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



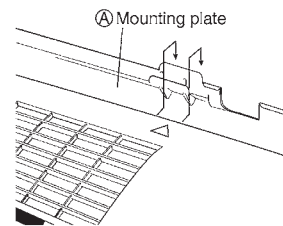
### 3. Laying piping, hoses, and wiring

#### 3-1. Right-side, right-back, or right-bottom piping

- 1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.

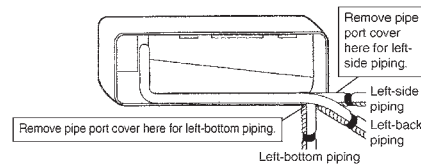


- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.



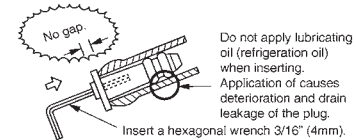
#### 3-2. Left-side, left-back, or left-bottom piping

- 1) Replace the drain plug and drain hose.
- 2) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.

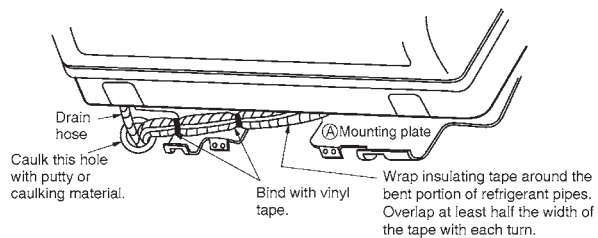


- 3) Be sure to connect the drain hose to the drain port in place of a drain plug.

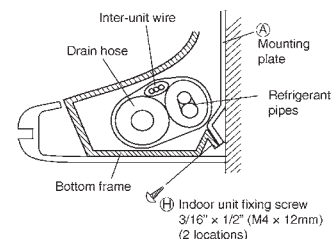
#### How to set drain plug.



- 4) Shape the refrigerant pipes along the pipe path marking on the mounting plate.
- 5) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 6) Pull in the inter-unit wire.
- 7) Connect the inter-unit pipes.



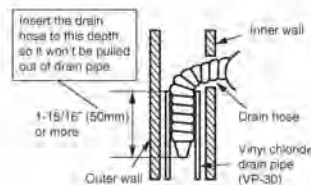
- 8) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 9) While exercising care so that the inter-unit wire does not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with indoor unit fixing screws  $3/16 \times 1/2$  inch (M4  $\times$  12mm).



# Indoor Unit Installation

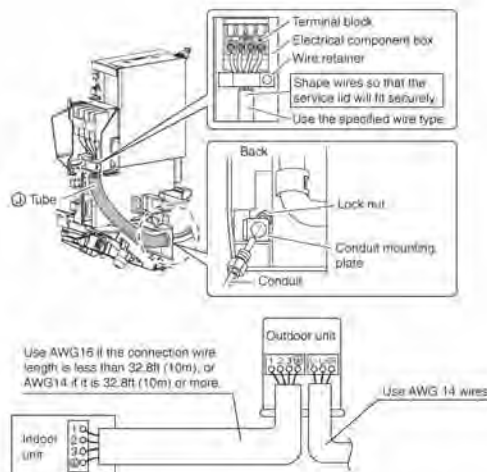
## 3-3. Wall embedded piping

- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



## 4. Wiring

- 1) As shown in the illustration on the right-hand side, insert the wires including the ground wire into the conduit and secure them with lock nut onto the conduit mounting plate.
- 2) Insert the wires including the ground wire into  $\text{J}$  tube.
  - Cut  $\text{J}$  tube when  $\text{J}$  tube is too long.
- 3) Strip wire ends (9/16 inch (15mm)).
- 4) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 5) Connect the ground wires to the corresponding terminals.
- 6) Pull the wires and check that the wires are securely fixed to the terminal block.
- 7) In case of connecting to an adapter system, run the remote controller cable and attach the S21. (Refer to P5 when connecting to an HA system.)
- 8) Shape the wires so that the service lid fits securely, then close service lid.



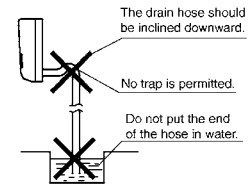
### **⚠ WARNING**

- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- When carrying out wiring connection, take care not to pull at the conduit.
- Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

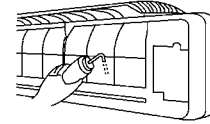


## 5. Drain piping

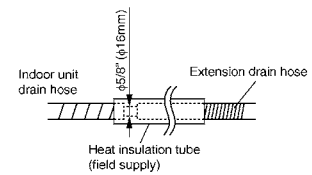
1) Connect the drain hose, as described right.



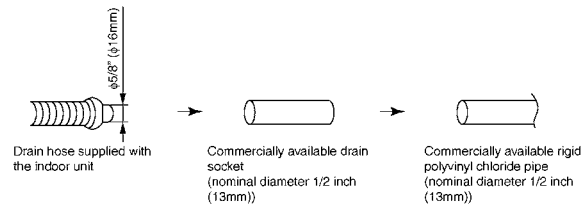
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available.  
Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



# Trial Operation and Testing

## 1. Trial operation and testing

1-1 Measure the supply voltage and make sure that it falls in the specified range.

1-2 Trial operation should be carried out in either cooling or heating mode.

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

1) Trial operation may be disabled in either mode depending on the room temperature.

Use the remote controller for trial operation as described below.

2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).

3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as fin movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

### Trial operation from remote controller

1) Press "ON/OFF" button to turn on the system.

2) Press "TEMP" button (2 locations) and "MODE" button at the same time.

3) Press "MODE" button twice.

(" ? " will appear on the display to indicate that trial operation mode is selected.)

4) Trial operation terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press "ON/OFF" button.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for inter-unit wiring.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or air outlet has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote control commands.	Inoperative	
The heat pump or cooling only mode is selectable with the DIP switch of the remote controller.	Remote controller malfunctioning	

C: 3P297301-1

## 2.2 FTXS15/18LVJU

# Accessories

Indoor unit (A) – (M)

(A) Mounting plate	1	(E) Remote controller holder	1	(J) Tube	1
(B) Mounting plate fixing screw 3/16" × 1" (M4 × 25mm)	9	(F) Fixing screw for remote controller holder 1/8" × 13/16" (M3 × 20mm)	2	(K) Operation manual	1
(C) Titanium apatite photocatalytic air-purifying filter	2	(G) Dry battery AAA, LR03 (alkaline)	2	(L) Installation manual	1
(D) Wireless remote controller	1	(H) Indoor unit fixing screw 3/16" × 1/2" (M4 × 12mm)	2	(M) Screw cover	3

## Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

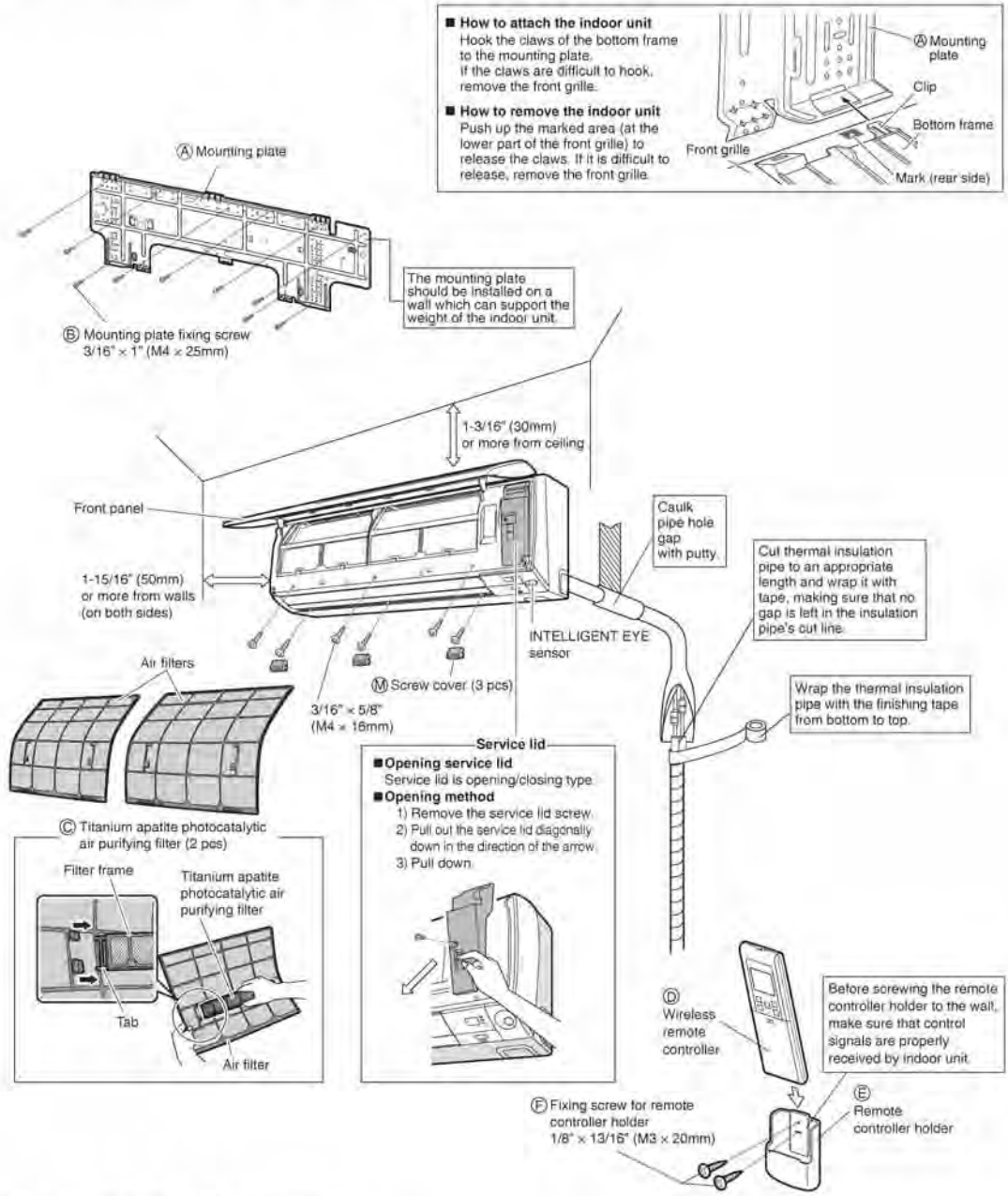
### 1. Indoor unit

- The indoor unit should be sited in a place where:
  - 1) the restrictions on installation specified in the indoor unit installation drawings are met
  - 2) both air inlet and air outlet have clear paths met
  - 3) the unit is not in the path of direct sunlight
  - 4) the unit is away from the source of heat or steam
  - 5) there is no source of machine oil vapor (this may shorten indoor unit life)
  - 6) cool (warm) air is circulated throughout the room
  - 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range
  - 8) the unit is at least 3.5ft (1m) away from any television or radio set (unit may cause interference with the picture or sound)
  - 9) install at the recommended height 6ft (1.8m)
  - 10) no laundry equipment is located in the space

### 2. Wireless remote controller

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 23ft/7m).

# Indoor Unit Installation Drawings



## INTELLIGENT EYE sensor

### ⚠ CAUTION

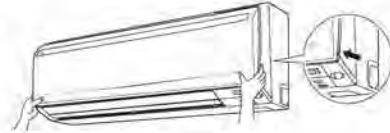
- Do not hit or forcefully push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.
- Do not place large objects near the sensor. Keep heating units or humidifiers outside the sensor's detection area.

# Preparation before Installation

## 1. Removing and installing front panel

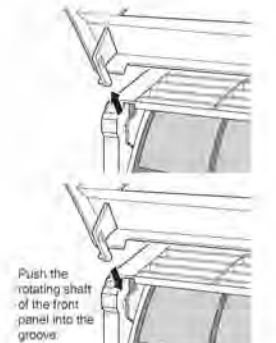
### • Removal method

Hook fingers on the tabs on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



### • Installation method

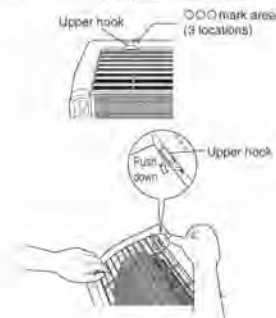
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



## 2. Removing and installing front grille

### • Removal method

- 1) Remove front panel to remove the air filter.
- 2) Remove 6 screws from the front grille.
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



## When there is no work space because the unit is close to ceiling

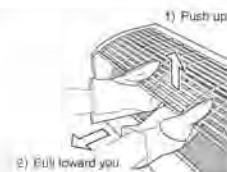
### ⚠ CAUTION

- Be sure to wear protection gloves.

Place both hands under the center of the front grille, and while pushing up, pull it toward you.

### • Installation method

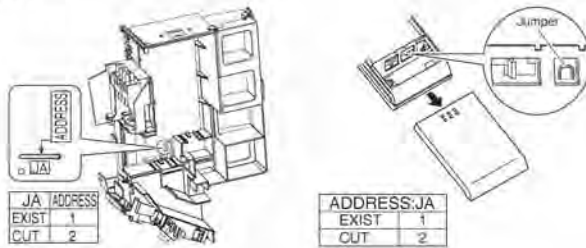
- 1) Install the front grille and firmly engage the upper hooks (3 locations).
- 2) Install 6 screws of the front grille.
- 3) Install the air filter and then mount the front panel.



### 3. How to set the different addresses

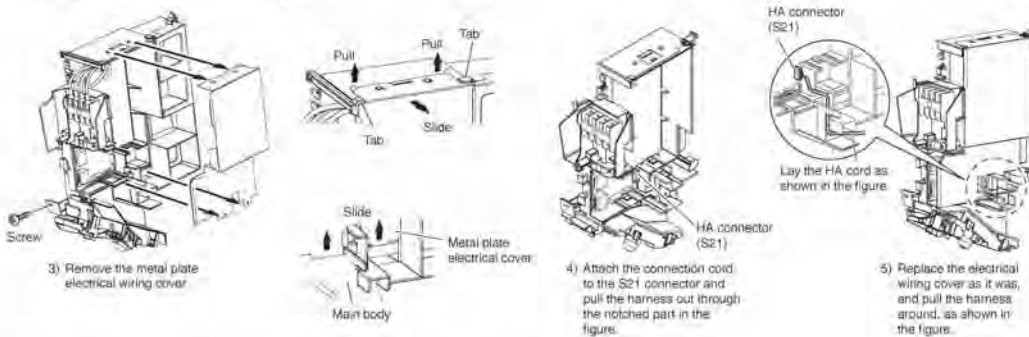
When 2 indoor units are installed in one room, the 2 wireless remote controllers can be set for different addresses.

- 1) Remove the metal plate electrical wiring cover.  
(Refer to the **When connecting to an HA system.**)
- 2) Cut the address jumper (JA) on the printed circuit board.
- 3) Cut the address jumper (JA) in the remote controller.



### 4. When connecting to an HA system (wired remote controller, central remote controller etc.)

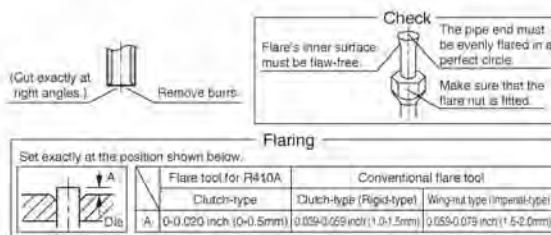
- 1) Remove the front grille. (6 screws)
- 2) Remove the electrical wiring box. (1 screw)
- 3) Remove the metal plate electrical wiring cover. (4 tabs)
- 4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.



## Refrigerant Piping Work

### 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



#### ⚠ WARNING

- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Never install a drier to this R410A unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

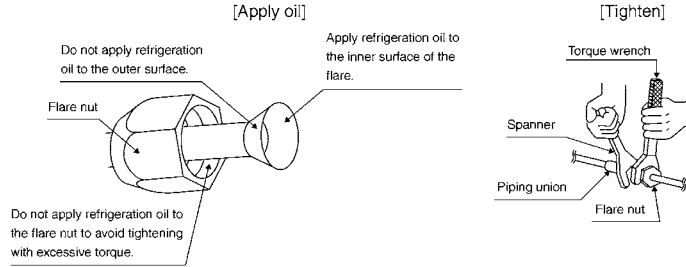
# Refrigerant Piping Work

## 2. Refrigerant piping

### ⚠ CAUTION

- Use the flare nut fixed to the main unit to prevent it from cracking and deteriorating from age.
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

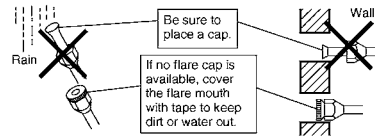
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque		
Gas side		Liquid side
15,18 class	24 class	
1/2 inch (12.7mm)	5/8 inch (15.9mm)	1/4 inch (6.4mm)
36.5-44.5ft • lbf (49.5-60.3N • m)	45.6-55.6ft • lbf (61.8-75.4N • m)	10.4-12.7ft • lbf (14.2-17.2N • m)

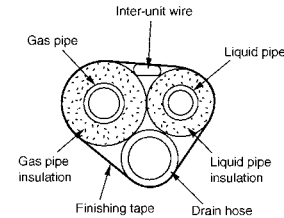
### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:
- 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/ft•F (0.035 to 0.045kcal/mh•C))  
Be sure to use insulation that is designed for use with HVAC Systems.



- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
15,18 class	24 class		15,18 class	24 class	
O.D. 1/2 inch (12.7mm)	O.D. 5/8 inch (15.9mm)	O.D. 1/4 inch (6.4mm)	I.D. 9/16-5/8 inch (14-16mm)	I.D. 5/8-25/32 inch (16-20mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius			Thickness 13/32 inch (10mm) Min.		
1-9/16 inch (40mm) or more		1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)					

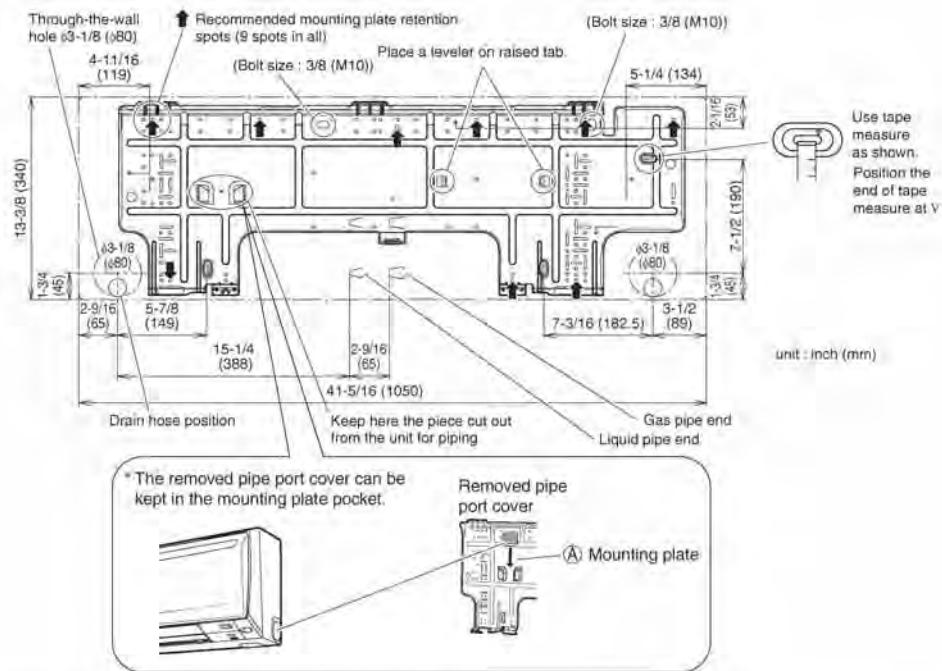
- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

# Indoor Unit Installation

## 1. Installing the mounting plate

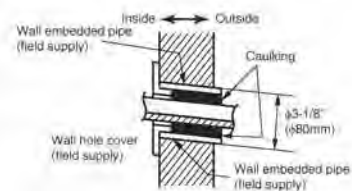
- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
  - 1) Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
  - 2) Secure the mounting plate to the wall with screws.

### Recommended mounting plate retention spots and dimensions



## 2. Boring a wall hole and installing wall embedded pipe

- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
  - 1) Bore a feed-through hole of 3-1/8 inch (80mm) in the wall so it has a down slope toward the outside.
  - 2) Insert a wall pipe into the hole.
  - 3) Insert a wall cover into wall pipe.
  - 4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



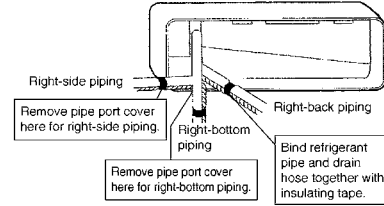


# Indoor Unit Installation

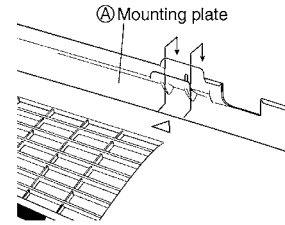
## 3. Laying piping, hoses, and wiring

### 3-1. Right-side, right-back, or right-bottom piping

- 1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.

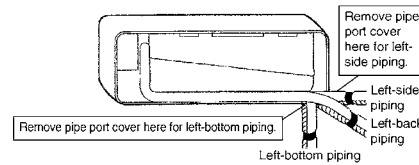


- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.



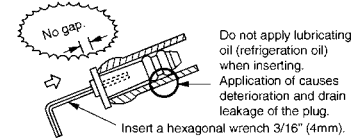
### 3-2. Left-side, left-back, or left-bottom piping

- 1) Replace the drain plug and drain hose.
- 2) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.

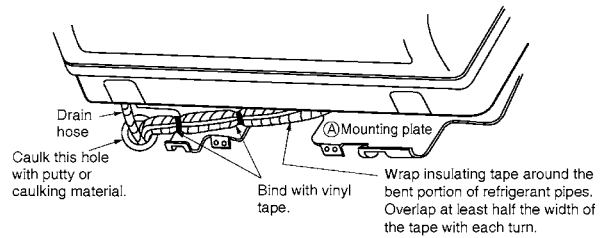


- 3) Be sure to connect the drain hose to the drain port in place of a drain plug.

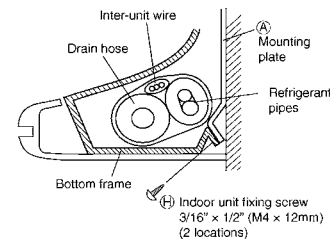
#### How to set drain plug.



- 4) Shape the refrigerant pipes along the pipe path marking on the mounting plate.
- 5) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 6) Pull in the inter-unit wire.
- 7) Connect the inter-unit pipes.

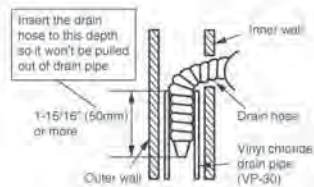


- 8) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 9) While exercising care so that the inter-unit wire do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with indoor unit fixing screws  $3/16 \times 1/2$  inch (M4  $\times$  12mm).



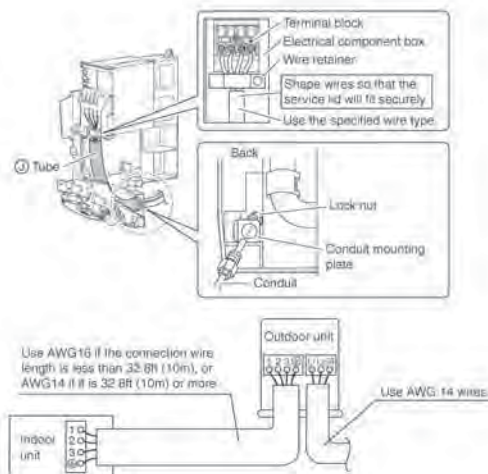
### 3-3. Wall embedded piping

- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



## 4. Wiring

- 1) As shown in the illustration on the right-hand side, insert the wires including the ground wire into the conduit and secure them with lock nut onto the conduit mounting plate.
- 2) Insert the wires including the ground wire into  $\text{J}$  tube.
- 3) Strip wire ends (9/16 inch (15mm)).
- 4) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 5) Connect the ground wires to the corresponding terminals.
- 6) Pull the wires and check that the wires are securely fixed to the terminal block.
- 7) In case of connecting to an adapter system, run the remote controller cable and attach the S21. (Refer to P5 when connecting to an HA system.)
- 8) Shape the wires so that the service lid fits securely, then close service lid.



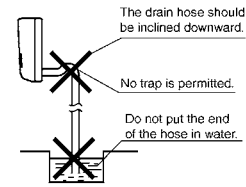
### ⚠ WARNING

- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they could cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so could cause electric shock or fire.
- When carrying out wiring connection, take care not to pull at the conduit.
- Do not connect the power wire to the indoor unit. Doing so could cause electric shock or fire.

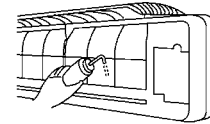
# Indoor Unit Installation

## 5. Drain piping

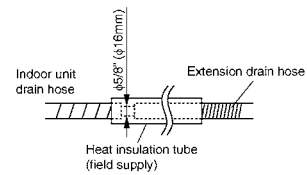
1) Connect the drain hose, as described right.



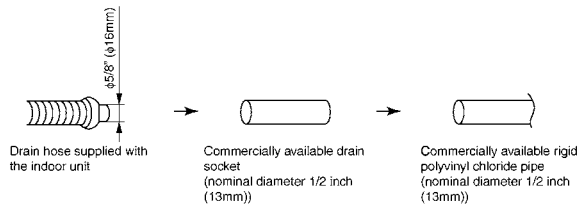
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available.  
Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



# Trial Operation and Testing

## 1. Trial operation and testing

1-1 Measure the supply voltage and make sure that it falls in the specified range.

1-2 Trial operation should be carried out in either cooling or heating mode.

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

1) Trial operation may be disabled in either mode depending on the room temperature.

Use the remote controller for trial operation as described below.

2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).

3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as fin movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.

- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

### Trial operation from remote controller

1) Press "ON/OFF" button to turn on the system.

2) Press "TEMP" button (2 locations) and "MODE" button at the same time.

3) Press "MODE" button twice.

(" ? " will appear on the display to indicate that trial operation mode is selected.)

4) Trial operation terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press "ON/OFF" button.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for inter-unit wiring.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or air outlet has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote control commands.	Inoperative	
The heat pump or cooling only mode is selectable with the DIP switch of the remote controller.	Remote controller malfunctioning	

## 3. Indoor Units

C: 3P297301-2





### 3.1 Safety Considerations

Read these ***SAFETY CONSIDERATIONS for Installation*** carefully before installing air conditioning equipment. After completing the installation, make sure that the unit operates properly during the startup operation.

Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- Refrigerant gas is heavier than air and replaces oxygen. A massive leak can lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- Do not ground units to water pipes, gas pipes, telephone wires, or lightning rods as incomplete grounding can cause a severe shock hazard resulting in severe injury or death. Additionally, grounding to gas pipes could cause a gas leak and potential explosion causing severe injury or death.
- If refrigerant gas leaks during installation, ventilate the area immediately. Refrigerant gas may produce toxic gas if it comes into contact with fire. Exposure to this gas could cause severe injury or death.
- After completing the installation work, check that the refrigerant gas does not leak throughout the system.
- Do not install unit in an area where flammable materials are present due to risk of explosions that can cause serious injury or death.
- Safely dispose all packing and transportation materials in accordance with federal/state/local laws or ordinances. Packing materials such as nails and other metal or wood parts, including plastic packing materials used for transportation may cause injuries or death by suffocation.
- Only qualified personnel must carry out the installation work. Installation must be done in accordance with this installation manual. Improper installation may result in water leakage, electric shock, or fire.
- When installing the unit in a small room, take measures to keep the refrigerant concentration from exceeding allowable safety limits. Excessive refrigerant leaks, in the event of an accident in a closed ambient space, can lead to oxygen deficiency.
- Use only specified accessories and parts for installation work. Failure to use specified parts may result in water leakage, electric shocks, fire, or the unit falling.
- Install the air conditioner on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength may result in the unit falling and causing injuries.
- Take into account strong winds, typhoons, or earthquakes when installing. Improper installation may result in the unit falling and causing accidents.
- Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local, state, and national regulations. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.
- Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation may result in fire.
- When wiring, position the wires so that the terminal box lid can be securely fastened. Improper positioning of the terminal box lid may result in electric shocks, fire, or the terminals overheating.

- Before touching electrical parts, turn off the unit.
- It is recommended to install a ground fault circuit interrupter if one is not already available. This helps prevent electrical shocks or fire.
- Securely fasten the outside unit terminal cover (panel). If the terminal cover/panel is not installed properly, dust or water may enter the outside unit causing fire or electric shock.
- When installing or relocating the system, keep the refrigerant circuit free from substances other than the specified refrigerant (R-410A) such as air. Any presence of air or other foreign substance in the refrigerant circuit can cause an abnormal pressure rise or rupture, resulting in injury.
- Do not change the setting of the protection devices. If the pressure switch, thermal switch, or other protection device is shorted and operated forcibly, or parts other than those specified by Daikin are used, fire or explosion may occur.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.
- Do not allow children to play on or around the unit to prevent injury.
- Do not touch the refrigerant pipes during and immediately after operation as the refrigerant pipes may be hot or cold, depending on the condition of the refrigerant flowing through the refrigerant piping, compressor, and other refrigerant cycle parts. Your hands may suffer burns or frostbite if you touch the refrigerant pipes. To avoid injury, give the pipes time to return to normal temperature or, if you must touch them, be sure to wear proper gloves.
- Install drain piping to proper drainage. Improper drain piping may result in water leakage and property damage.
- Insulate piping to prevent condensation.
- Be careful when transporting the product.
- Do not turn off the power immediately after stopping operation. Always wait for at least 5 minutes before turning off the power. Otherwise, water leakage may occur.
- Do not use a charging cylinder. Using a charging cylinder may cause the refrigerant to deteriorate.
- Refrigerant R-410A in the system must be kept clean, dry, and tight.
  - (a) Clean and Dry -- Foreign materials (including mineral oils such as SUNISO oil or moisture) should be prevented from getting into the system.
  - (b) Tight -- R-410A does not contain any chlorine, does not destroy the ozone layer, and does not reduce the earth's protection against harmful ultraviolet radiation. R-410A can contribute to the greenhouse effect if it is released. Therefore take proper measures to check for the tightness of the refrigerant piping installation. Read the chapter *Refrigerant Piping* and follow the procedures.
- Since R-410A is a blend, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in a state of gas, its composition can change and the system will not work properly.
- The indoor unit is for R-410A. See the catalog for indoor models that can be connected. Normal operation is not possible when connected to other units.
- Remote controller (wireless kit) transmitting distance can be shorter than expected in rooms with electronic fluorescent lamps (inverter or rapid start types). Install the indoor unit far away from fluorescent lamps as much as possible.
- Indoor units are for indoor installation only. Outdoor units can be installed either outdoors or indoors. This unit is for indoor use.
- Do not install the air conditioner in the following locations:
  - (a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.  
Plastic parts may deteriorate and fall off or result in water leakage.
  - (b) Where corrosive gas, such as sulfuric acid gas, is produced.  
Corroding copper pipes or soldered parts may result in refrigerant leakage.
  - (c) Near machinery emitting electromagnetic waves.  
Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.

- (d) Where flammable gas may leak, where there is carbon fiber, or ignitable dust suspension in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions can cause a fire.
- Take adequate measures to prevent the outside unit from being used as a shelter by small animals. Small animals making contact with electrical parts can cause malfunctions, smoke, or fire. Instruct the customer to keep the area around the unit clean.
  - Install the power supply and control wires for the indoor and outdoor units at least 3.5 feet away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet may not be sufficient to eliminate the noise.
  - Dismantling the unit, treatment of the refrigerant, oil and additional parts must be done in accordance with the relevant local, state, and national regulations.
  - Do not use the following tools that are used with conventional refrigerants: gauge manifold, charge hose, gas leak detector, reverse flow check valve, refrigerant charge base, vacuum gauge, or refrigerant recovery equipment.
  - If the conventional refrigerant and refrigerator oil are mixed in R-410A, the refrigerant may deteriorate.
  - This air conditioner is an appliance that should not be accessible to the general public.
  - As design pressure is 478 psi, the wall thickness of field-installed pipes should be selected in accordance with the relevant local, state, and national regulations.

### 3.2 The Multi-Split Duct-Free System CTXS07JVJU, CTXS09/12HVJU

#### Accessories

(A) Mounting plate	1	(E) Remote controller holder	1	(K) Operation manual	1
(B) Mounting plate fixing screws 3/16" x 1"L (M4 x 25mm)	10	(F) Fixing screws for remote controller holder 1/8" x 13/16"L (M3 x 20mm)	2	(L) Installation manual	1
(C) Air-purifying filter with photocatalytic deodorizing function	2	(G) Dry batteries AAA. LR03 (alkaline)	2		
(D) Wireless remote controller	1	(H) Indoor unit fixing screws 3/16" x 1/2"L (M4 x 12mm)	2		

#### Choosing a Site

- Before choosing the installation site, obtain user approval.

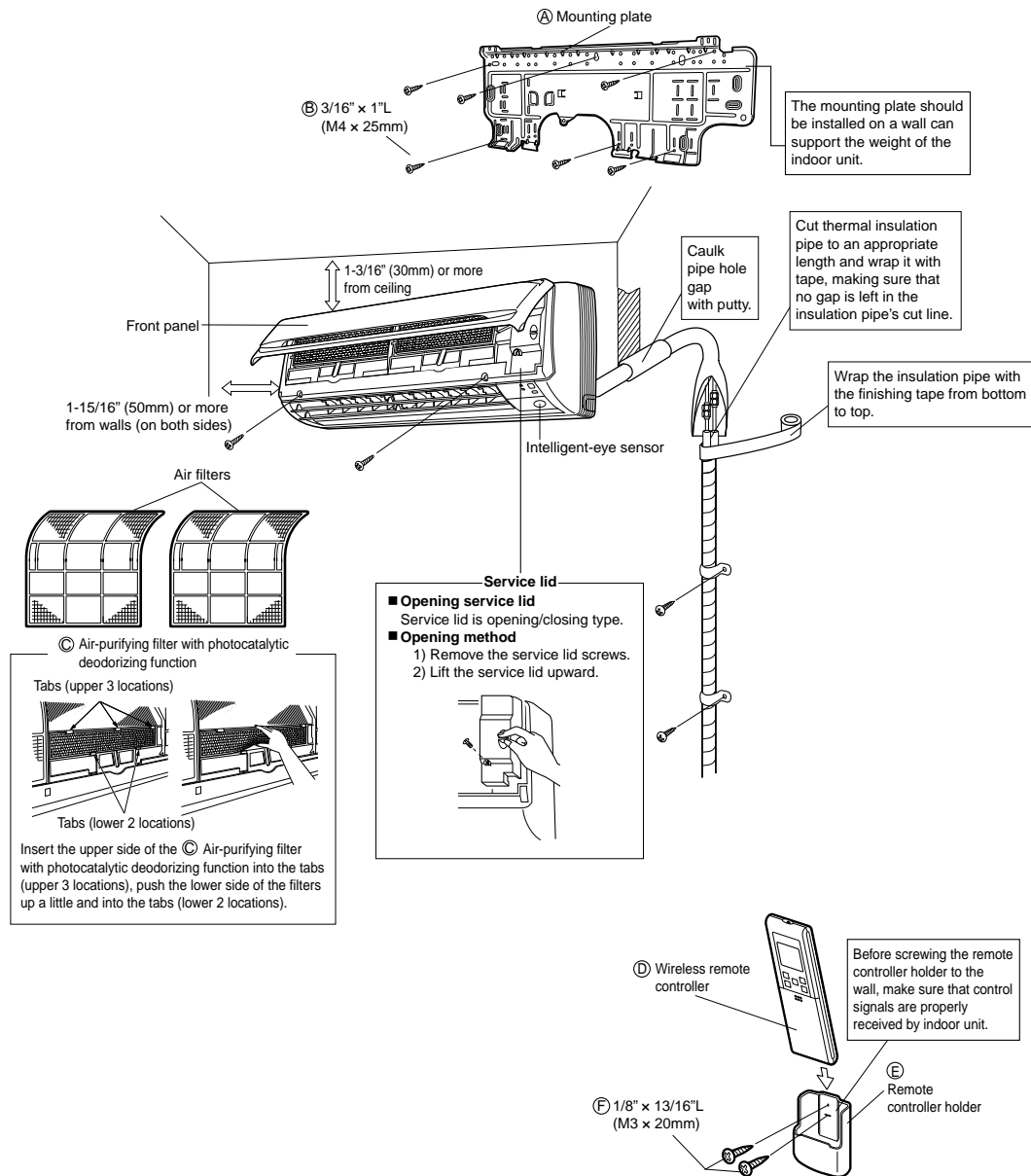
##### 1. Indoor unit.

- The indoor unit should be sited in a place where:
  - 1) The restrictions on installation specified in the indoor unit installation drawings are met.
  - 2) Both air intake and exhaust have clear paths met.
  - 3) The unit is not in the path of direct sunlight.
  - 4) The unit is away from the source of heat or steam.
  - 5) There is no source of machine oil vapor (this may shorten indoor unit life).
  - 6) Cool air is circulated throughout the room.
  - 7) The unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range.
  - 8) The unit is at least 3.5 ft (1m) away from any television or radio set (unit may cause interference with the picture or sound).

##### 2. Wireless remote controller.

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 23 ft (7m)).

## Indoor Unit Installation Drawings



### Intelligent-eye Sensor

**CAUTION**

- 1) Do not hit or forcefully push the intelligent-eye sensor. This can lead to damage and malfunction.
- 2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

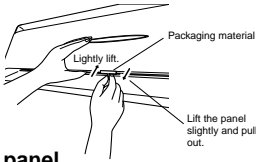


## Installation Tips

### 1. Removing packaging material.

**• Removal method**

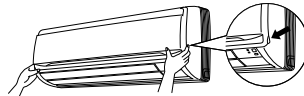
Grasp the packaging material which is in the center of the front panel, with one hand, and lightly pull the front panel up and toward you.



### 2. Removing and installing front panel.

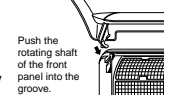
**• Removal method**

Hook fingers on the panel protrusions on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



**• Installation method**

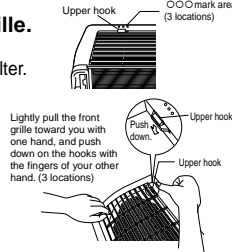
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



### 3. Removing and installing front grille.

**• Removal method**

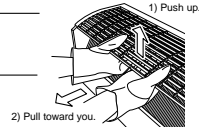
- 1) Remove front panel to remove the air filter.
- 2) Remove the front grille. (2 screws)
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand. (3 locations)



<When there is no work space because the unit is close to ceiling>

**⚠ CAUTION**

Be sure to wear protection gloves.



Place both hands under the center of the front grille, and while pushing up, pull it toward you.

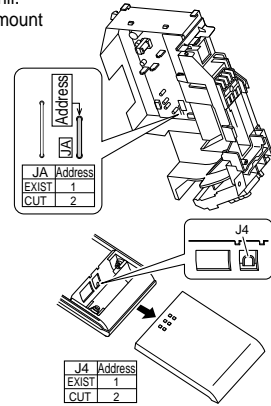
**• Installation method**

- 1) Install the front grille and firmly engage the upper hooks. (3 locations)
- 2) Install 2 screws of the front grill.
- 3) Install the air filter and then mount the front panel.

### 4. How to set the different addresses.

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

- 1) In the same way as when connecting to an HA system, remove the metal plate electrical wiring cover.
- 2) Cut the address jumper (JA).
- 3) Cut the address jumper (J4).

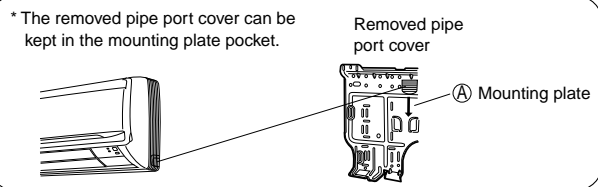
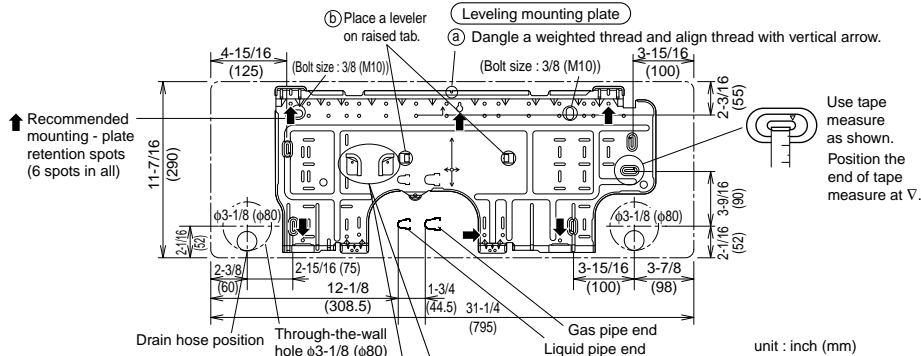


## Indoor Unit Installation (1)

### 1. Installing the mounting plate.

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
- 1) Temporarily secure the mounting plate to the wall, make sure that the plate is completely level, and mark the boring points on the wall.
- 2) Secure the mounting plate to the wall with screws.

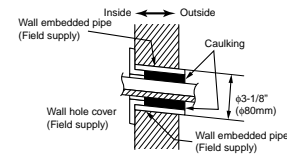
**Recommended mounting-plate retention spots and Dimensions**



## Indoor Unit Installation (2)

### 2. Boring a wall hole and installing wall embedded pipe.

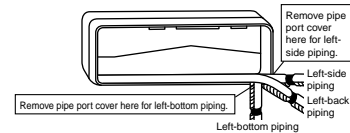
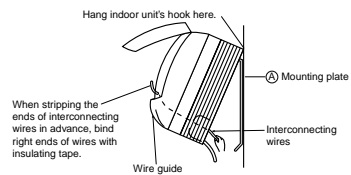
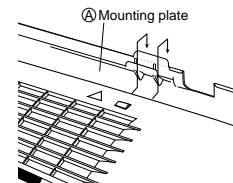
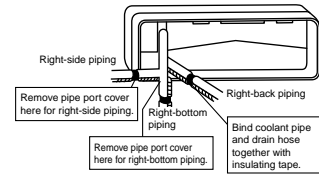
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
  - Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
- 1) Bore a feed-through hole of 3-1/8 inch (80mm) in the wall so it has a down slope toward the outside.
  - 2) Insert a wall pipe into the hole.
  - 3) Insert a wall cover into wall pipe.
  - 4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



### 3. Installing indoor unit.

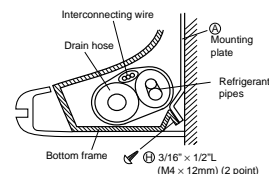
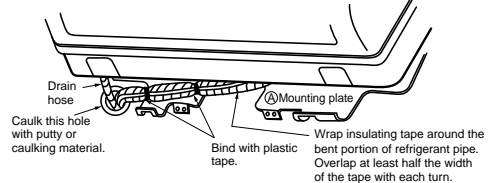
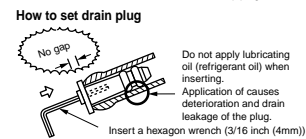
#### 3-1. Right-side, right-back, or right-bottom piping.

- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.
- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.
- 4) Open the front panel, then open the service lid. Refer to Installation Tips.
- 5) Pass the interconnecting wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side. Bend the ends of tie wires upward in advance for easier work. (If the interconnecting wire ends are to be stripped first, bundle wire ends with adhesive tape.)
- 6) Press the indoor unit's bottom panel with both hands to set it on the mounting plate hooks. Make sure the wires do not catch on the edge of the indoor unit.



#### 3-2. Left-side, left-back, or left-bottom piping.

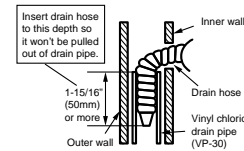
- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Be sure to connect the drain hose to the drain port in place of a drain plug.
- 3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
- 4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 5) Pull in the interconnecting wires.
- 6) Connect the inter-unit piping.
- 7) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 8) While exercising care so that the interconnecting wires do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (3/16" x 1/2" (M4 x 12mm)).



## Indoor Unit Installation (3)

### 3-3. Wall embedded piping.

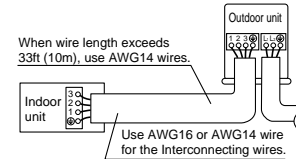
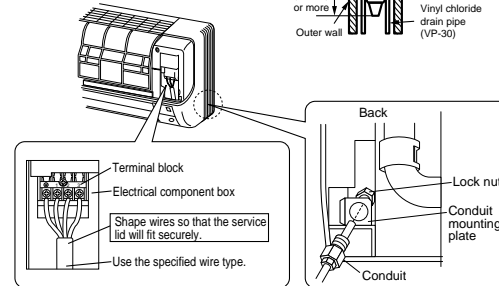
- Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



### 4. Wiring.

**With a Multi indoor unit**, install as described in the installation manual supplied with the Multi outdoor unit.

- 1) Strip wire ends. (9/16 inch (15mm))
- 2) Match wire colors with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 3) Connect the ground wires to the corresponding terminals.
- 4) Pull wires to make sure that they are securely latched up.
- 5) In case of connecting to an adapter system. Run the remote controller cable and attach the S21 connector as the illustration above.
- 6) Shape the wires so that the service lid fits securely, then close service lid.

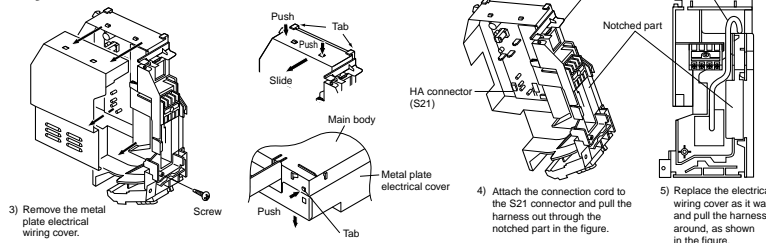


### ⚠ WARNING

- 1) Do not use spliced wires, strand wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all Local, and State electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not overload the circuit by adding drain pump or other electrical equipment to unit terminals.) Doing so may cause electric shock or fire.
- 3) When carrying out wiring connection, take care not to pull at the conduit.

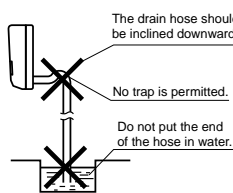
### 5. When connecting to an HA system.

- 1) Remove the front grille. (2 screws)
- 2) Remove the electrical wiring box. (1 screw)
- 3) Remove the metal plate electrical wiring cover. (4 tabs)
- 4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

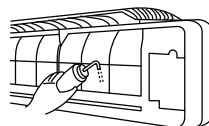


### 6. Drain piping.

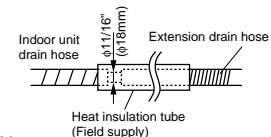
- 1) Connect the drain hose, as described right.



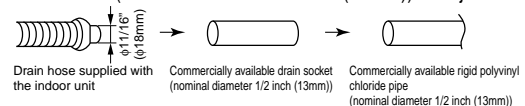
- 2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



- 3) If the drain hose requires an extension, procure one locally. Be sure to thermally insulate the indoor section of the extension hose.



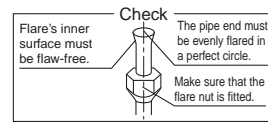
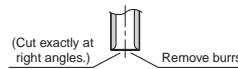
- 4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



## Refrigerant Piping Work

### 1. Flaring the pipe end.

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



Flaring

Set exactly at the position shown below.

Die	Flare tool for R410A		Conventional flare tool	
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)	
A	0-0.020 inch (0-0.5mm)	0.039-0.059 inch (1.0-1.5mm)	0.059-0.079 inch (1.5-2.0mm)	

### ⚠ WARNING

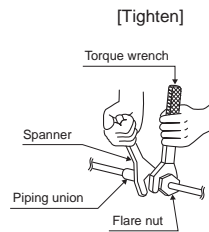
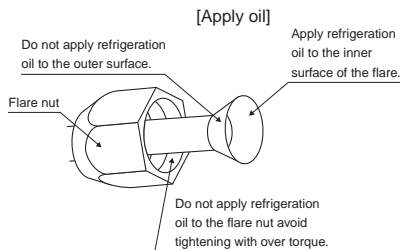
- 1) Do not use mineral oil on flared part.
- 2) Prevent mineral oil from getting into the system as this would reduce the unit life.
- 3) Never use piping which has been used for previous installations. Only use parts which are provided with the unit.
- 4) Do never install a refrigerant drier to this unit.
- 5) The drying material may dissolve and damage the system.
- 6) Incomplete or improper flaring may cause refrigerant gas leakage.

### 2. Refrigerant piping.

#### ⚠ CAUTION

- 1) Use the flare nut fixed to the main unit to prevent deterioration and cracking from age.
- 2) To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- 3) Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

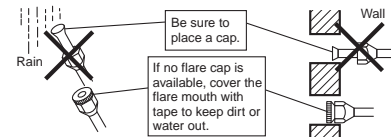
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque	
Gas side	Liquid side
3/8 inch (9.5mm)	1/4 inch (6.4mm)
24.1 - 29.4ft • lbf (32.7 - 39.9N • m)	10.4 - 12.7ft • lbf (14.2 - 17.2N • m)

#### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.

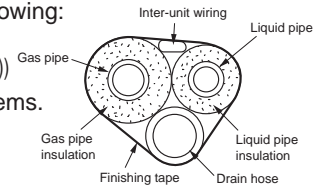


#### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:

- 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052 W/mK (0.024 to 0.030 Btu/ft<sup>2</sup>h°F (0.035 to 0.045kcal/mh°C))  
Be sure to use insulation that is designed for use with HVAC Systems.

- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.



Gas side	Liquid side	Gas pipe thermal insulation	Liquid pipe thermal insulation
O.D. 3/8 inch (9.5mm)	O.D. 1/4 inch (6.4mm)	I.D. 0.427 - 0.590 inch (12 - 15mm)	I.D. 0.315 - 0.393 inch (8- 10mm)
Minimum bend radius		Thickness 0.393 inch (8mm) Min.	
1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)			

- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

## Run Test and Final Check

### 1. Trial operation and testing.

- 1-1 Measure the supply voltage and make sure that it falls in the specified range.
- 1-2 Trial operation should be carried out in either cooling or heating mode.
  - In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
    - 1) Trial operation may be disabled in either mode depending on the room temperature. Use the remote controller for trial operation as described below.
    - 2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).
    - 3) For protection, the unit disables restart operation for 3 minutes after it is turned off.
- 1-3 Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
  - The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
  - If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

#### Trial operation from remote controller.

- 1) Press the MODE button and select the trial operation mode.
- 2) Press ON/OFF button to turn on the system.
- 3) Simultaneously press MODE button and both of the TEMP buttons.
- 4) Press MODE button twice.  
(“T” will appear on the display to indicate that Trial Operation mode is selected.)
- 5) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

### 2. Test items.

Test items	Symptom	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain line is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

### 3.3 The Multi-Split Duct-Free System FTXS15/18HVJU

#### Accessories

Ⓐ Mounting plate	1	Ⓔ Remote controller holder	1	Ⓚ Operation manual	1
Ⓑ Mounting plate fixing screws 3/16" x 1"L (M4 x 25mm)	10	Ⓕ Fixing screws for remote controller holder 1/8" x 13/16"L (M3 x 20mm)	2	Ⓛ Installation manual	1
Ⓒ Air-purifying filter with photocatalytic deodorizing function	2	Ⓖ Dry batteries AAA. LR03 (alkaline)	2		
Ⓓ Wireless remote controller	1	Ⓗ Indoor unit fixing screws 3/16" x 1/2"L (M4 x 12mm)	2		

2

#### Choosing a Site

- Before choosing the installation site, obtain user approval.

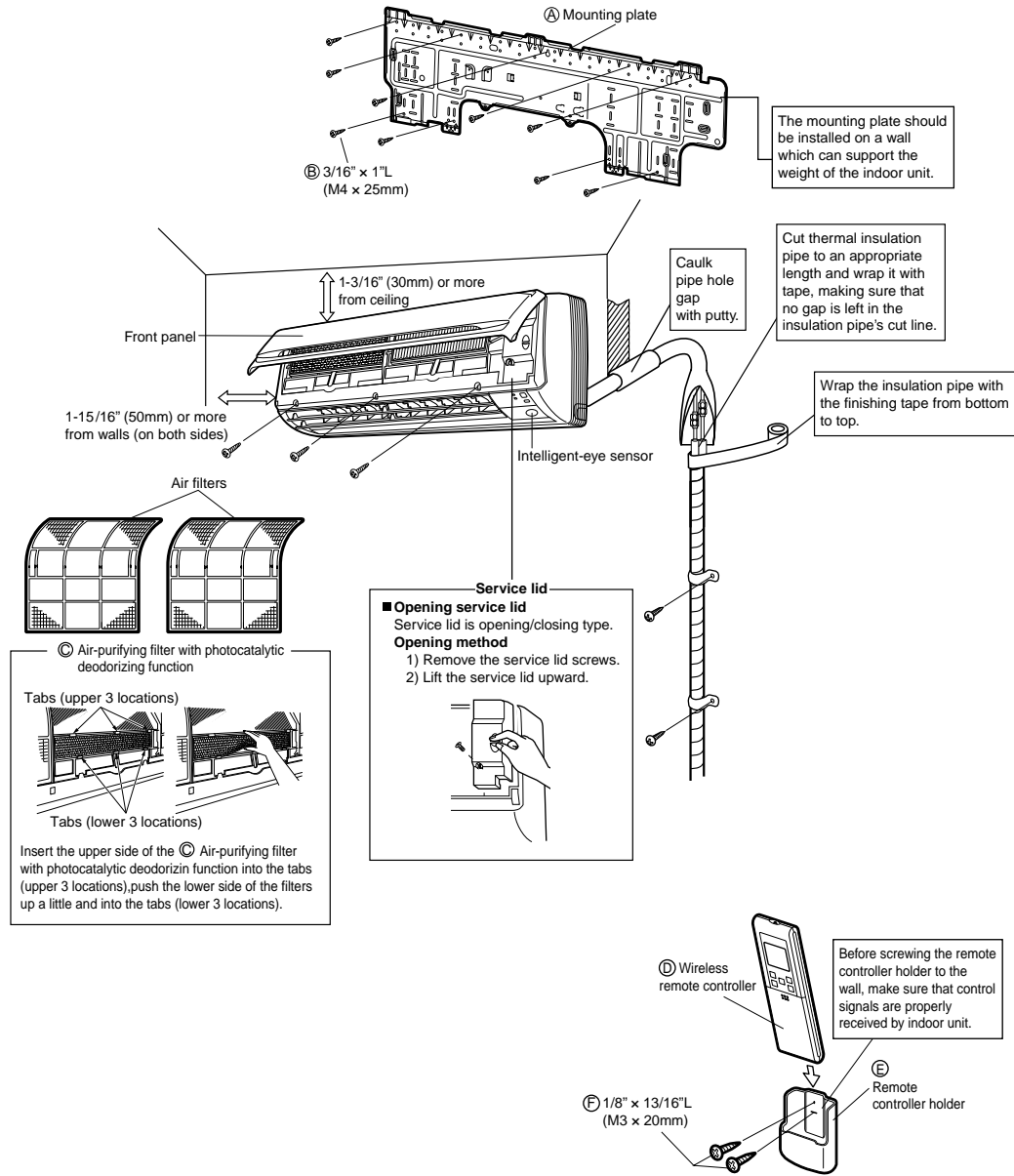
##### 1. Indoor unit.

- The indoor unit should be sited in a place where:
  - 1) the restrictions on installation specified in the indoor unit installation drawings are met,
  - 2) both air intake and exhaust have clear paths met,
  - 3) the unit is not in the path of direct sunlight,
  - 4) the unit is away from the source of heat or steam,
  - 5) there is no source of machine oil vapour (this may shorten indoor unit life),
  - 6) cool air is circulated throughout the room,
  - 7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range,
  - 8) the unit is at least 3.5 ft (1m) away from any television or radio set (unit may cause interference with the picture or sound).

##### 2. Wireless remote controller.

- 1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 23 ft (7m)).

## Indoor Unit Installation Drawings



### Intelligent-eye Sensor

**⚠ CAUTION**

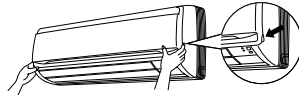
- 1) Do not hit or violently push the intelligent-eye sensor. This can lead to damage and malfunction.
- 2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

## Installation Tips

### 1. Removing and installing front panel.

**Removal method**

Hook fingers on the panel protrusions on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



**Installation method**

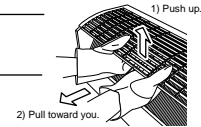
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



<When there is no work space because the unit is close to ceiling>

**CAUTION**

Be sure to wear protection gloves.



Place both hands under the center of the front grille, and while pushing up, pull it toward you.

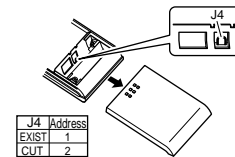
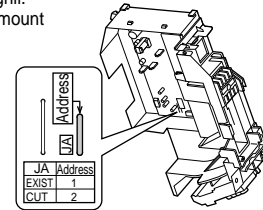
**Installation method**

- 1) Install the front grille and firmly engage the upper hooks. (3 locations)
- 2) Install 3 screws of the front grill.
- 3) Install the air filter and then mount the front panel.

### 3. How to set the different addresses.

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

- 1) In the same way as when connecting to an HA system, remove the metal plate electrical wiring cover.
- 2) Cut the address jumper (JA).
- 3) Cut the address jumper (J4).



### 2. Removing and installing front grille.

**Removal method**

- 1) Remove front panel to remove the air filter.
- 2) Remove the front grille. (3 screws)
- 3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand. (3 locations)

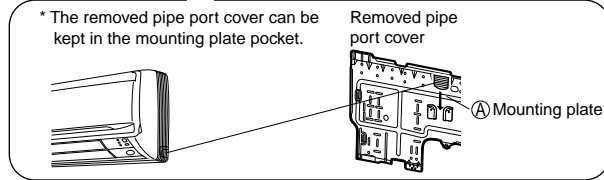
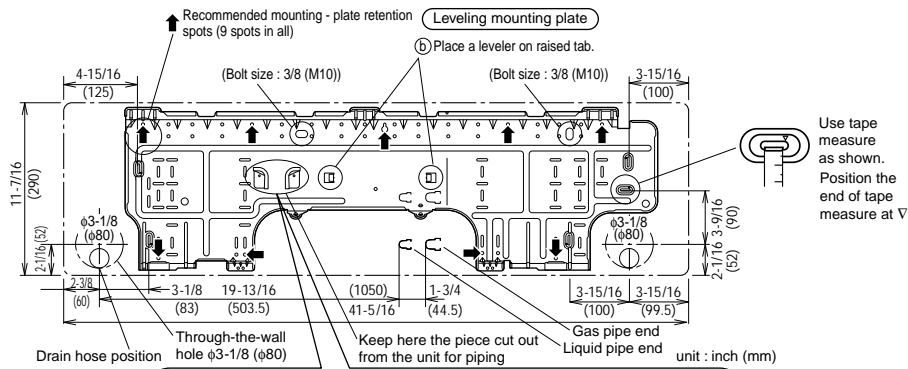


## Indoor Unit Installation (1)

### 1. Installing the mounting plate.

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.
- 1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
  - 2) Secure the mounting plate to the wall with screws.

#### Recommended mounting-plate retention spots and Dimensions

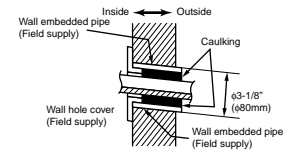




## Indoor Unit Installation (2)

### 2. Boring a wall hole and installing wall embedded pipe.

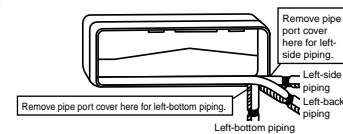
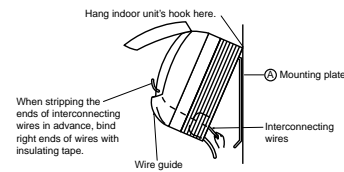
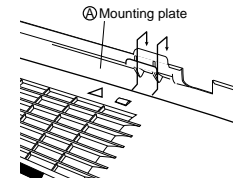
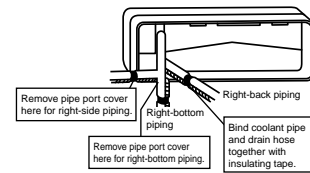
- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
  - Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.
- 1) Bore a feed-through hole of 3-1/8 inch (80mm) in the wall so it has a down slope toward the outside.
  - 2) Insert a wall pipe into the hole.
  - 3) Insert a wall cover into wall pipe.
  - 4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



### 3. Installing indoor unit.

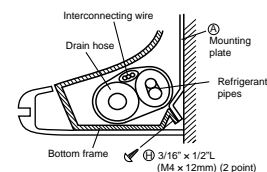
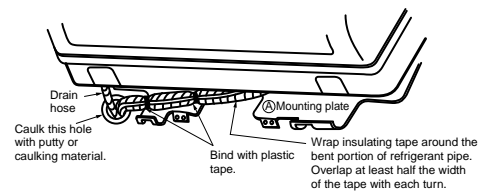
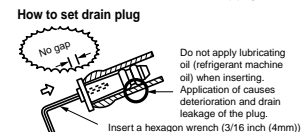
#### 3-1. Right-side, right-back, or right-bottom piping.

- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Wrap the refrigerant pipes and drain hose together with insulation tape.
- 3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the  $\Delta$  markings at the top of the indoor unit as a guide.
- 4) Open the front panel, then open the service lid. (Refer to Installation Tips.)
- 5) Pass the interconnecting wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side. Bend the ends of tie wires upward in advance for easier work. (If the interconnecting wire ends are to be stripped first, bundle wire ends with adhesive tape.)
- 6) Press the indoor unit's bottom panel with both hands to set it on the mounting plate hooks. Make sure the wires do not catch on the edge of the indoor unit.



#### 3-2. Left-side, left-back, or left-bottom piping.

- 1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
- 2) Be sure to connect the drain hose to the drain port in place of a drain plug.
- 3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
- 4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the  $\Delta$  markings at the top of indoor unit as a guide.
- 5) Pull in the interconnecting wires.
- 6) Connect the inter-unit piping.
- 7) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
- 8) While exercising care so that the interconnecting wires do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (3/16" x 1/2"L (M4 x 12mm)).



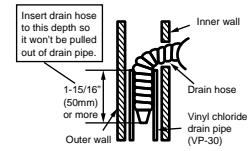
## Indoor Unit Installation (3)

### 3-3. Wall embedded piping.

Follow the instructions given under

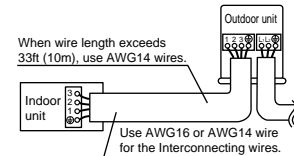
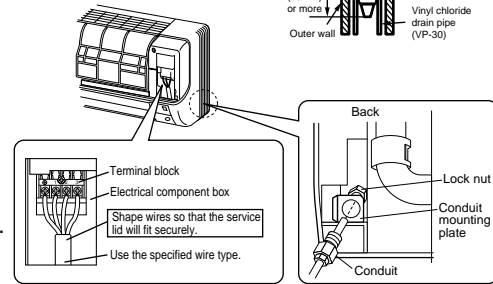
#### Left-side, left-back, or left-bottom piping

- 1) Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



### 4. Wiring.

- 1) Strip wire ends. (9/16 inch (15mm))
- 2) Match wire colours with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
- 3) Connect the earth wires to the corresponding terminals.
- 4) Pull wires to make sure that they are securely latched up.
- 5) In case of connecting to an adapter system.  
Run the remote controller cable and attach the S21 connector as the illustration above.
- 6) Shape the wires so that the service lid fits securely, then close service lid.

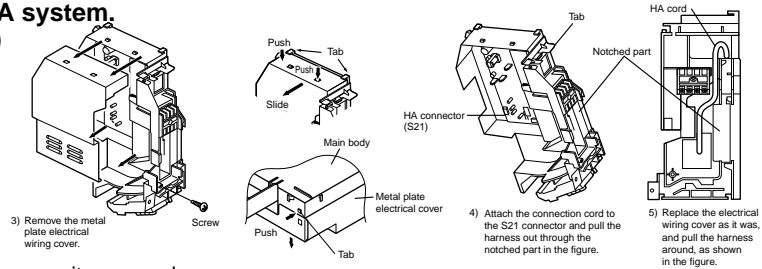


### ⚠ WARNING

- 1) Do not use spliced wires, strand wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all Local, and State electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not overload the circuit by adding drain pump or other electrical equipment to unit terminals.) Doing so may cause electric shock or fire.
- 3) When carrying out wiring connection, take care not to pull at the conduit.

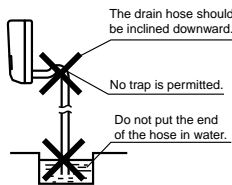
### 5. When connecting to an HA system.

- 1) Remove the front grille. (3 screws)
- 2) Remove the electrical wiring box. (1 screw)
- 3) Remove the metal plate electrical wiring cover. (4 tabs)
- 4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
- 5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

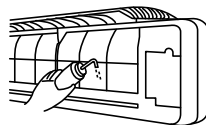


### 6. Drain piping.

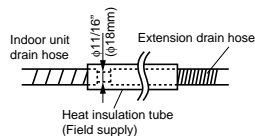
- 1) Connect the drain hose, as described right.



- 2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.

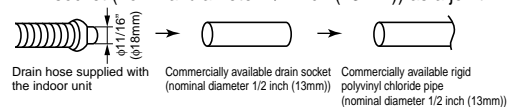


- 3) When drain hose requires extension, obtain an extension hose commercially available.



Be sure to thermally insulate the indoor section of the extension hose.

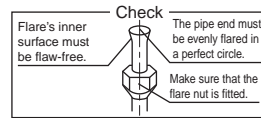
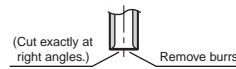
- 4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 1/2 inch (13mm)) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 1/2 inch (13mm)) as a joint.



## Refrigerant Piping Work

### 1. Flaring the pipe end.

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



Set exactly at the position shown below.

Flaring		Flare tool for R410A		Conventional flare tool	
		Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)	
A	0-0.020 inch (0-0.5mm)	0.039-0.059 inch (1.0-1.5mm)			

### ⚠ WARNING

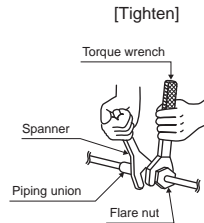
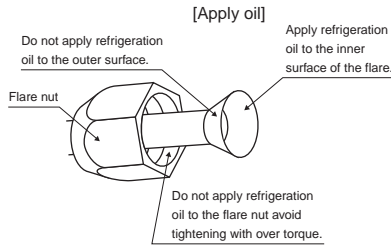
- 1) Do not use mineral oil on flared part.
- 2) Prevent mineral oil from getting into the system as this would reduce the unit life.
- 3) Never use piping which has been used for previous installations. Only use parts which are provided with the unit.
- 4) Do never install a refrigerant drier to this unit.
- 5) The drying material may dissolve and damage the system.
- 6) Incomplete or improper flaring may cause refrigerant gas leakage.

### 2. Refrigerant piping.

#### ⚠ CAUTION

- 1) Use the flare nut fixed to the main unit. (To prevent cracking of the flare nut by aged deterioration.)
- 2) To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- 3) Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

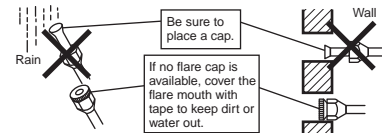
Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque		
Gas side		Liquid side
1/2 inch	5/8 inch	1/4 inch
36.5-44.5ft • lbf (49.5-60.3N • m)	45.6-55.6ft • lbf (61.8-75.4N • m)	10.4-12.7ft • lbf (14.2-17.2N • m)

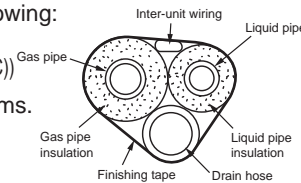
#### 2-1. Caution on piping handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.



#### 2-2. Selection of copper and heat insulation materials

- When using commercial copper pipes and fittings, observe the following:
  - 1) Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052 W/mK (0.024 to 0.030 Btu/ft<sup>2</sup>h°F (0.035 to 0.045kcal/mh°C))  
Be sure to use insulation that is designed for use with HVAC systems.



- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side		Liquid side		Gas pipe thermal insulation		Liquid pipe thermal insulation	
15/18 class	24 class	15/18/24 class		15/18 class	24 class	15/18/24 class	
O.D. 1/2 inch (12.7mm)	O.D. 5/8 inch (15.9mm)	O.D. 1/4 inch (6.4mm)		I.D. 0.551-0.630 inch (14-16mm)	I.D. 0.630-0.709 inch (16-20mm)	I.D. 0.315-0.393 inch (8-10mm)	
Minimum bend radius							
1-9/16 inch (40mm) or more	1-15/16 inch (50mm) or more	1-3/16 inch (30mm) or more		Thickness 0.393 inch (8mm) Min.			
Thickness 0.031 inch (0.8mm) (C1220T-O)	Thickness 0.039 inch (1.0mm) (C1220T-O)	Thickness 0.031 inch (0.8mm) (C1220T-O)					

- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

## Run Test and Final Check

### 1. Trial operation and testing.

- 1-1 Measure the supply voltage and make sure that it falls in the specified range.
- 1-2 Trial operation should be carried out in either cooling or heating mode.
  - In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
    - 1) Trial operation may be disabled in either mode depending on the room temperature. Use the remote controller for trial operation as described below.
    - 2) After trial operation is complete, set the temperature to a normal level (78°F to 82°F (26°C to 28°C) in cooling mode, 68°F to 75°F (20°C to 24°C) in heating mode).
    - 3) For protection, the unit disables restart operation for 3 minutes after it is turned off.
- 1-3 Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
  - The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
  - If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

Trial operation from remote controller.
1) Press the MODE button and select the trial operation mode. 2) Press ON/OFF button to turn on the system. 3) Simultaneously press MODE button and both of TEMP button. 4) Press MODE button twice. (“7” will appear on the display to indicate that Trial Operation mode is selected.) 5) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

### 2. Test items.

Test items	Symptom	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain line is properly installed.	Water leakage	
System is properly ground to earth.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

3P232730-2

### 3.4 The Slim Duct Built-in System FDXS09/12DVJU

# ACCESSORIES

Clamp metal	Insulation for fitting	Sealing pad		Drain hose	Washer for hanger bracket	Sealing material	Clamp	Washer fixing plate	Screws for duct flanges	Conduit mounting plate
1 pc.	1 each	Large and small 1 each	1 pc.	1 pc.	8 pcs.	2 pcs.	6 pcs.	1 set	1 set	1 pc.
			 Stored in outlet vent					 4 pcs.	 24 pcs.	
Screws for conduit mounting plate	Insulation tube	Air filter	Wireless remote controller	Remote controller holder	AAA dry-cell batteries	Receiver kit			[ Other ]	
2 pcs.	1 pc.	1 pc.	1 pc.	1 pc.	1 set	1 pc.	1 pc.	2 pcs.		
					 2 pcs.			 Screws M4 x 25		<ul style="list-style-type: none"> <li>• Operation manual</li> <li>• Installation manual</li> </ul>

# CHOOSING A SITE

- Before choosing the installation site, obtain user approval.

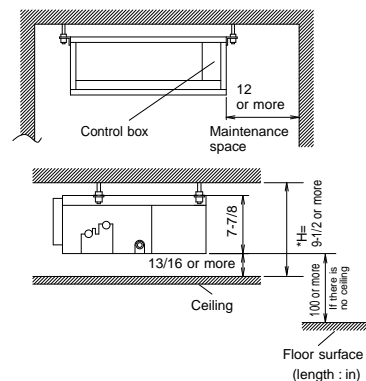
**Indoor unit**

**Caution**

- When moving the unit during or after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts. Wear protective gears (gloves and so on) when installing the unit.
- If you think the humidity inside the ceiling might exceed 86°F and RH80%, reinforce the insulation on the unit body. Use glass wool or polyethylene foam as insulation so that the thickness is more than 0.4in and fits inside the ceiling opening.

- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.
- Piping between the indoor and outdoor units is within the allowable limits. (Refer to the installation manual for the outdoor unit.)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring is at least 3.3ft away from televisions and radios. This prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a 3.3ft allowance is maintained.)

- **Use suspension bolts to install the unit. Check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.** (Installation pitch is marked on the carton box for installation. Refer to it to check for points requiring reinforcing.) Select the \*H dimension such that a downward slope of at least 1/100 is ensured as indicated in "DRAIN PIPING WORK".
  - The installation pitch is listed on the packing material, and should be checked when deciding whether to reinforce the location or not.



# CHOOSING A SITE

## ■ Select the signal receiver mounting location according to the following conditions:

- Install the signal receiver, which has a built-in temperature sensor, near the intake vent where there is convection of air and it can get an accurate reading of the room's temperature. If the intake vent is in another room or the unit cannot be installed near the intake vent for any other reason, install it 5ft above the floor on a wall where there is convection.
- In order to get an accurate reading of the room's temperature, install the signal receiver in a location where it is not exposed directly to cold or hot air from the air discharge grille or to direct sunlight.
- Since the receiver has a built-in light receptor to receive signals from the wireless remote controller, do not mount it in a location where the signal may be blocked by a curtain, etc.

Air discharge grille:  
Wooden or plastic grille is recommended because condensation may occur depending on humidity conditions.



## ⚠ Caution

If the signal receiver is not installed in a location where there is convection of air, it may be unable to get an accurate reading of the room's temperature.

### Wireless remote controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 13ft).

### Outdoor unit

- For outdoor unit installation, see the installation manual supplied with the outdoor unit.

# PREPARATIONS BEFORE INSTALLATION

## ■ Relation of the unit to the suspension bolt positions.

- Install the inspection opening on the control box side where maintenance and inspection of the control box are easy. Install the inspection opening also in the lower part of the unit.

## ■ Make sure the range of the unit's external static pressure is not exceeded.

(See the technical documentation for the range of the external static pressure setting.)

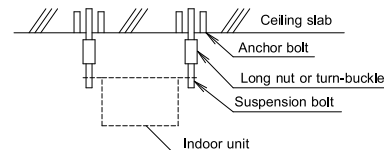
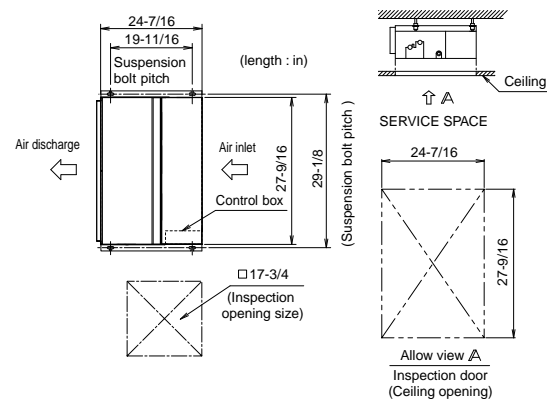
## ■ Open the installation hole. (Pre-set ceilings)

- Once the installation hole is opened in the ceiling where the unit is to be installed, pass refrigerant piping, drain piping, transmission wiring, and remote controller wiring (unnecessary if using a wireless remote controller) to the unit's piping and wiring holes. See "REFRIGERANT PIPING WORK", "DRAIN PIPING WORK", and "WIRING".
- After opening the ceiling hole, make sure ceiling is level if needed. It might be necessary to reinforce the ceiling frame to prevent shaking. Consult an architect or carpenter for details.

## ■ Install the suspension bolts.

(Use W3/8 to M10 suspension bolts.)

Use a hole-in-anchor, sunken insert, sunken anchor for existing ceilings, and a sunken insert, sunken anchor or other part to be procured in the field to reinforce the ceiling to bearing the weight of the unit. (Refer to Fig.)

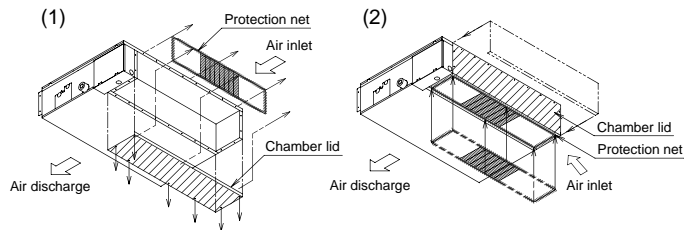


Note: All the above parts are field supplied.

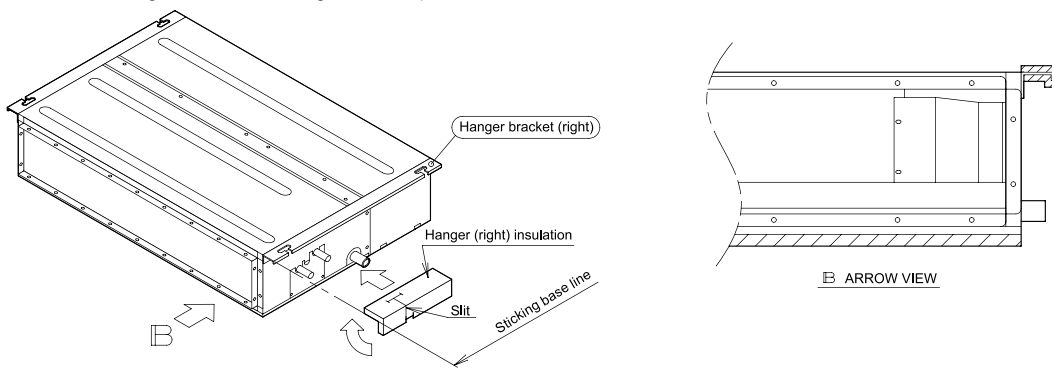
■ **Mount chamber lid and air filter (accessory).**

For bottom intake, replace the chamber lid and the protection net in the procedure listed in Fig.

- (1) Remove the protection net. (6 locations)
- Remove the chamber lid. (7 locations)
- (2) Reattach the removed chamber lid in the orientation shown in Fig.(7 locations)
- Reattach the removed protection net in the orientation shown in Fig. (6 locations)
- Refer to Fig. for the direction of the protection net.

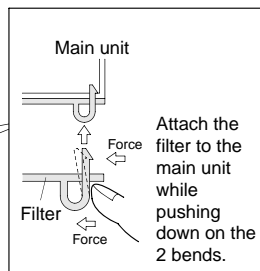
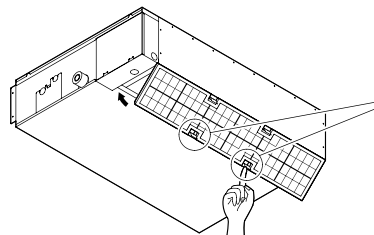


- (3) Attach the hanger (right) insulation to the right hanger. (Stored in outlet vent)
- (See the below figure for the sticking base line.)

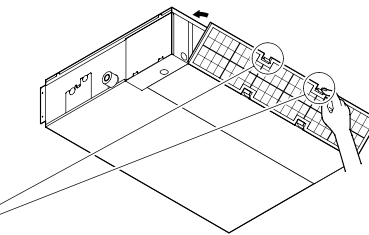


- (4) Attach the air filter (accessory) in the manner shown in the diagram.

In case of bottom side



In case of back side

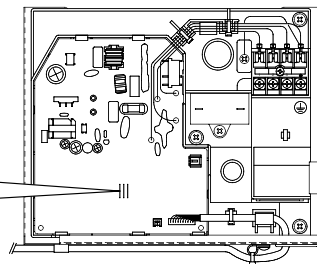


■ **When two indoor units are installed in one room, one of the two wireless remote controllers can be easily set for another addresses.**

PCB in the indoor unit

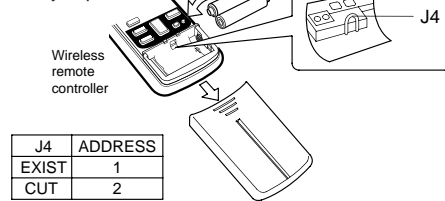
- Cut the jumper JA on PCB.

JA	ADDRESS: JA
EXIST	1
CUT	2
JB	
JC	



Wireless remote controller

- Cut the jumper J4.



J4	ADDRESS
EXIST	1
CUT	2



# INDOOR UNIT INSTALLATION

《 As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company. 》

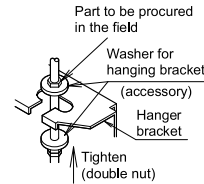
■ **Install the indoor unit temporarily.**

- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket. (Refer to Fig.)

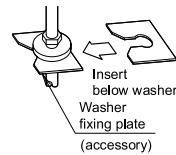
[ **PRECAUTION** ]

Since the unit uses a plastic drain pan, prevent welding spatter and other foreign substances from entering the outlet hole during installation.

[ Securing the hanger bracket ]

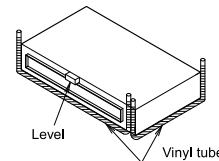


[ How to secure washers ]



■ **Adjust the height of the unit.**

■ **Check the unit is horizontally level.**



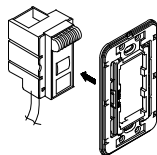
⚠ **Caution**

Make sure the unit is installed level using a level or a plastic tube filled with water. In using a plastic tube instead of a level, adjust the top surface of the unit to the surface of the water at both ends of the plastic tube and adjust the unit horizontally. (One thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping, as this might cause leaking.)

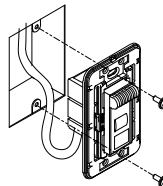
■ **Tighten the upper nut.**

■ **Mounting the receiver.**

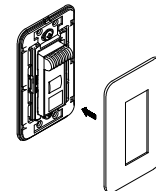
Mount the receiver as shown below.



① Press the receiver into the mounting frame.



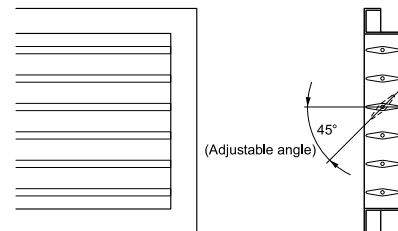
② Mount the completed assembly using two screws.



③ Press the decorative cover into the mounting frame.

Note) Mount the Remote controller cord far enough away from strong electrical wires (such as distribution wires for electrical lights, air conditioners, etc.) and from weak electrical wires (such as wires for telephones, intercoms, etc.).

For heat pump: If your feet feel cold when using the heating function, it is recommended that the air discharge grille shown at below be attached.



# OUTDOOR UNIT INSTALLATION

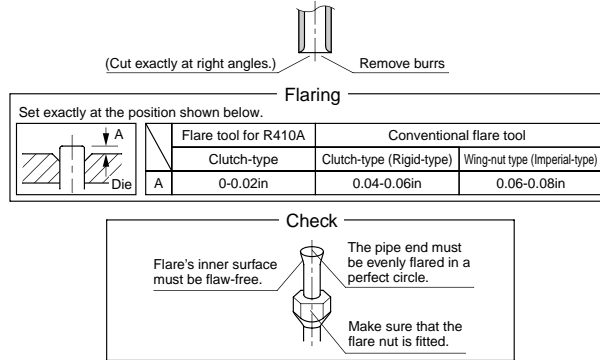
Install as described in the installation manual supplied with the outdoor unit.

# REFRIGERANT PIPING WORK

See the installation manual supplied with the outdoor unit.

## 1. FLARING THE PIPE END

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



### Warning

- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Do never install a drier to this R410A unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

## 2. REFRIGERANT PIPING

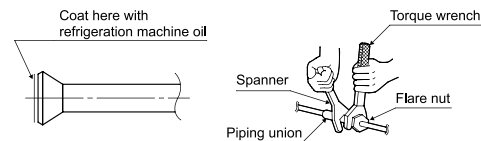
- 1) To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare. (Use refrigeration oil for R410A)
- 2) Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
  - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque		
Gas side		Liquid side
3/8 in	1/2 in	1/4 in
24.1-29.4ft•lb	36.5-44.5ft•lb	10.4-12.7ft•lb

### Caution

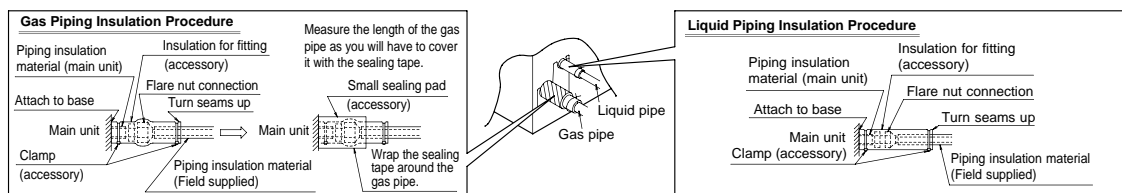
Overtightening may damage the flare and cause leaks.

- 3) After the work is finished, make sure to check that there is no gas leak.



- 4) After checking for gas leaks, be sure to insulate the pipe connections.

- Insulate using the insulation for fitting included with the liquid and gas pipes. Besides, make sure the insulation for fitting on the liquid and gas piping has its seams facing up. (Tighten both edges with clamp.)
- For the gas piping, wrap the medium sealing pad over the insulation for fitting (flare nut part).



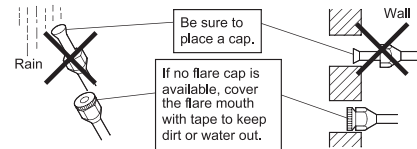
# REFRIGERANT PIPING WORK

## ⚠ Caution

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.

### Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture. (Tighten both edges with clamp.)
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam  
Heat transfer rate: 0.024 to 0.030Btu/hft°F

Be sure to use insulation that is designed for use with HVAC Systems.

- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side	Liquid side	Gas pipe thermal insulation	Liquid pipe thermal insulation
O.D. 3/8 inch (9.5mm)	O.D. 1/4 inch (6.4mm)	I.D. 1/2 to 5/8 inch (15.9mm)	I.D. 3/8 inch (9.5mm)
Minimum bend radius		Thickness 0.393 inch (8mm) Min.	
1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)			

Also, when subject to high humidity, heat insulation of the refrigerant piping (the unit piping and branch piping) must be further reinforced.

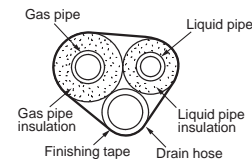
Reinforce the insulation when installing the unit near bathrooms, kitchens, and other similar locations.

Refer to the following:

- 86°F, more than 75% RH: 13/16in Min. in thickness

If the insulation is not sufficient, condensation may form on the surface of the insulation.

- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



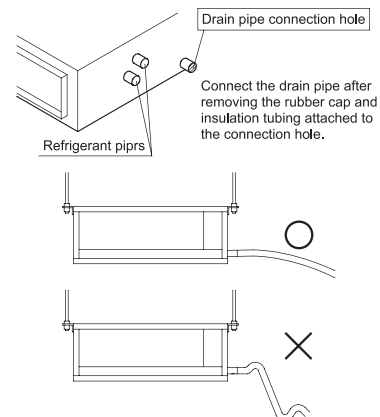
# DRAIN PIPING WORK

## ⚠ Caution

Make sure all water is out before making the duct connection.

### ■ Install the drain piping.

- Make sure the drain works properly.
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 25/32in; outer dimension: 1-1/32in).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.

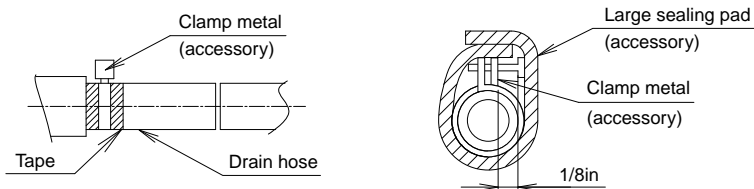


### ⚠ Caution

Water accumulating in the drain piping can cause the drain to clog.

- To keep the drain tube from sagging, space hanging wires every 3 to 5ft.
- Use the drain hose and the metal clamp. Insert the drain hose fully into the drain socket and firmly tighten the metal clamp with the upper part of the tape on the hose end. Tighten the metal clamp until the screw head is less than 1/8in from the hose.
- The two areas below should be insulated because condensation may form there causing water to leak.
  - Drain piping passing indoors
  - Drain sockets

Referring the figure below, insulate the metal clamp and drain hose using the included large sealing pad.



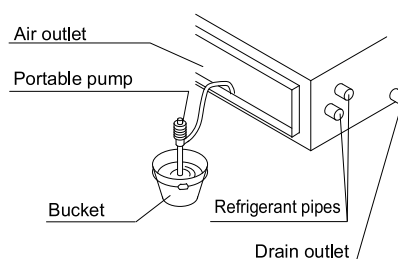
### < PRECAUTIONS >

#### Drain piping connections

- Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, so that excessive force is not applied to it. (This type of treatment may cause leaking.)

#### ■ After piping work is finished, check drainage flows smoothly.

- Gradually insert approximately 1L of water into the drain pan to check drainage in the manner described below.
  - Gradually pour approximately 1L of water from the outlet hole into the drain pan to check drainage.
  - Check the drainage.



## INSTALLING THE DUCT

Connect the duct supplied in the field.

#### Air inlet side

- Attach the duct and intake-side flange (field supply).
- Connect the flange to the main unit with accessory screws (in 16, 20 or 24 positions).
- Wrap the intake-side flange and duct connection area with aluminum tape or something similar to prevent air escaping.

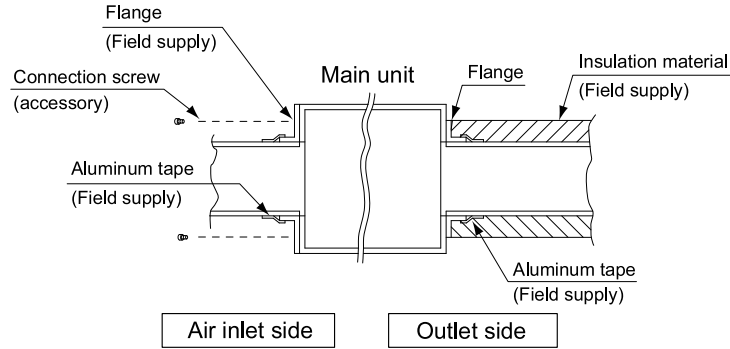
### ⚠ Caution

When attaching a duct to the intake side, be sure also to attach an air filter inside the air passage on the intake side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.)

# INSTALLING THE DUCT

## Outlet side

- Connect the duct according to the inside of the outlet-side flange.
- Wrap the outlet-side flange and the duct connection area with aluminum tape or something similar to prevent air escaping.



## ⚠ Caution

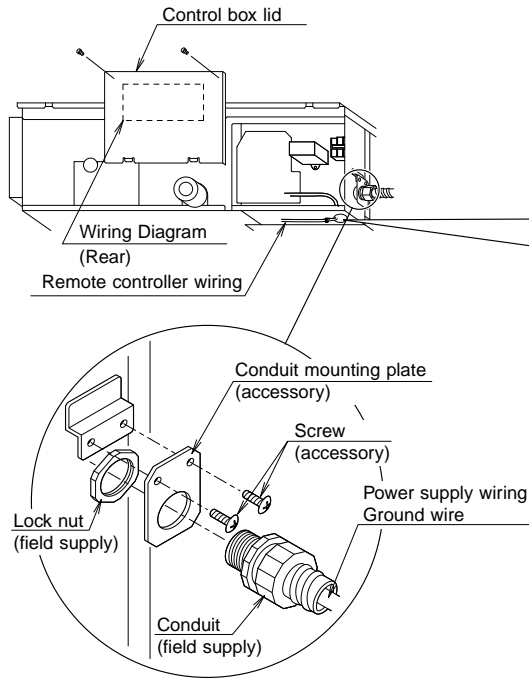
- Be sure to insulate the duct to prevent condensation from forming. (Material: glass wool or polyethylene foam, 1in thick)
- Use electric insulation between the duct and the wall when using metal ducts to pass metal laths of the net or fence shape or metal plating into wooden buildings.

# WIRING

See the installation manual supplied with the outdoor unit.

## ■ HOW TO CONNECT WIRINGS.

- Wire only after removing the control box lid as shown in the Fig.



⚠ • Wrap the remote controller wiring with the sealing material as shown in the figure below. (Otherwise, moisture or small creatures such as insects from the outside may cause short-circuit inside the control box.) Attach securely so that there are no gaps.

[How to adhere it]

**⚠ Caution**

- When doing the wiring, make sure the wiring is neat and does not cause the control box lid to stick up, then close the cover firmly. When attaching the control box lid, make sure you do not pinch any wires.
- Outside the unit, separate the low voltage wiring (remote controller wiring) and high voltage wiring (earth wire and power supply wiring) at least 5in so that they do not pass through the same place together.

**[ PRECAUTION ]**

- See also the "Electrical Wiring Diagram Label" when wiring the unit for power supply.

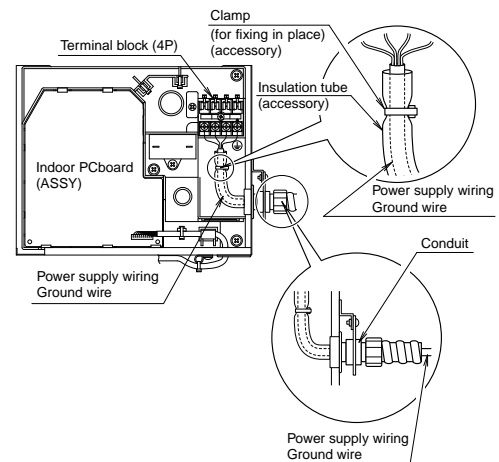
**[ Connecting electrical wiring ]****• Power supply wiring and Earth wire**

Remove the control box lid.

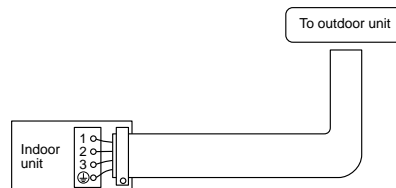
Next, pull the wires into the unit through the conduit and thread them through the insulation tube (accessory), then connect to the power wiring terminal block (4P).

Secure the wires covered by the insulation tube with the clamp (accessory).

Be sure to put the part of the sheathed vinyl into the control box.

**⚠ Warning**

Do not use tapped wires, stand wires, extensioncords, or starburst connections, as they may cause overheating, electrical shock, or fire.



# TRIAL OPERATION AND TESTING

## Trial operation and testing

- (1) Measure the supply voltage and make sure that it falls in the specified range.
- (2) Trial operation should be carried out in either cooling or heating mode.

Trial operation from remote controller
<ol style="list-style-type: none"> <li>(1) Press ON/OFF button to turn on the system.</li> <li>(2) Simultaneously press center of TEMP button and MODE button.</li> <li>(3) Press MODE button twice. ("γ" will appear on the display to indicate that Trial Operation mode is selected.)</li> <li>(4) Trial operation mode terminates in approx. 30 minutes and switches into normal mode. To quit the trial operation, press ON/OFF button.</li> </ol>

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.















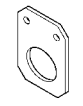


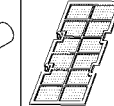
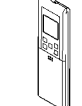

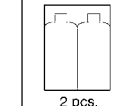



- Trial operation may be disabled in either mode depending on the room temperature.
  - After trial operation is complete, set the temperature to a normal level (79°F to 82°F in cooling mode, 68°F to 75°F in heating mode).
  - For protection, the system disables restart operation for 3 minutes after it is turned off.
- (3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
- \* The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
  - \* If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.

## Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain pipe is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or discharge has clear path of air. Shut-off valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

3.5 FDXS09/12LVJU, CDXS15/18LVJU

# Accessories

Clamp metal	Insulation for fitting	Sealing pad			Drain hose	Washer for hanger bracket	Sealing material	Clamp	Washer fixing plate	Screws for duct flanges
1 pc.	1 each	Large and small 1 each	3 pcs. (only for 15-18 class)	1 pc.	1 pc.	8 pcs.	2 pcs.	6 pcs.	1 set	1 set
	 for gas pipe  for liquid pipe	 Large  Small	 2 large  1 small	 Hanger (right) insulation				 One is spare	 4 pcs.	 24 pcs.
Stored in outlet vent										
Conduit mounting plate	Screws for conduit mounting plate	Insulation tube	Air filter	Wireless remote controller	Remote controller holder	Dry battery AAA, LR03 (alkaline)	Receiver kit			
1 pc.	2 pcs.	1 pc.	1 pc.	1 pc.	1 pc.	1 set	1 pc.	1 pc.	2 pcs.	
						 2 pcs.	 Mounting frame	 Decorative cover	 Screws M4 x 25	
[ Other ]	<ul style="list-style-type: none"> <li>• Operation manual</li> <li>• Installation manual</li> </ul>									



# Choosing an Installation Site

- Before choosing the installation site, obtain user approval.

## 1. Indoor unit

### **⚠ CAUTION**

- When moving the unit during or after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts. Wear protective gear (such as gloves) when installing the unit.
- If you think the humidity inside the ceiling might exceed 86°F (30°C) and RH80%, reinforce the insulation on the unit body. Use glass wool or polyethylene foam as insulation so that the thickness is more than 0.4in (10mm) and fits inside the ceiling opening.

- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.
- Piping between the indoor and outdoor units is within the allowable limits. (Refer to the installation manual for the outdoor unit.)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring is at least 3.3ft (1m) away from televisions and radios. This prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a 3.3ft (1m) allowance is maintained.)

- **Use suspension bolts to install the unit. Check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.**

(Installation pitch is marked on the carton box for installation. Refer to it to check for points requiring reinforcing.) Select the \*H dimension such that a downward slope of at least 1/100 is ensured as indicated in "Drain Piping Work".

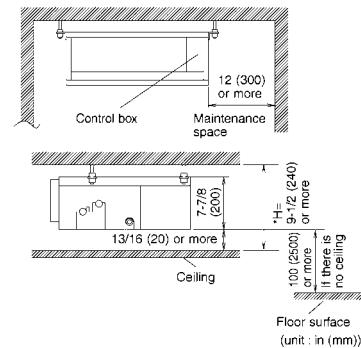
- The installation pitch is listed on the packing material, and should be checked when deciding whether to reinforce the location or not.

- **Select the signal receiver mounting location according to the following conditions:**

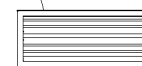
- Install the signal receiver, which has a built-in temperature sensor, near the intake vent where there is convection of air and it can get an accurate reading of the room's temperature. If the intake vent is in another room or the unit cannot be installed near the intake vent for any other reason, install it 5ft (1.5m) above the floor on a wall where there is convection.
- In order to get an accurate reading of the room's temperature, install the signal receiver in a location where it is not exposed directly to cold or hot air from the air discharge grille or to direct sunlight.
- Since the receiver has a built-in light receptor to receive signals from the wireless remote controller, do not mount it in a location where the signal may be blocked by a curtain, etc.

### **⚠ CAUTION**

If the signal receiver is not installed in a location where there is convection of air, it may be unable to get an accurate reading of the room's temperature.



Air outlet grille:  
Wooden or plastic grille is recommended because condensation may occur depending on humidity conditions.



# Choosing an Installation Site

## 2. Wireless remote controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 13ft (4m)).

## 3. Outdoor unit

- For outdoor unit installation, see the installation manual supplied with the outdoor unit.

# Preparations before Installation

### ■ Relation of the unit to the suspension bolt positions.

- Install the inspection opening on the control box side where maintenance and inspection of the control box are easy. Install the inspection opening also in the lower part of the unit.

### ■ Make sure the range of the unit's external static pressure is not exceeded.

(See the technical documentation for the range of the external static pressure setting.)

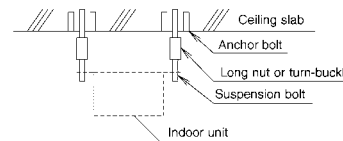
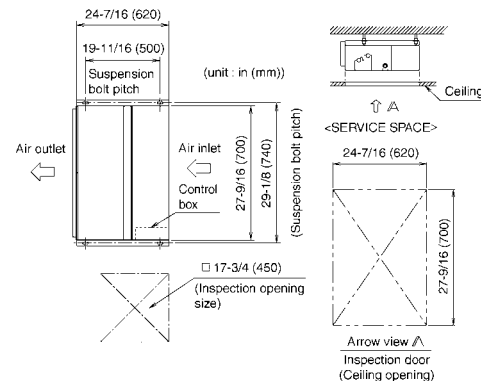
### ■ Open the installation hole. (Pre-set ceilings)

- Once the installation hole is opened in the ceiling where the unit is to be installed, pass refrigerant piping, drain piping, transmission wiring, and remote controller wiring (unnecessary if using a wireless remote controller) to the unit's piping and wiring holes. See "Refrigerant Piping Work", "Drain Piping Work", and "Wiring".
- After opening the ceiling hole, make sure ceiling is level if needed. It might be necessary to reinforce the ceiling frame to prevent shaking. Consult an architect or carpenter for details.

### ■ Install the suspension bolts.

(Use W3/8 to M10 suspension bolts.)

- Use a hole-in-anchor, sunken insert, sunken anchor for existing ceilings, and a sunken insert, sunken anchor or other part to be procured in the field to reinforce the ceiling to bearing the weight of the unit. (Refer to Fig.)

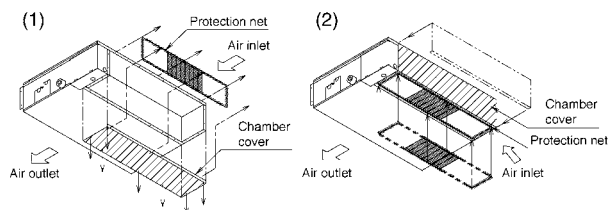


Note: All the above parts are field supplied.

### ■ Mount chamber cover and air filter (accessory).

For bottom intake, replace the chamber cover and the protection net (only for 09-12 class) in the procedure listed in Fig.

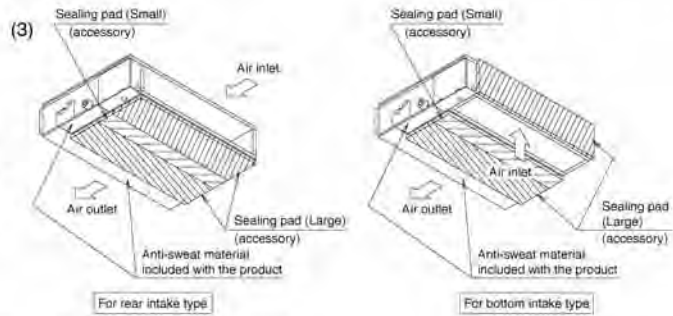
- (1) Remove the protection net. (only for 09-12 class, 6 locations)  
Remove the chamber cover. (7 locations)
- (2) Reattach the removed chamber cover in the orientation shown in Fig. (7 locations)  
Reattach the removed protection net in the orientation shown in Fig. (only for 09-12 class, 6 locations)  
Refer to Fig. for the direction of the protection net.



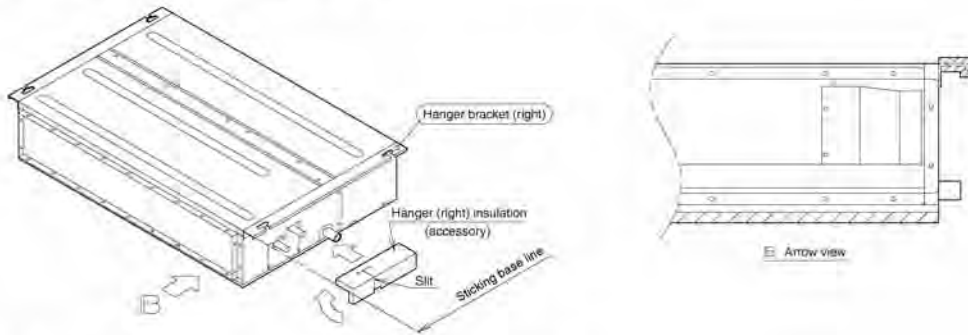
(3) Attach sealing pad as shown in the right figure. (Stored in outlet vent) (only for 15-18 class)

(In order to take in the air inside the ceiling, and when not taking in air from outdoor air, it is not necessary to stick.)

- Attach the sealing pad (accessory) to the plate metal sections which are not covered by anti-sweat material.
- Make sure there are no gaps between the different pieces of sealing pad.

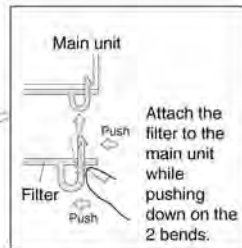
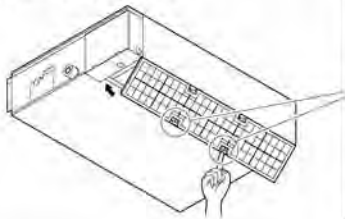


(4) Attach the hanger (right) insulation to the right hanger. (Stored in outlet vent) (See the below figure for the sticking base line.)

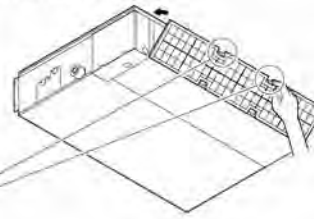


(5) Attach the air filter (accessory) in the manner shown in the diagram.

In case of bottom side



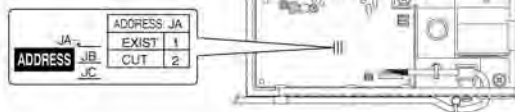
In case of back side



■ When two indoor units are installed in one room, one of the two wireless remote controllers can be easily set for another addresses.

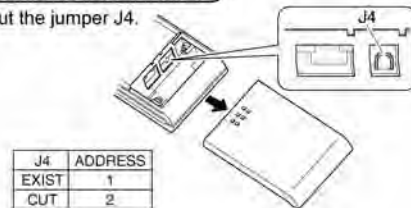
PCB in the indoor unit

- Cut the jumper JA on PCB.



Wireless remote controller

- Cut the jumper J4.



# Indoor Unit Installation

<< As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company. >>

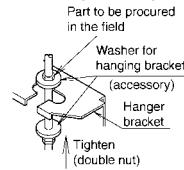
## ■ Install the indoor unit temporarily.

- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket. (Refer to Fig.)

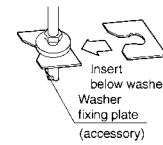
### [ PRECAUTION ]

Since the unit uses a plastic drain pan, prevent welding spatter and other foreign substances from entering the outlet hole during installation.

### [ Securing the hanger bracket ]

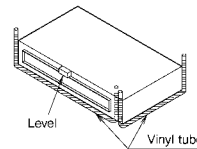


### [ How to secure washers ]



## ■ Adjust the height of the unit.

## ■ Check the unit is horizontally level.



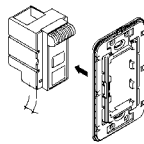
## ⚠ CAUTION

- Make sure the unit is installed level using a level or a plastic tube filled with water. In using a plastic tube instead of a level, adjust the top surface of the unit to the surface of the water at both ends of the plastic tube and adjust the unit horizontally. (One thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping, as this might cause leaking.)

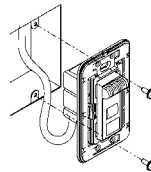
## ■ Tighten the upper nut.

## ■ Mounting the receiver.

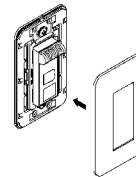
Mount the receiver as shown below.



① Press the receiver into the mounting frame.



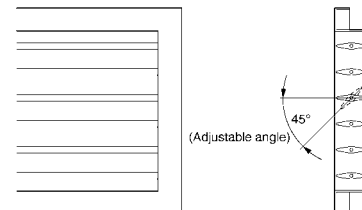
② Mount the completed assembly using two screws.



③ Press the decorative cover into the mounting frame.

Note) Mount the Remote controller cord far enough away from strong electrical wires (such as distribution wires for electrical lights, air conditioners, etc.) and from weak electrical wires (such as wires for telephones, intercoms, etc.).

For heat pump: If your feet feel cold when using the heating function, it is recommended that the air outlet grille shown at below be attached.



# Outdoor unit Installation

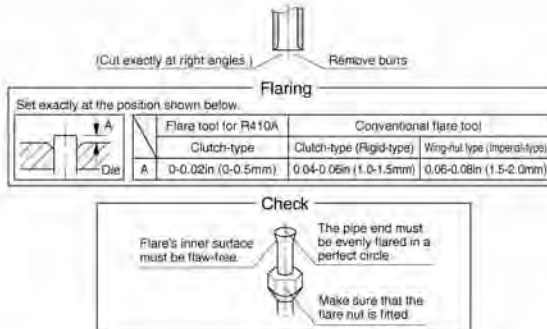
Install as described in the installation manual supplied with the outdoor unit.

# Refrigerant Piping Work

See the installation manual supplied with the outdoor unit.

## 1. Flaring the pipe end

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.



### ⚠ WARNING

- Do not use mineral oil on flared part.
  - Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
  - Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
  - Never install a drier to this R410A unit in order to guarantee its lifetime.
  - The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

## 2. Refrigerant piping

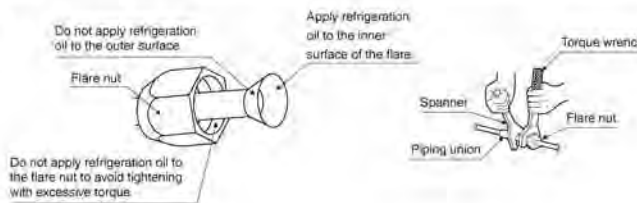
- 1) To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare. (Use refrigeration oil for R410A)
- 2) Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
  - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque		
Gas side		Liquid side
FDXS	CDXS	
3/8 inch (9.5mm)	1/2 inch (12.7mm)	1/4 inch (6.4mm)
24.1-29.4ft•lbf (32.7-39.9N•m)	36.5-44.5ft•lbf (49.5-60.3N•m)	10.4-12.7ft•lbf (14.2-17.2N•m)

### ⚠ CAUTION

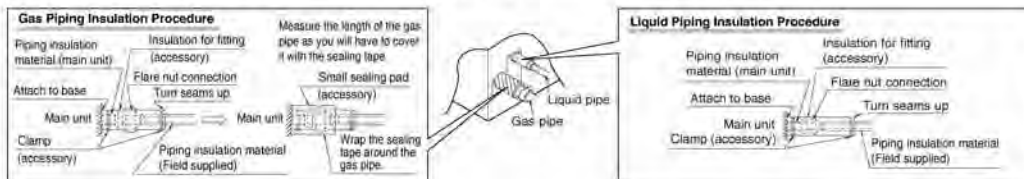
- Overtightening may damage the flare and cause leaks.

- 3) After the work is finished, make sure to check that there is no gas leak.



- 4) After checking for gas leaks, be sure to insulate the pipe connections.

- Insulate using the insulation for fitting included with the liquid and gas pipes. Besides, make sure the insulation for fitting on the liquid and gas piping has its seams facing up. (Tighten both edges with clamp.)
- For the gas piping, wrap the medium sealing pad over the insulation for fitting (flare nut part).



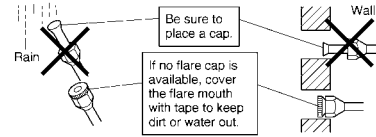
# Refrigerant Piping Work

## ⚠ CAUTION

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.

### Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture. (Tighten both edges with clamp.)
- All pipe bends should be as gentle as possible. Use a pipe bender for bending. (Bending radius should be 1-1/4 inch (32mm) or larger.)



### Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030Btu/ft<sup>2</sup>h°F (0.035 to 0.045kcal/mh°C))  
Be sure to use insulation that is designed for use with HVAC Systems.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

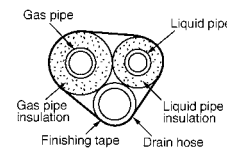
Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
FDXS	CDXS		FDXS	CDXS	
O.D. 3/8 inch (9.5mm)	O.D. 1/2 inch (12.7mm)	O.D. 1/4 inch (6.4mm)	I.D. 15/32-19/32 inch (12-15mm)	I.D. 9/16-5/8 inch (14-16mm)	I.D. 5/16-13/32 inch (8-10mm)
Minimum bend radius			Thickness 13/32 inch (10mm) Min.		
1-3/16 inch (30mm) or more	1-9/16 inch (40mm) or more	1-3/16 inch (30mm) or more			
Thickness 0.031 inch (0.8mm) (C1220T-O)					

Also, when subject to high humidity, heat insulation of the refrigerant piping (the unit piping and branch piping) must be further reinforced.

Reinforce the insulation when installing the unit near bathrooms, kitchens, and other similar locations.

Refer to the following:

- 86°F (30°C), more than 75% RH: 13/16 inch (20mm) Min. in thickness
- If the insulation is not sufficient, condensation may form on the surface of the insulation.
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



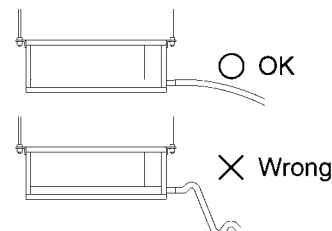
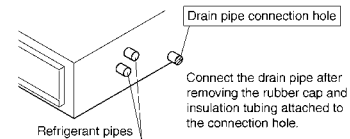
# Drain Piping Work

## ⚠ CAUTION

Make sure all water is out before making the duct connection.

### ■ Install the drain piping.

- Make sure the drain works properly.
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 25/32 inch (20mm); outer dimension: 1-1/32 inch (26mm)).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.

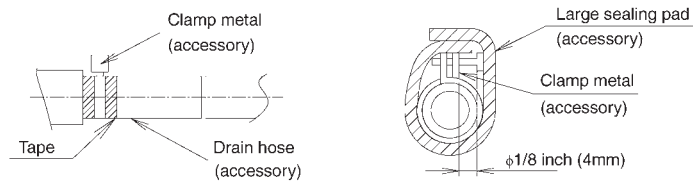


**⚠ CAUTION**

- Water accumulating in the drain piping can cause the drain to clog.

- To keep the drain tube from sagging, space hanging wires every 3 (1) to 5ft (1.5m).
- Use the drain hose and the metal clamp. Insert the drain hose fully into the drain socket and firmly tighten the metal clamp with the upper part of the tape on the hose end. Tighten the metal clamp until the screw head is less than 1/8 inch (4mm) from the hose.
- The two areas below should be insulated because condensation may form there causing water to leak.
  - Drain piping passing indoors
  - Drain sockets

Referring the figure below, insulate the metal clamp and drain hose using the included large sealing pad.

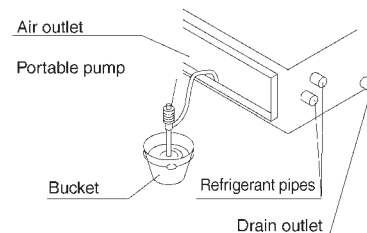
**<PRECAUTIONS>**

Drain piping connections

- Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, so that excessive force is not applied to it. (This type of treatment may cause leaking.)

**■ After piping work is finished, check drainage flows smoothly.**

- Gradually insert approximately 1 quart (1L) of water into the drain pan to check drainage in the manner described below.
  - Gradually pour approximately 1 quart (1L) of water from the outlet hole into the drain pan to check drainage.
  - Check the drainage.



## Installing the Duct

Connect the duct supplied in the field.

**Air inlet side**

- Attach the duct and intake-side flange (field supply).
- Connect the flange to the main unit with accessory screws (in 16, 20 or 24 positions).
- Wrap the intake-side flange and duct connection area with aluminum tape or something similar to prevent air escaping.

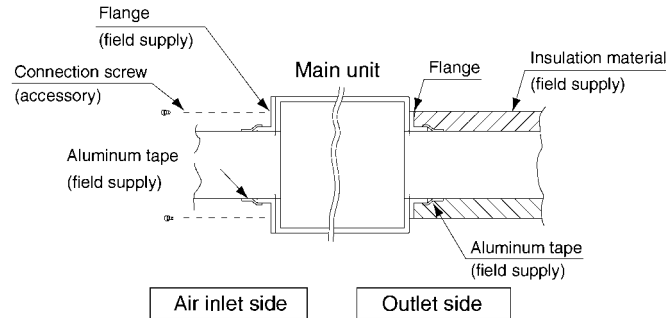
**⚠ CAUTION**

- When attaching a duct to the intake side, be sure also to attach an air filter inside the air passage on the intake side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.)

# Installing the Duct

## Outlet side

- Connect the duct according to the inside of the outlet-side flange.
- Wrap the outlet-side flange and the duct connection area with aluminum tape or something similar to prevent air escaping.



### ⚠ CAUTION

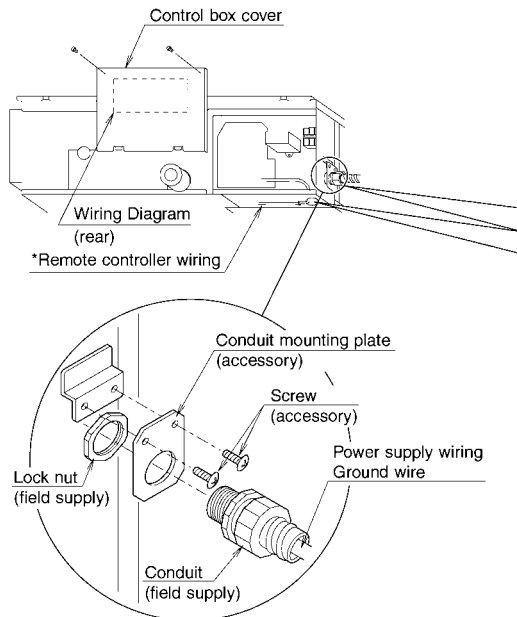
- Be sure to insulate the duct to prevent condensation from forming. (Material: glass wool or polyethylene foam, 1 inch (25mm) thick)
- Use electric insulation between the duct and the wall when using metal ducts to pass metal laths of the net or fence shape or metal plating into wooden buildings.

# Wiring

See the installation manual supplied with the outdoor unit.

## ■ HOW TO CONNECT WIRINGS.

- Wire only after removing the control box cover as shown in the Fig.



⚠ • Wrap the power supply wiring and the remote controller wiring with the sealing material as shown in the figure below.  
 (Otherwise, moisture or small creatures such as insects from the outside may cause short-circuit inside the control box.)  
 Attach securely so that there are no gaps.

[How to adhere it]



**⚠ CAUTION**

- When doing the wiring, make sure the wiring is neat and does not cause the control box cover to stick up, then close the cover firmly. When attaching the control box cover, make sure you do not pinch any wires.
- Outside the unit, separate the low voltage wiring (remote controller wiring) and high voltage wiring (ground wire and power supply wiring) at least 5in so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

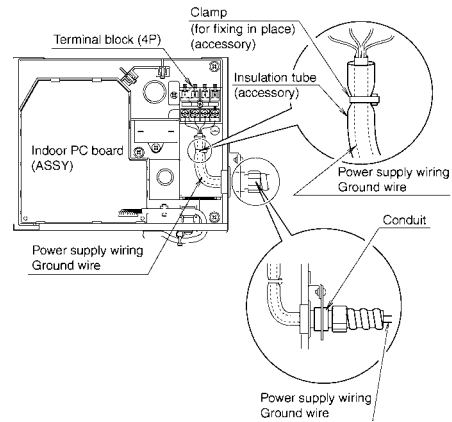
[ PRECAUTION ]

- See also the “Electrical Wiring Diagram Label” when wiring the unit for power supply.

[ Connecting electrical wiring ]

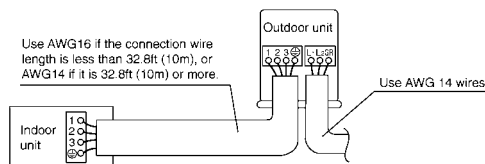
• **Power supply wiring and ground wire**

Remove the control box cover.  
 Next, pull the wires into the unit through the conduit and thread them through the insulation tube (accessory), then connect to the power wiring terminal block (4P).  
 Secure the wires covered by the insulation tube with the clamp (accessory).  
 Be sure to put the part of the sheathed vinyl into the control box.



**⚠ WARNING**

- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.



# Trial Operation and Testing

## 1. Trial operation and testing

- (1) Measure the supply voltage and make sure that it falls in the specified range.
- (2) Trial operation should be carried out in either cooling or heating mode.

Trial operation from remote controller
<ol style="list-style-type: none"> <li>(1) Press ON/OFF button to turn on the system.</li> <li>(2) Simultaneously press center of TEMP button and MODE button.</li> <li>(3) Press MODE button twice. ("T") will appear on the display to indicate that Trial Operation mode is selected.)</li> <li>(4) Trial operation mode terminates in approx. 30 minutes and switches into normal mode. To quit the trial operation, press ON/OFF button.</li> </ol>

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

- Trial operation may be disabled in either mode depending on the room temperature.
- After trial operation is complete, set the temperature to a normal level (79°F (26°C) to 82°F (28°C) in cooling mode, 68°F (20°C) to 75°F (24°C) in heating mode).
- For protection, the system disables restart operation for 3 minutes after it is turned off.

- (3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.

\* The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.



\* If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.

## 2. Test items

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Drain pipe is properly installed.	Water leakage	
System is properly grounded.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air inlet or discharge has clear path of air. Shut-off valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

# 4. Outdoor Unit

## 4.1 2MXS18GVJU

Accessories					
Accessories supplied with the outdoor unit:					
(A) Installation Manual	1	(B) Drain plug	1	(C) Tube	1
		 <p>There is on the bottom packing case.</p>			
				(D) Binding band	2

### Precautions for Selecting the Location

**OUTDOOR UNIT**

- 1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation sound will not be amplified.
- 2) Choose a location where the hot air discharged from the unit or the operation sound will not cause a nuisance to the neighbors of the user.
- 3) Avoid places near a bedroom and the like, so that the operation sound will cause no trouble.
- 4) There must be sufficient spaces for carrying the unit into and out of the site.
- 5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
- 6) The site must be free from the possibility of flammable gas leakage in a nearby place.
- 7) Install units, power cords and inter-unit cables at least 9.5 feet away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 9.5 feet away depending on radio wave conditions.)
- 8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
- 9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

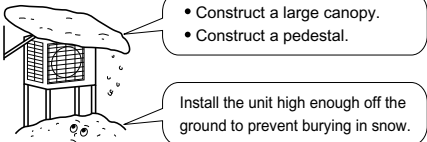
**NOTE**

Cannot be installed hanging from ceiling or stacked.

**CAUTION**

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

- 1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
- 2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
- 3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
- 4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

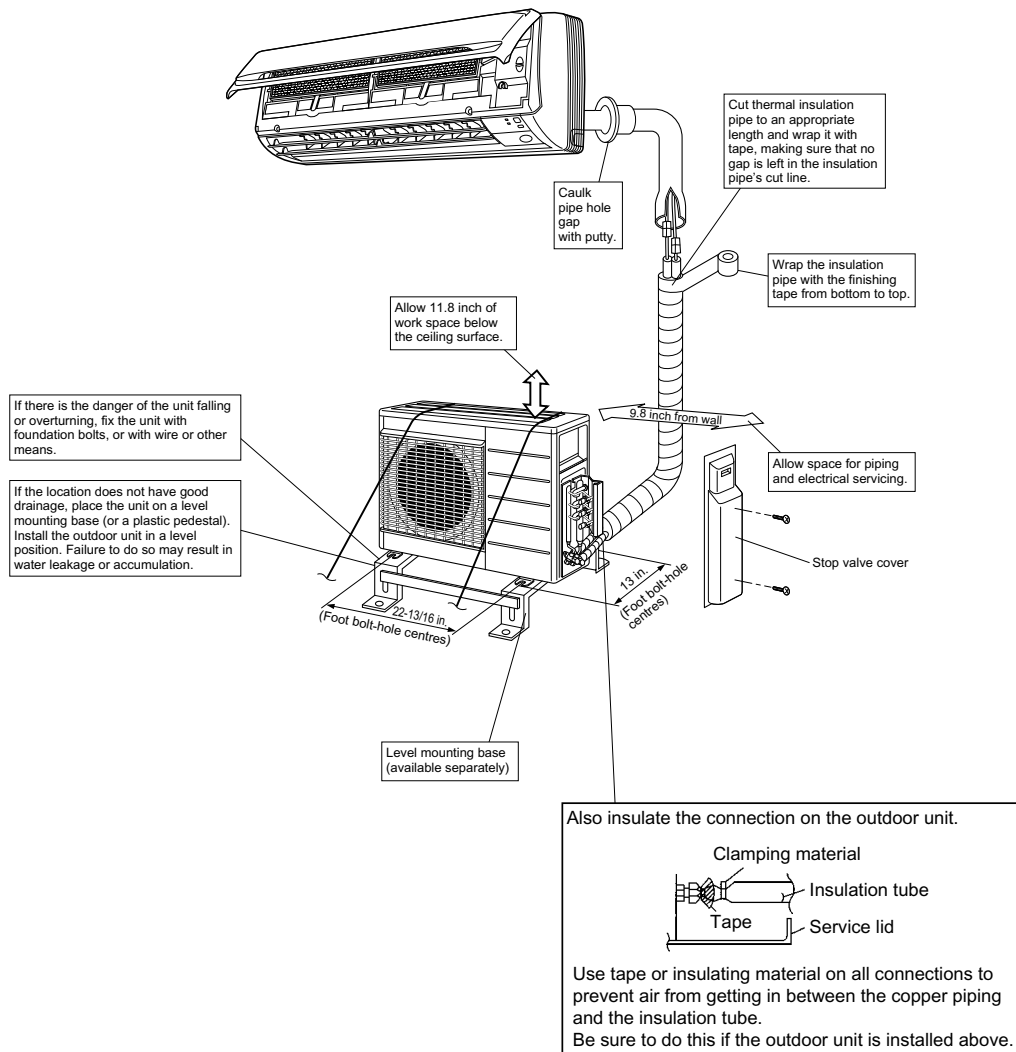


## Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.  
(The diagram shows a wall-mounted indoor unit.)

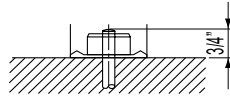
**CAUTION**

- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.  
Make sure no dirt or moisture gets into either side of the embedded branch piping.  
See "6 Refrigerant Piping Work" in "Outdoor Unit" for details.
- It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**



### Precautions on Installation

- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare four sets of M3/8" or M7/16" foundation bolts, nuts and washers each which are available on the market.)
- It is best to screw in the foundation bolts until their length are 3/4" from the foundation surface.



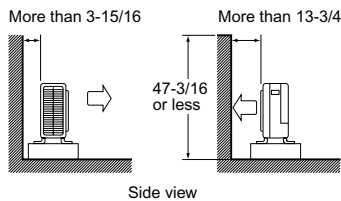
### Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

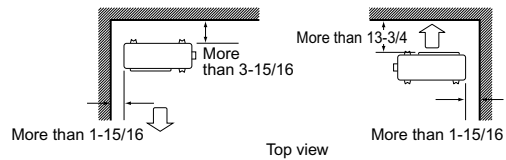
### Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 4 ft or less.

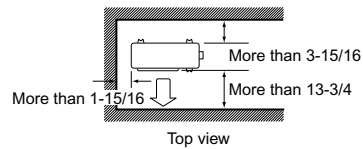
Wall facing one side



Walls facing two sides



Walls facing three sides

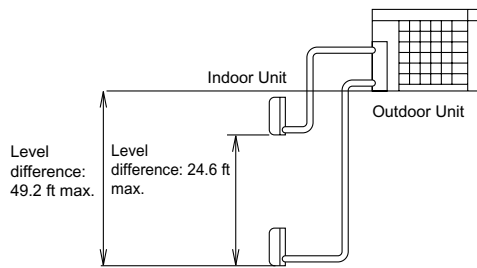


Unit: in.

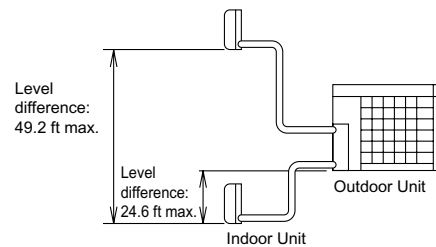
## Selecting a Location for Installation of the Indoor Units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 9.8 ft.**)

Outdoor unit capacity class	2MXS18
Piping to each indoor unit	82 ft max.
Total length of piping between all units	164 ft max.



If the outdoor unit is positioned higher than the indoor units.



If the one indoor unit is positioned higher than the outdoor unit, and other indoor unit is positioned lower than it.

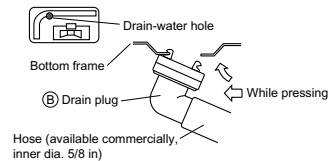
## Outdoor Unit

### 1. Installing Outdoor Unit

- When installing the outdoor unit, refer to "Precautions for Selecting the Location" and the "Indoor/Outdoor Unit Installation Drawings".
- If drain work is necessary, follow the procedures below.

### 2. Drain Work

- Use **(B)** drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 1-3/16 inch in height under the outdoor unit's feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

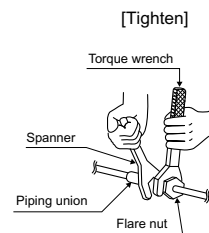
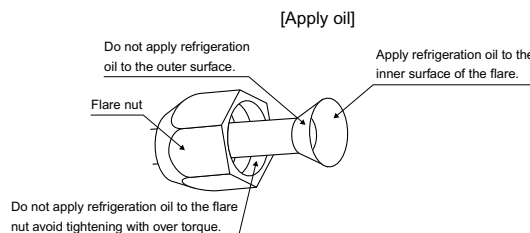


### 3. Refrigerant Piping

#### ⚠ CAUTION

- Use the flare nut fixed to the main unit. (To prevent cracking of the flare nut by aged deterioration.)
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque	
Flare nut for $\phi 1/4$	10.5~12.7 ft-lbf
Flare nut for $\phi 3/8$	24.1~29.4 ft-lbf
Flare nut for $\phi 1/2$	36.5~44.5 ft-lbf
Flare nut for $\phi 5/8$	45.6~55.6 ft-lbf

Valve cap tightening torque	
Liquid pipe	19.5~23.8 ft-lbf
Gas pipe	35.5~44.0 ft-lbf

Service port cap tightening torque
7.9~10.8 ft-lbf

# Outdoor Unit

## 4. Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage. Refer to "Purging Air and Checking Gas Leakage".

## 5. Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **0.22 oz/ft** of refrigerant (R410A) for each additional feet of piping.

Outdoor unit capacity class	2MXS18
Total length of piping for all rooms	98.4 ft

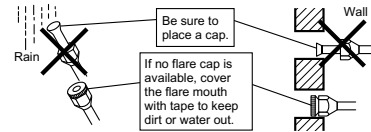
### CAUTION

Even though the stop valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

## 6. Refrigerant Piping Work

### 6-1 Cautions on pipe handling

- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.



### 6-2 Selection of copper and heat insulation materials

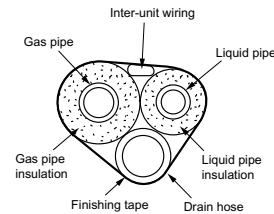
When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam  
Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030 Btu/ft<sup>2</sup>°F)

**Be sure to use insulation that is designed for use with HVAC Systems.**

- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

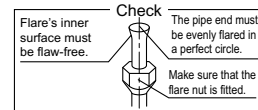
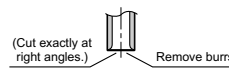
Gas pipe	O.D.: 3/8", 1/2" / Thickness:0.031" (C1220T-O) O.D.: 5/8" / Thickness:0.039" (C1220T-O)
Liquid pipe	O.D.: 1/4" / Thickness:0.031" (C1220T-O)
Gas pipe insulation	I.D.: 0.472~0.590" / Thickness:0.511" min. I.D.: 0.630~0.787" / Thickness:0.511" min.
Liquid pipe insulation	I.D.: 0.315~0.393" / Thickness:0.393" min.
Minimum bend radius	O.D.: 3/8", 1/4" / 1-3/16" or more O.D.: 1/2" / 1-9/16" or more O.D.: 5/8" / 1-15/16" or more



- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

## 7. Flaring the Pipe End

- Cut the pipe end with a pipe cutter.
- Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- Put the flare nut on the pipe.
- Flare the pipe.
- Check that the flaring is properly made.



Set exactly at the position shown below.

Flaring	Flare tool for R410A		Conventional flare tool
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)
A	0~0.020"	0.039~0.059"	0.059~0.079"

### WARNING

- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the unit life.
- Never use piping which has been used for previous installations. Only use parts which are provided with the unit.
- Do never install a refrigerant drier to this unit.
- The drying material may dissolve and damage the system.
- Incomplete or improper flaring may cause refrigerant gas leakage.

## Purging Air and Checking Gas Leakage

- When the piping work is completed, it is necessary to purge the air and check for gas leakage.

### WARNING

- Do not place any substance other than the specified refrigerant (R410A) into the refrigeration cycle.
  - When a refrigerant gas leak occurs, ventilate the room as soon and as much as possible.
  - R410A, as well as other refrigerants, should always be recovered and never be released directly into the environment.
  - Use a vacuum pump for R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.
- 
- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
  - Use a hexagonal wrench (3/16") to operate the stop valve rod.
  - All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

1) Connect projection side of charging hose (which comes from gauge manifold) to gas stop valve's service port.



2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)



3) Apply vacuum pumping. Check that the compound pressure gauge reads -29.9 in Hg. Evacuation for **at least 1 hour** is recommended.



4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.  
(Leave as is for 4~5 minutes and make sure the coupling meter needle does not go back.  
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2~4.)



5) Remove covers from liquid stop valve and gas stop valve.



6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. After the check is complete, wipe all soapy water off.



7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves. (Do not attempt to turn valve rod beyond its stop.)



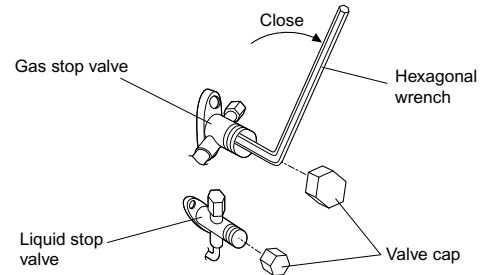
8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.



## Pump Down Operation

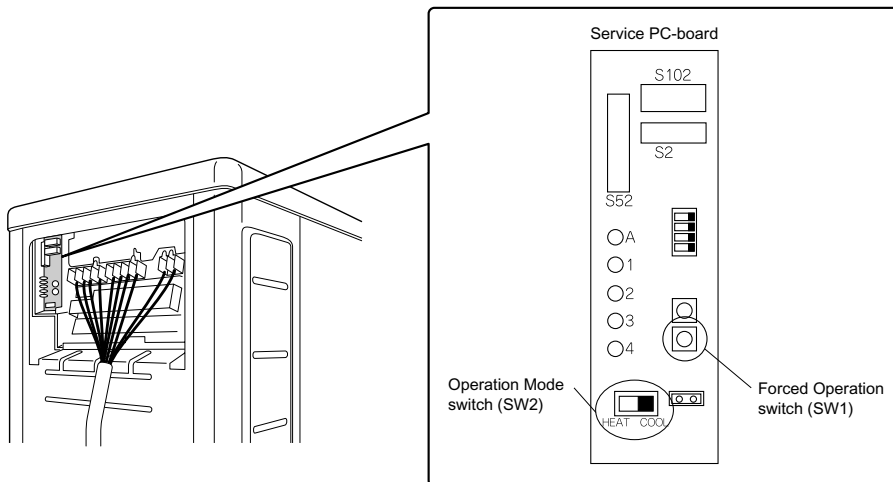
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

- 1) Remove the valve cap from liquid stop valve and gas stop valve.
- 2) Carry out forced cooling operation.
- 3) After five to ten minutes, close the liquid stop valve with a hexagonal wrench.
- 4) After two to three minutes, close the gas stop valve and stop forced cooling operation.



## Forced Operation

- 1) Turn the Operation Mode switch (SW2) to "COOL".
- 2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.



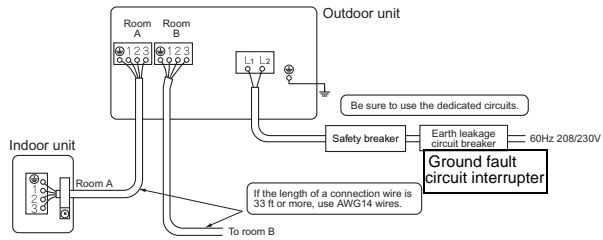
# Wiring

## ⚠ WARNING

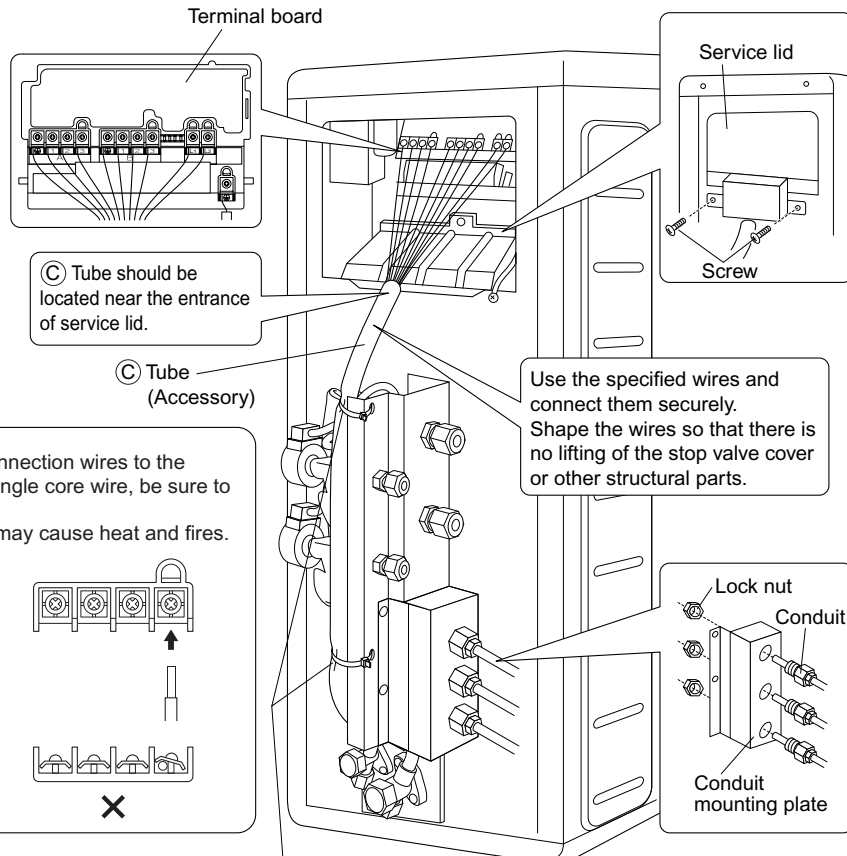
- 1) Do not use spliced wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all Local, and State electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not overload the circuit by adding drain pump or other electrical equipment to unit terminals.) Doing so may cause electric shock or fire.
- 3) Be sure to install a ground fault circuit interrupter/earth leakage circuit breaker that can handle higher harmonics. This unit uses an inverter, which means that it must be used with an ground fault circuit interrupter/earth leakage circuit breaker capable of handling harmonics in order to prevent malfunctioning of the detector/interrupter.
- 4) When carrying out wiring connection, take care not to pull at the conduit.
- 5) Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

- Do not turn ON the safety breaker until all work is completed.

- 1) Strip the insulation from the wire (3/4").
- 2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.

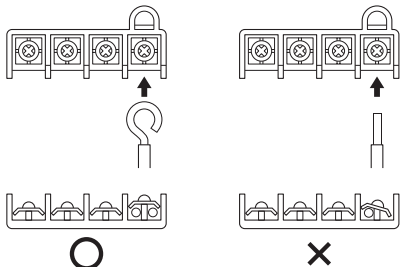


Use AWG16 or AWG14 wire for the power supply and interconnecting wires.



## ⚠ CAUTION

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.



- 3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.

Fix the (C) tube with (D) binding band.

# Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting. Setting it in the guest and living rooms is convenient.

## About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

### 1) Operation mode priority

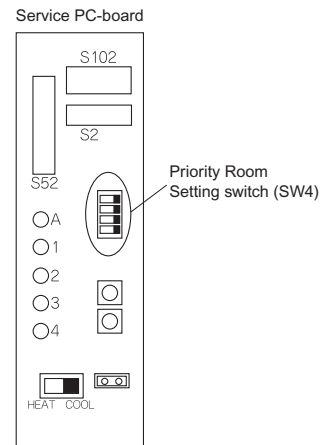
The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

### 2) Priority during powerful operation

If the indoor unit which is set for Priority Room Setting is operating at powerful, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

### 3) Quiet operation priority

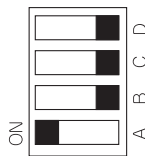
Setting the indoor unit to quiet operation will make the outdoor unit run quietly.



## Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set. (In the figure below, it is room A.) Once the settings are complete, reset the power.

**Be sure to only set one room**



### Night Quiet Mode Setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.  
Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

#### About Night Quiet Mode

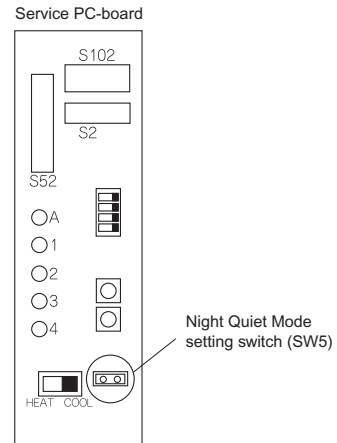
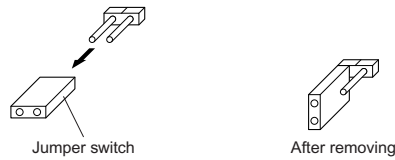
The Night Quiet Mode function reduces operating sound of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating sound on the neighbors. However, if Night Quiet Mode is running, cooling capacity will be saved.

#### Setting procedure

Remove the SW5 jumper switch.  
Once the settings are complete, reset the power.

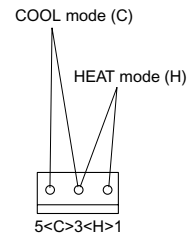
#### NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.



### COOL/HEAT Mode Lock <S15>

- Use the S15 connector to set the unit to only cool or heat.  
Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>  
Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>  
The following specifications apply to the connector housing and pins.  
JST products Housing: VHR-5N Pin: SVH-21T-1,1  
Note that forced operation is also possible in COOL/HEAT mode.



## Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas stop valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

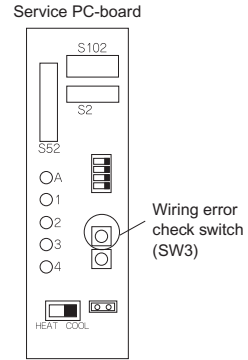
### Wiring error check

- This product is capable of automatic correction of wiring error.

Press the "wiring error check switch" on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See NOTE 2.). Approximately 10~15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

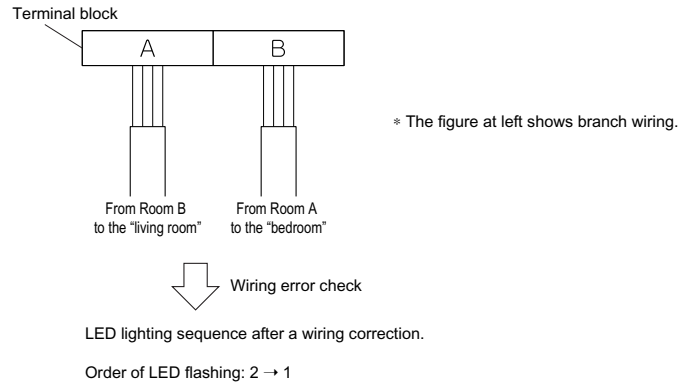
The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing One after another		OFF [NOTE.1]		Automatic correction completed
	☀ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [NOTE. 4]

### Wiring correct example



### NOTE

- (1) LED 3 and 4 are not displayed.
- (2) If the outside air temperature is **41°F or less**, the wiring error check function will not operate.
- (3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
- (4) Follow the product diagnosis procedures. (Check the nameplate on the stop valve cover.)

## Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.  
Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 14°F	Approx. 36°F

(When running in one room)

- During cooling operation, frost may form on the gas stop valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

**Items to check**

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the stop valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

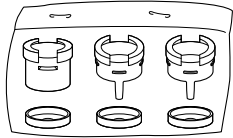
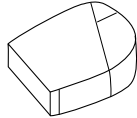
**ATTENTION**

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the stop valve cover.

## 4.2 3MXS24JVJU, 4MXS32GVJU

### Accessories

Accessories supplied with the outdoor unit:

(A) Installation manual	1	(B) Drain socket assy 	1	(C) Reducer assy 	1
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### Precautions for Selecting the Location

#### OUTDOOR UNIT

- 1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation sound will not be amplified.
- 2) Choose a location where the hot air discharged from the unit or the operation sound will not cause a nuisance to the neighbors of the user.
- 3) Avoid installing near bedrooms where operation sound might be a nuisance.
- 4) There must be sufficient spaces for carrying the unit into and out of the site.
- 5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
- 6) The site must be free from the possibility of flammable gas leakage in a nearby place.
- 7) Install units, power cords, and inter-unit cables at least 9.8 feet from television and radios to prevent interference. Noises may be heard even if more than 9.8 feet away, depending on radio wave conditions.
- 8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
- 9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

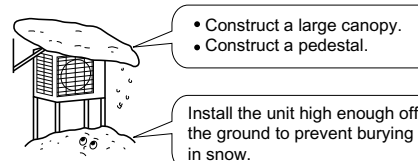
#### NOTE

Cannot be installed hanging from ceiling or stacked.

#### CAUTION

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

- 1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
- 2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
- 3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
- 4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

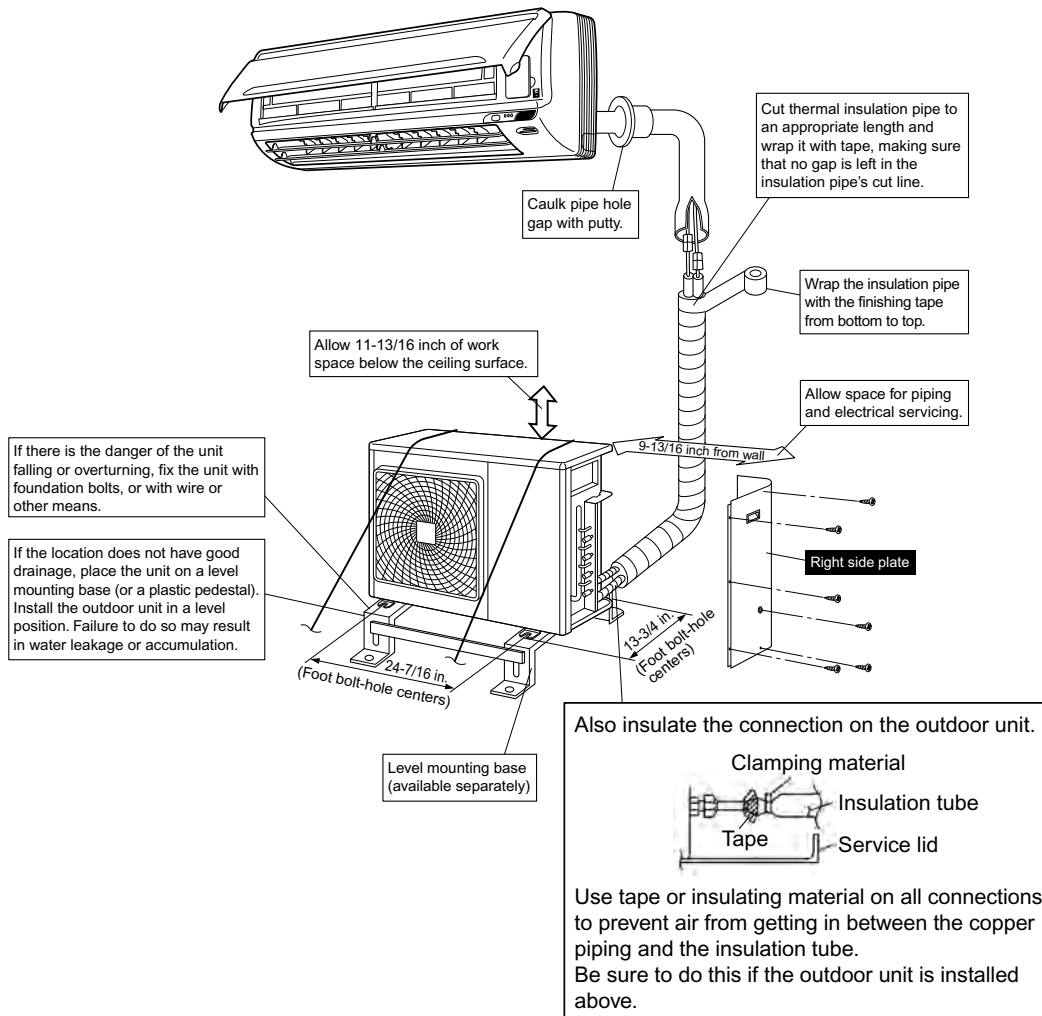


## Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.  
(The diagram shows a wall-mounted indoor unit.)

**⚠ CAUTION**

- 1) Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.  
Make sure no dirt or moisture gets into either side of the embedded branch piping.  
See "7 Refrigerant Piping Work" in "Refrigerant Piping Work (3)" for details.
- 2) It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**





## Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid surface if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber isolator (field supply).

## Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.

The total indoor unit class that can be connected to this unit:

3MXS24\* – Up to 39000 Btu

4MXS32\* – Up to 45000 Btu

The line set piping size is determined by the size of the indoor unit fittings.

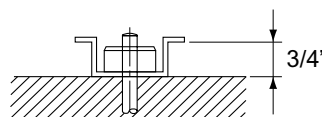
Reducers are used at the outdoor unit to accommodate the correct gas line pipe size.

Port	3MXS24*	4MXS32*	Reducer numbers
A	07, 09, 12	07, 09, 12	—
B	⓪7, ⓪9, ⓪12, 15, 18	⓪7, ⓪9, ⓪12, 15, 18	⓪ 07, 09 & 12 Use No. 2 & 4 reducers
C	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪ 07, 09 & 12 Use No. 5 & 6 reducers 15 & 18 Use No. 1 & 3 reducers
D	—	⓪7, ⓪9, ⓪12, ⓪15, ⓪18	⓪ 07, 09 & 12 Use No. 5 & 6 reducers 15 & 18 Use No. 1 & 3 reducers

Refer to "How to Use Reducers" for information on reducer numbers and their shapes.

## Precautions on Installation

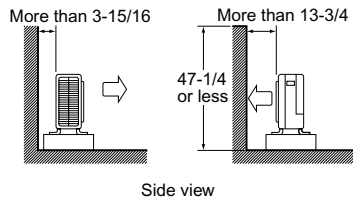
- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installation.
- In accordance with the foundation drawing fix the unit securely by means of the foundation bolts. (Prepare four sets of M12 foundation bolts, nuts and washers each which are available as field supply.)
- It is best to screw in the foundation bolts until their length is 3/4" from the foundation surface.



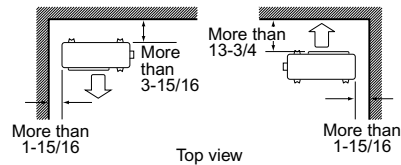
## Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 4ft or less.

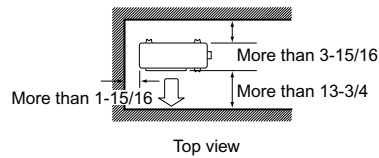
Wall facing one side



Walls facing two sides



Walls facing three sides

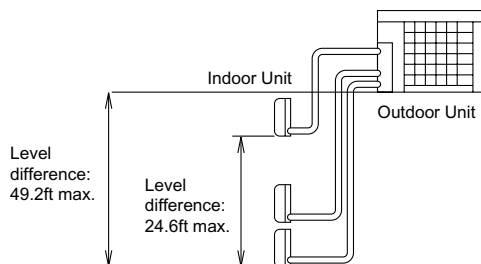


Unit: in.

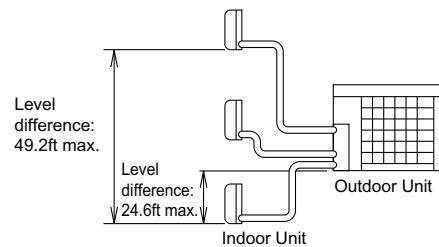
## Selecting a Location for Installation of the Indoor Units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 9.8ft.**)

Outdoor unit capacity class	3MXS24*, 4MXS32*
Piping to each indoor unit	82ft max.
Total length of piping between all units	230ft max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned lower than one or more of the indoor units.

## Refrigerant Piping Work (1)

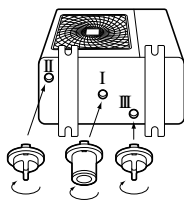
### 1 Installing Outdoor Unit

- When installing the outdoor unit, refer to "Precautions for Selecting the Location" and the "Indoor/Outdoor Unit Installation Drawings".
- If drain work is necessary, follow the procedures below.

### 2 Drain Work

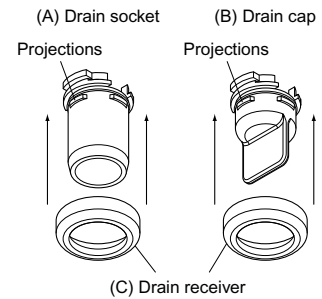
- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 3-15/16in in height under the outdoor unit's feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

1. Insert drain receiver (C) onto drain socket (A) and drain cap (B) beyond 4 projections around drain socket and drain cap.
2. Insert drain socket and drain caps into their matching drain hole ; Drain socket (A) into drain hole I and drain caps (B) into drain hole II and III. After insertion, turn them about 40° clockwise.



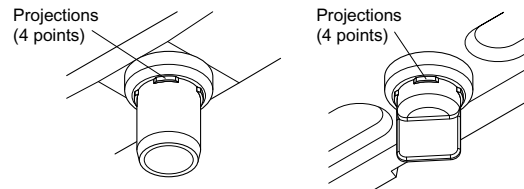
Be sure to insert sockets and caps into their proper drain holes to prevent water leakage.

(View from bottom)



#### NOTE

Check that the drain receiver (C) is correctly engaged with the projections of the drain socket (A) and drain cap (B). Otherwise, water leakage may result.



3. Connect vinyl hose on the market (internal diameter of 1 inch) to drain socket (A). (If the house is too long and hangs down, fix it carefully to prevent the kinks.)
4. Make sure that there is no water leakage from portion I, II, or III.

#### NOTE

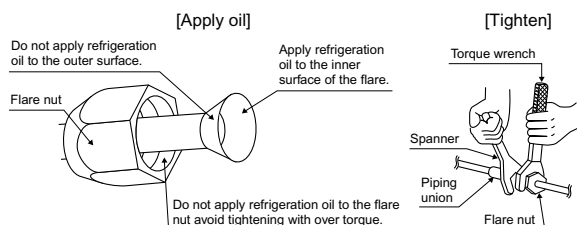
If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 3-15/16 inch under the leg of the outdoor unit.

### 3 Refrigerant Piping

#### ⚠ CAUTION

- 1) Use the flare nut fixed to the main unit to prevent cracking and age deterioration.
- 2) To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R410A.)
- 3) Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.

Align the centers of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.



Flare nut tightening torque		Valve cap tightening torque	
Flare nut for $\phi 1/4$	10.5-12.7 ft-lbf	Liquid pipe	19.5-23.8 ft-lbf
Flare nut for $\phi 3/8$	24.1-29.4 ft-lbf		
Flare nut for $\phi 1/2$	36.5-44.5 ft-lbf	Gas pipe	35.5-44.0 ft-lbf
Flare nut for $\phi 5/8$	45.6-55.6 ft-lbf		
Service port cap tightening torque		7.9-10.8 ft-lbf	

## Refrigerant Piping Work (2)

### 4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage.

**⚠ WARNING**

- 1) Do not mix any substance other than the specified refrigerant (R410A) into the refrigeration cycle.
- 2) When refrigerant gas leaks occur, ventilate the room as soon and as much as possible.
- 3) R410A, as well as other refrigerants, should always be recovered and never be released directly into the environment.
- 4) Use a vacuum pump for R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (3/16") to operate the stop valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

- 1) Connect projection side of charging hose (which comes from gauge manifold) to gas stop valve's service port.
- ⇩
- 2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)
- ⇩
- 3) Apply vacuum pumping. Check that the compound pressure gauge reads -29.9in Hg. Evacuation for **at least 1 hour** is recommended.
- ⇩
- 4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump. (Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back. If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2-4.)
- ⇩
- 5) Remove covers from liquid stop valve and gas stop valve.
- ⇩
- 6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve. Close it after 5 seconds, and check for gas leakage. Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods. After the check is complete, wipe all soapy water off.
- ⇩
- 7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves. (Do not attempt to turn valve rod beyond its stop.)
- ⇩
- 8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Refrigerant Piping Work (1)" for details.

### 5 Refilling The Refrigerant

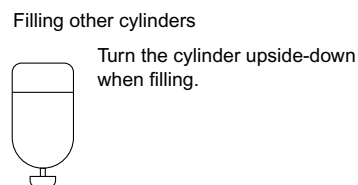
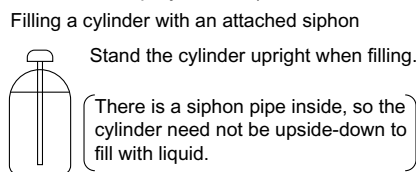
Check the type of refrigerant to be used on the machine nameplate.

**Precautions when adding R410A**

**Fill from the liquid pipe in liquid form.**

It is a mixed refrigerant, so adding it in gas form may cause the refrigerant composition to change, preventing normal operation.

- 1) Before filling, check whether the cylinder has a siphon attached or not. (It should have something like "liquid filling siphon attached" displayed on it.)



- 2) Be sure to use the R410A tools to ensure pressure and to prevent foreign objects entering.

## Refrigerant Piping Work (3)

### 6 Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **0.22oz** of refrigerant (R410A) for each additional feet of piping.

Outdoor unit capacity class	3MXS24*, 4MXS32*
Total length of piping for all rooms	131.2ft

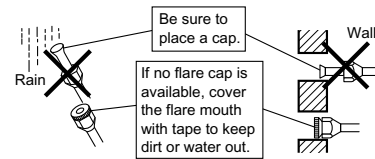
**CAUTION**

Even though the stop valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

### 7 Refrigerant Piping Work

#### Cautions on Pipe Handling

- 1) Protect the open end of the pipe against dust and moisture.
- 2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.

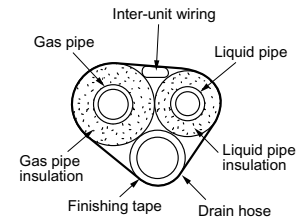


#### Selection of copper and heat insulation materials

When using commercial copper pipes and fittings, observe the following:

- 1) Insulation material: Polyethylene foam  
 Heat transfer rate: 0.041 to 0.052W/mK (0.024 to 0.030 Btu/ft<sup>2</sup>°F)  
 Refrigerant gas pipe's surface temperature reaches 230°F max.  
 Choose heat insulation materials that will withstand this temperature.
- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas pipe	O.D.: 3/8", 1/2" / Thickness:0.031" (C1220T-O) O.D.: 5/8" / Thickness:0.039" (C1220T-O)
Liquid pipe	O.D.: 1/4" / Thickness:0.031" (C1220T-O)
Gas pipe insulation	I.D.: 0.472-0.590" / Thickness:0.511" min. I.D.: 0.630-0.787" / Thickness:0.511" min.
Liquid pipe insulation	I.D.: 0.315-0.393" / Thickness:0.393" min.
Minimum bend radius	O.D.: 3/8", 1/4" / 1-3/16" or more O.D.: 1/2" / 1-9/16" or more O.D.: 5/8" / 1-15/16" or more



- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

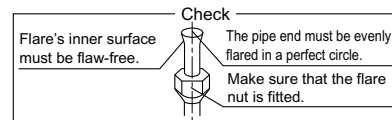
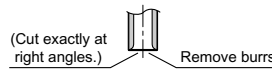
### 8 Flaring the Pipe End

- 1) Cut the pipe end with a pipe cutter.
- 2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
- 3) Put the flare nut on the pipe.
- 4) Flare the pipe.
- 5) Check that the flaring is properly made.

Flaring

Set exactly at the position shown below.

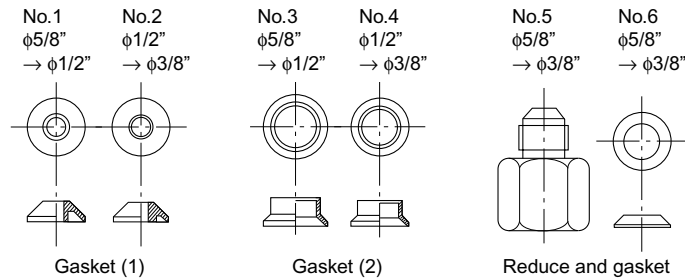
Flare tool for R410A	Conventional flare tool		
	Clutch-type	Clutch-type (Rigid-type)	Wing-nut type (Imperial-type)
A	0-0.020"	0.039-0.059"	0.059-0.079"



**WARNING**

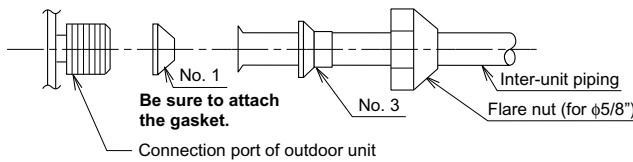
- 1) Do not use mineral oil on flared part.
- 2) Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- 3) Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- 4) Never install a drier to this R410A unit in order to guarantee its lifetime.
- 5) The drying material may dissolve and damage the system.
- 6) Incomplete flaring may cause refrigerant gas leakage.

## How to Use Reducers

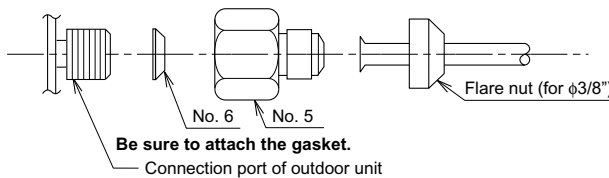


Use the reducers supplied with the unit as described below.

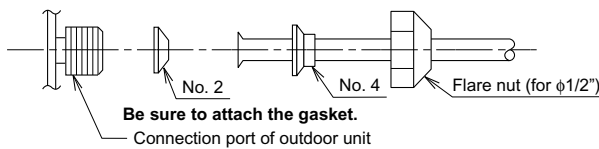
(1) Connecting a pipe of  $\phi 1/2''$  to a gas pipe connection port for  $\phi 5/8''$ :



(2) Connecting a pipe of  $\phi 3/8''$  to a gas pipe connection port for  $\phi 5/8''$ :



(3) Connecting a pipe of  $\phi 3/8''$  to a gas pipe connection port for  $\phi 1/2''$ :



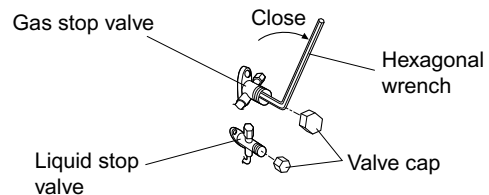
- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3-1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for $\phi 3/8''$	24.1-29.4 ft-lbf
Flare nut for $\phi 1/2''$	36.5-44.5 ft-lbf
Flare nut for $\phi 5/8''$	45.6-55.6 ft-lbf

## Pump Down Operation

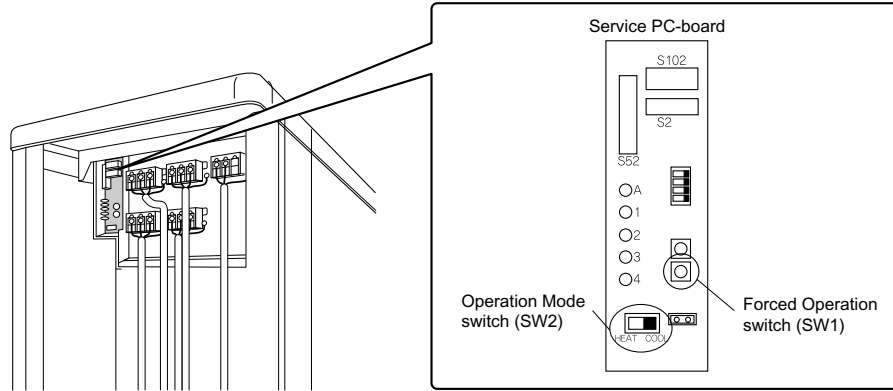
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

- 1) Remove the valve cap from liquid stop valve and gas stop valve.
- 2) Carry out forced cooling operation. See "Forced Operation."
- 3) After five to ten minutes, close the liquid stop valve with a hexagonal wrench.
- 4) After two to three minutes, close the gas stop valve and stop forced cooling operation.



## Forced Operation

- 1) Turn the Operation Mode switch (SW2) to "COOL."
- 2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.
  - Forced operation also stops automatically after 15 minutes from when operation starts.



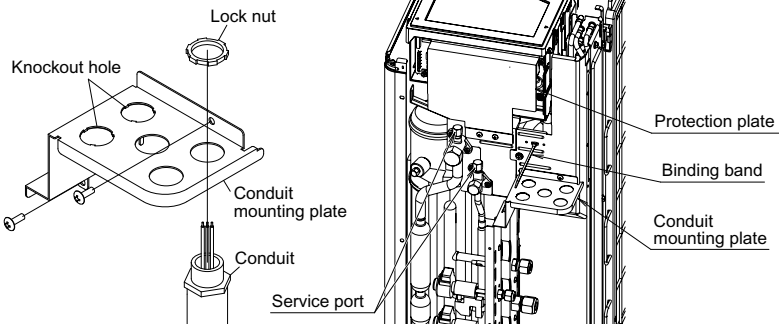
## Wiring (1)

### ⚠ WARNING

- 1) Do not use spliced wires, stranded wires (**CAUTION (1)**), extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire. Follow all local, and state electrical codes.
- 2) Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- 3) Be sure to install a ground leak detector. (One that can handle higher harmonics.)  
(This unit uses an inverter, which means that it must be used a ground leak detector capable handling harmonics in order to prevent malfunctioning of the ground leak detector itself.)
- 4) Use an all-pole disconnection type breaker with at least 1/8" between the contact point gaps.
- 5) When carrying out wiring connection, take care not to pull at the conduit.
- 6) Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

#### <Method of Mounting Conduit>

- 1) Pass wires through the conduit and secure them with a lock nut.
- 2) When connecting indoor units for three rooms or more, open knockout holes without deforming the conduit mounting plate.  
By removing the two screws to remove the conduit mounting plate, you can work without the plate.  
After completing the work, reattach the conduit mounting plate to its original position.

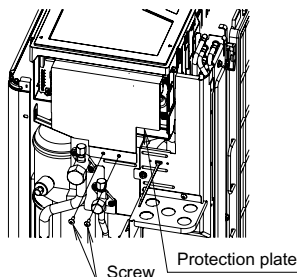


#### <Work before wiring>

A protection plate is fixed for protection from the high-voltage section.

Before starting wiring work, remove the two screws and the protection plate.

After completing wiring, fix the protection plate to its original position.



### ⚠ WARNING

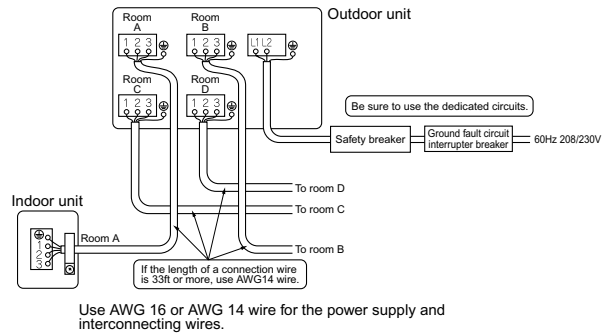
- 1) When the protection plate is removed, do not turn ON the safety breaker.
- 2) When the service port is operated, the protection plate must be fixed.

## Wiring (2)

- Do not turn ON the safety breaker until all work is completed.

<Wiring procedure>

- 1) Strip the insulation from the wire (3/4").
- 2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.
- 3) **Be sure to match the symbols for wiring and piping.**
- 4) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with the binding band.



### ⚠ CAUTION (1)

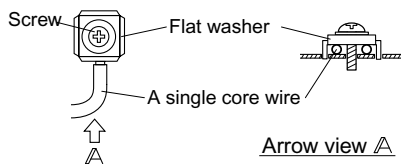
In case using stranded wires is unavoidable, make sure to install the round crimp-style terminals on the tip.

Place the round crimp-style terminals on the wires up to the covered part and secure in place.

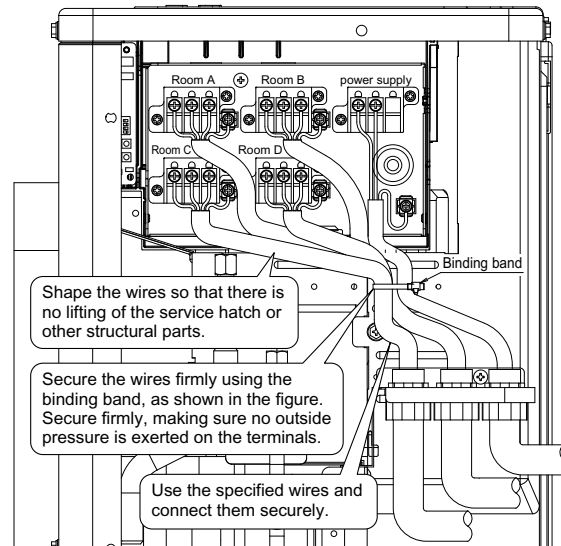
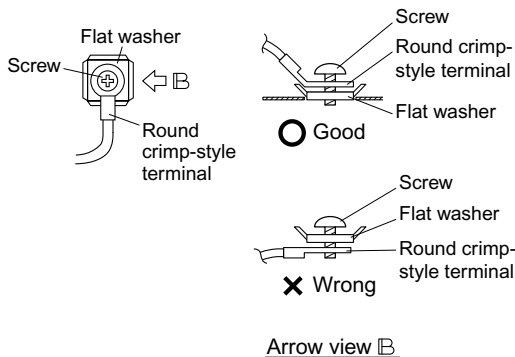


<Ground terminal installation>

- 1) Use the following method when installing a single core wire.

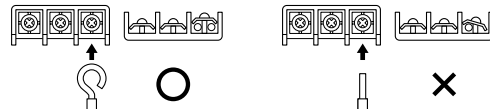


- 2) Use the following method when installing the round crimp-style terminal.



### ⚠ CAUTION (2)

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.



### Ground

This air conditioner must be grounded. For grounding, follow all local, and state electrical codes.



## Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting. Setting it in the guest and living rooms is convenient.

### About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

#### 1) Operation mode priority

The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

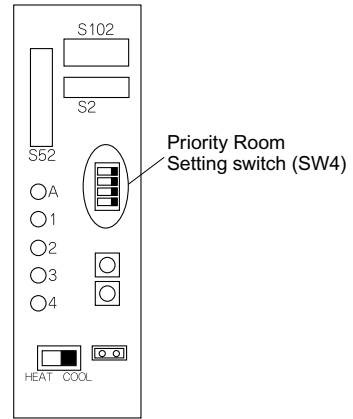
#### 2) Priority during powerful operation

If the indoor unit which is set for Priority Room Setting is operating at powerful, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

#### 3) Quiet operation priority

Setting the indoor unit to quiet operation will make the outdoor unit run quietly.

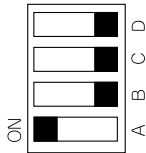
Service PC-board



### Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set. (In the figure below, it is room A.)  
Once the settings are complete, reset the power.

**Be sure to only set one room**



## Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.  
Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

### About Night Quiet Mode

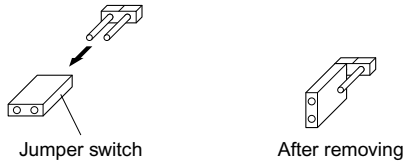
The Night Quiet Mode function reduces operating sound of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating sound on the neighbors. However, if Night Quiet Mode is running, cooling capacity will be saved.

### Setting procedure

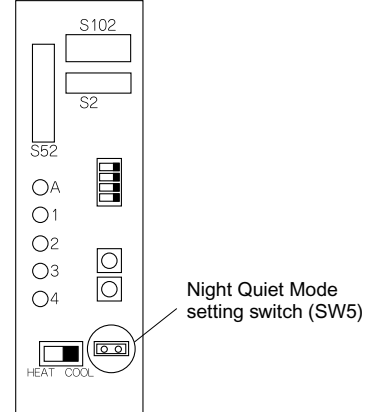
Remove the SW5 jumper switch.  
Once the settings are complete, reset the power.

#### NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.

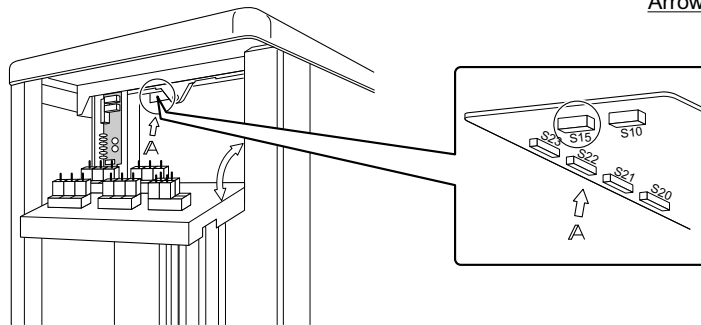
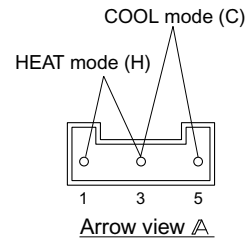


Service PC-board



## COOL/ HEAT mode lock <S15>

- Use the S15 connector to set the unit to only cool or heat.  
Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>  
Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>  
The following specifications apply to the connector housing and pins.  
JST products Housing: VHR-5N Pin: SVH-21T-1,1  
Note that forced operation is also possible in COOL/HEAT mode.



## Test Run and Final Check (1)

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas stop valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

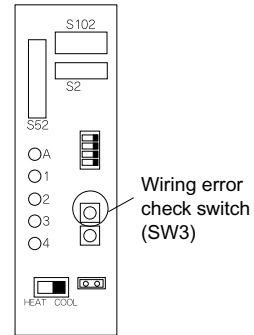
### Wiring Error Check

- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service PC-board. However, the wiring error check switch will not function for 3 minutes after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). Approximately 15-20 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service manual.

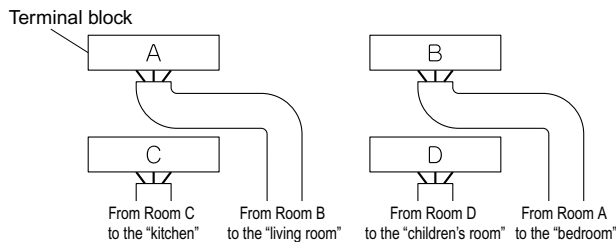
Service PC-board



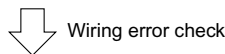
If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.

LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing		One after another		Automatic correction completed
	☀ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [Note. 4]

### Wiring correct example



\* The figure at left shows branch wiring.



LED lighting sequence after a wiring correction.

Order of LED flashing: 2 → 1 → 3 → 4

### NOTE

- 1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
- 2) If the outside air temperature is **41°F or less**, the wiring error check function will not operate.
- 3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
- 4) Follow the product diagnosis procedures. (Details of product error diagnosis are listed on the back of the **right side plate**.)

## Test Run and Final Check (2)

### Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.  
Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 14°F	Approx. 36°F

(When running in one room)

- During cooling operation, frost may form on the gas stop valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

### Items to Check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the stop valves open?	No cooling, no heating	
Do the marks match (room A, room B, room C, room D) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

#### ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the stop valve cover.

C: 3P207257-3D



# Part 3





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# 1. Read Before Using Safety Considerations

Read these **SAFETY CONSIDERATIONS for Operations** carefully before operating an air conditioner or heat pump. Make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this Operation Manual with the Installation Manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.
- Any abnormalities in the operation of the air conditioner or heat pump, such as smoke or fire, could result in severe injury or death. Turn off the power and contact your dealer immediately.
- Refrigerant gas may produce toxic gas if it comes into contact with fire, such as from a fan, heater, stove, or cooking device. Exposure to this gas could result in severe injury or death.
- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner or heat pump, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may result in stabs or other injuries.
- Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.
- Contact your dealer for repair and maintenance. Improper repair and maintenance may result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.
- Contact your dealer to move and reinstall the air conditioner or heat pump. Incomplete installation may result in water leakage, electric shock, and fire.
- Never let the indoor unit or the remote controller get wet. Water can result in an electric shock or a fire.
- Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray may result in a fire.
- When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.
- Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous.
- Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.
- Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.
- Do not touch the switch with wet fingers. Touching a switch with wet fingers may result in electric shock.
- Do not allow children to play on or around the unit to prevent injury.

- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will result in injury.
- Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and result in injury.
- Placing a flower vase or other containers with water or other liquids on the unit could result in a shock or fire if a spill occurs.
- Do not touch the air outlet or horizontal blades while the swing flap is in operation can result in fingers getting caught and injured.
- Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.
- Do not use the air conditioner or heat pump for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as they may be damaged by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury may result.
- Do not wash the air conditioner or heat pump with excessive water. An electric shock or fire may result.
- Avoid placing the controller in a spot splashed with water. Water entering the controller may result in an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner or heat pump when using a room-fumigation type of insecticide. Failure to observe this could result in the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power. Otherwise, water leakage may occur.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.
- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner or heat pump could make the plastics parts break and result in water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner or heat pump as they can cut and result in injury.
- Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, animals can result in the unit malfunctioning , with a result of smoke or fire when they make contact with electrical parts.
- Never press the button of the remote controller with a hard, pointed object. The remote controller may be damaged.
- Never pull or twist the electric wire of the remote controller. It may result in the unit malfunctioning.
- Do not place appliances that produce open flames in places that are exposed to the air flow of the unit or under the indoor unit. It may result in incomplete combustion or deformation of the unit due to the heat.

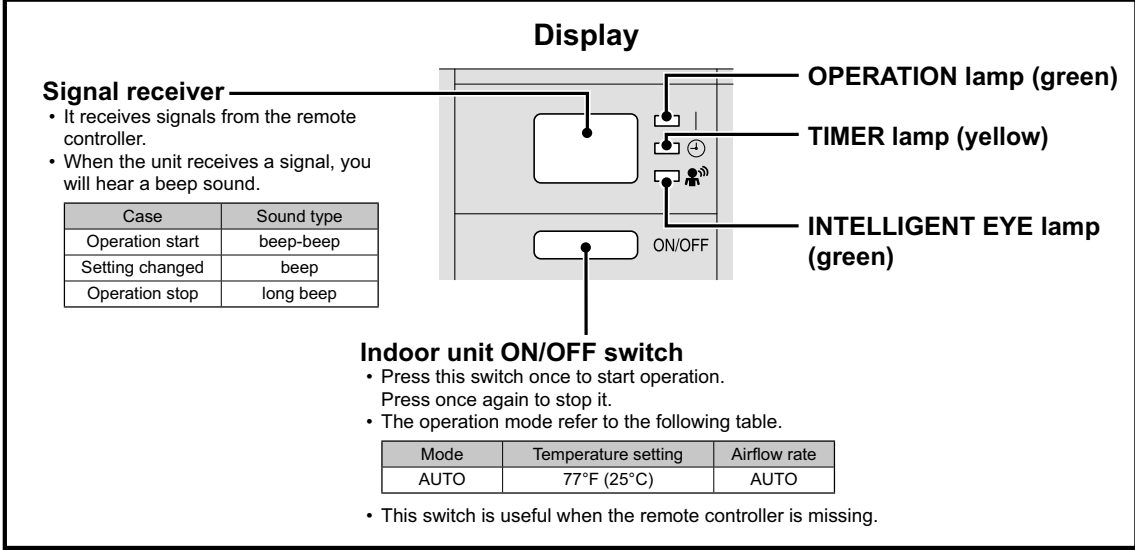
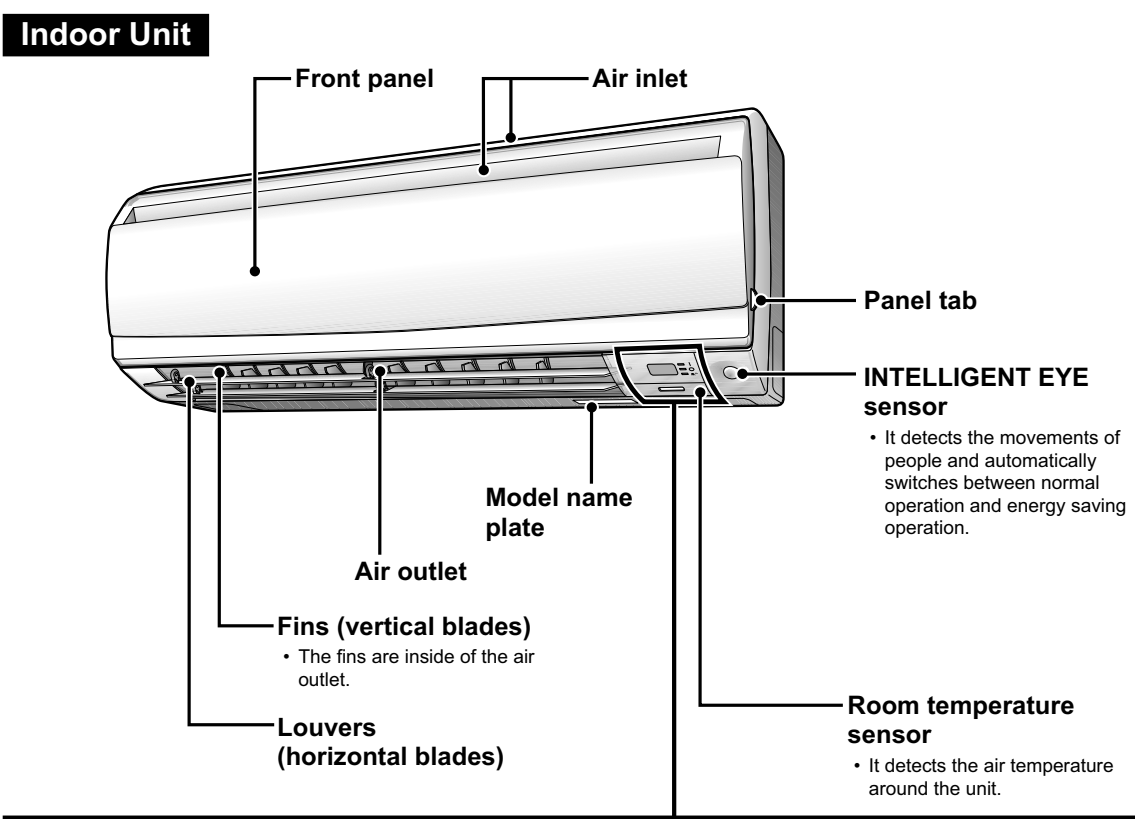


- Do not expose the controller to direct sunlight. The LCD display can become discolored and may fail to display the data.
- Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The panel may get discolored or the coating can peel off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
- Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state, and national regulations.
- Operate the air conditioner or heat pump in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner or heat pump in the following places.
  - a. Places with a mist of mineral oil, such as cutting oil.
  - b. Locations such as coastal areas where there is a lot of salt in the air.
  - c. Locations such as hot springs where there is a lot of sulfur in the air.
  - d. Locations such as factories where the power voltage varies a lot.
  - e. In cars, boats, and other vehicles.
  - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
  - g. Locations where equipment produces electromagnetic waves.
  - h. Places with an acid or alkaline mist.
  - i. Places where fallen leaves can accumulate or where weeds can grow.
- Take snow protection measures. Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.
- Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.
- Pay Attention to Operating Sound. Be sure to use the following places:
  - a. Places that can sufficiently withstand the weight of the air conditioner or heat pump yet can suppress the operating sound and vibration.
  - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
- Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit.
- Consult your dealer if the air conditioner or heat pump in operation generates unusual noise.
- Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner or heat pump is in the cooling mode, the drainpipe may be clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner or heat pump and contact your dealer.

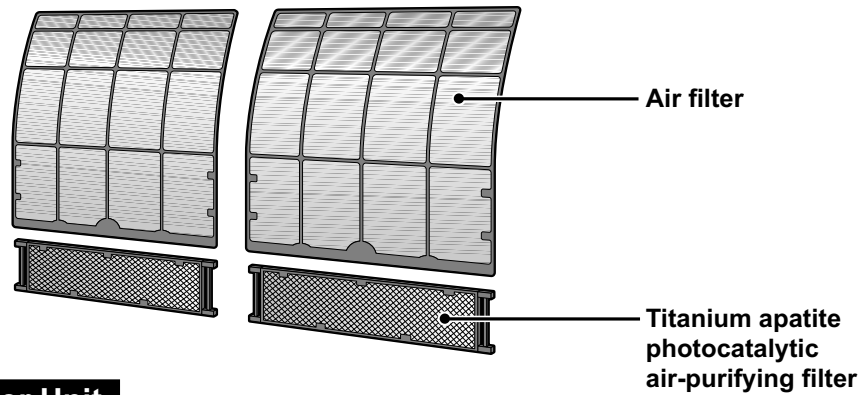
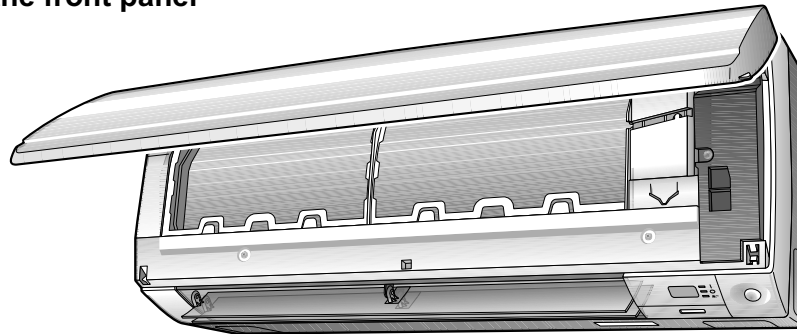
## 2. CTXS07HVJU, FTXS-LV Series

### 2.1 Names of Parts

# Names of Parts

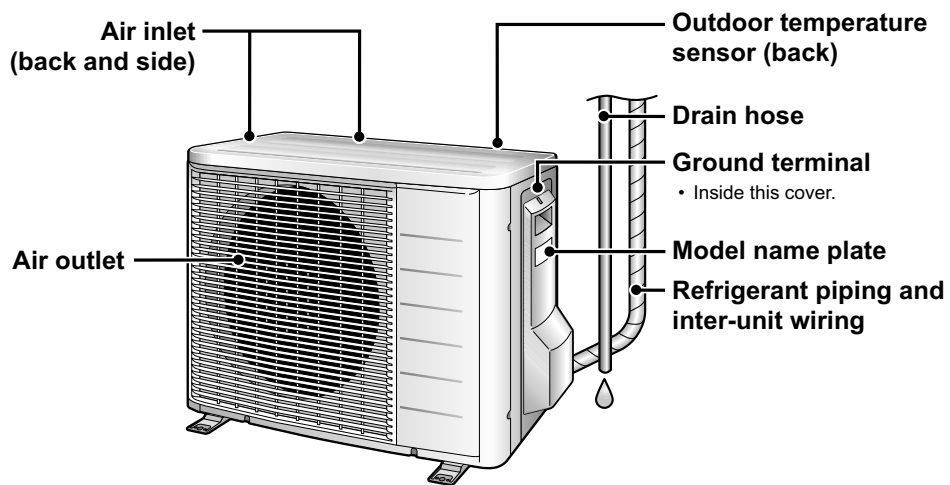


■ Open the front panel



**Outdoor Unit**

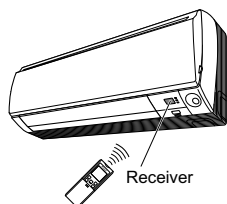
• Appearance of the outdoor unit may differ from some models.



# Names of Parts

## Remote Controller

### Signal transmitter



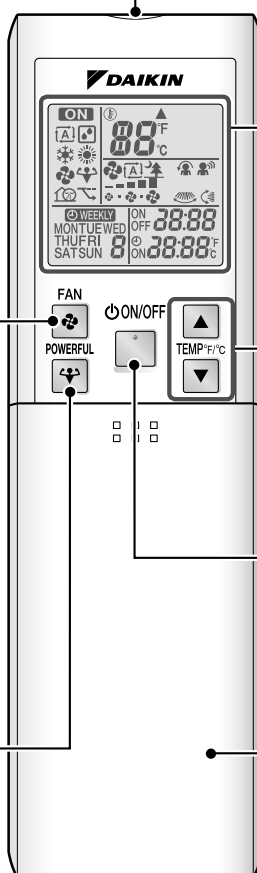
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approximately 23ft (7m).

### FAN setting button

- Selects the airflow rate setting. ▶ Page 14

### POWERFUL button

- POWERFUL operation. ▶ Page 17



### Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with all its displays on for the purpose of explanation.)

### TEMPERATURE adjustment buttons

- Changes the temperature setting. ▶ Page 12

### ON/OFF button

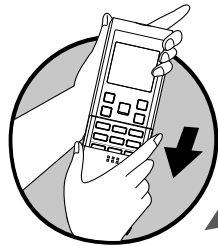
- Press this button once to start operation. Press once again to stop it. ▶ Page 11

### Front cover

- Open the front cover. ▶ Page 8

<ARC452A21>

■ Open the front cover



**MODE selector button**

• Selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN) ▶Page 11

**ECONO button**

• ECONO operation. ▶Page 19

**SWING button**

• Adjusting the airflow direction. ▶Page 13

**COMFORT/SENSOR button**

• COMFORT AIRFLOW and INTELLIGENT EYE operation. ▶Page 15,16

**QUIET button**

• OUTDOOR UNIT QUIET operation. ▶Page 18

**OFF TIMER button**

▶Page 20

**TIMER CANCEL button**

• Cancels the timer setting. ▶Page 20,21  
• It cannot be used for the WEEKLY TIMER operation.

**SELECT button**

• Changes the ON/OFF TIMER and WEEKLY TIMER settings. ▶Page 20,21,22

WEEKLY : WEEKLY button  
◀▶ : PROGRAM button  
COPY : COPY button  
BACK : BACK button  
NEXT : NEXT button

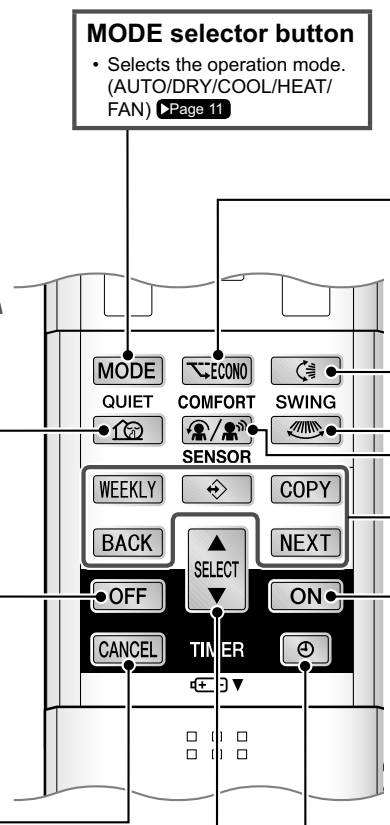
• WEEKLY TIMER operation. ▶Page 22

**ON TIMER button**

▶Page 21

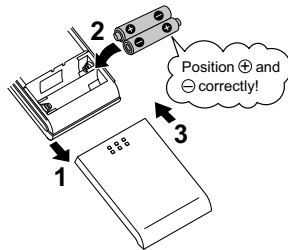
**CLOCK button**

▶Page 10



## 2.2 Preparation before Operation

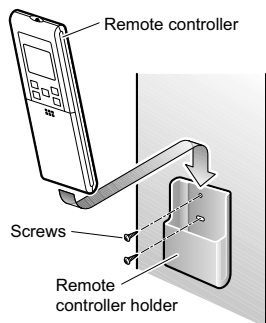
# Preparation before Operation



### ■ To set the batteries

1. Slide the front cover to take it off.
2. Set two dry batteries AAA.LR03 (alkaline).
3. Set the front cover as before.

### ■ To fix the remote controller holder on the wall



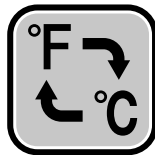
1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.

### ■ Celsius/Fahrenheit display switch

- The Celsius or Fahrenheit display is selectable with the following buttons.

Press  and  simultaneously for 5 seconds.

- The temperature will be displayed in Fahrenheit if it is presently displayed in Celsius, and vice versa.



## NOTE

### ■ Notes on batteries

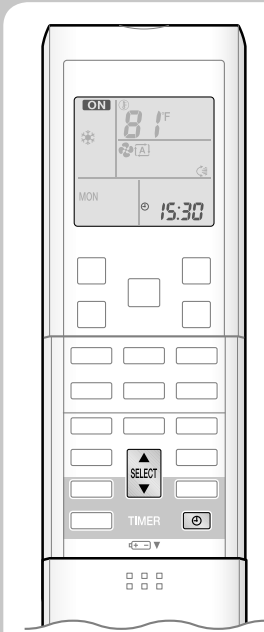
- When replacing the batteries, use batteries of the same type, and replace both batteries at the same time.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approximately 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.  
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

### ■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with a soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance somewhere else, or consult the service shop.

### ■ Celsius/Fahrenheit display change function of remote controller

- The set temperature may increase when the display is changed to Celsius from Fahrenheit, because a fraction of 0.5°C is rounded up.
- Example: A set temperature of 65°F (equivalent to 18.5°C) will be converted into 19°C.  
When the display is changed to Fahrenheit again, the set temperature will be converted into 66°F (equivalent to 19°C) instead of the original set temperature (65°F) but a set temperature of 66°F (equivalent to 19°C) will be converted into 19°C with no temperature change.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Celsius/Fahrenheit display change function.



**■ Turn the breaker on**

- After the power is turned on, the louvers of the indoor unit open and close once to set the reference position.

**■ To set the clock**

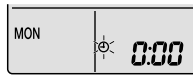
**1. Press** .



"0:00" is displayed.  
"MON" and "⌚" blink.

**2. Press**  **to set the current day of the week.**

**3. Press** .



"⌚" blinks.

**4. Press**  **to set the clock to the present time.**

- Holding down ▲ or ▼ rapidly increases or decreases the time display.

**5. Press** .

- Point the remote controller at the indoor unit when pressing the buttons.

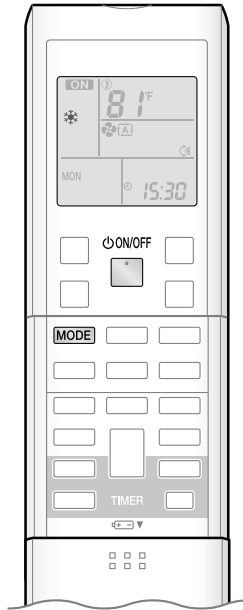


"." blinks.

## 2.3 AUTO · DRY · COOL · HEAT · FAN Operation



# AUTO · DRY · COOL · HEAT · FAN Operation

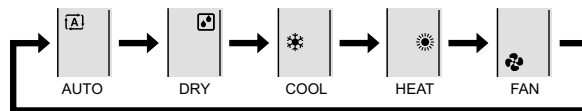


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

### To start operation

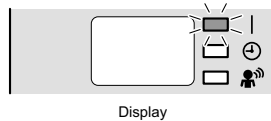
#### 1. Press **MODE** and select an operation mode.

- Each pressing of the button advances the mode setting in sequence.



#### 2. Press .

- “**ON**” is displayed on the LCD.
- The OPERATION lamp lights green.



### To stop operation

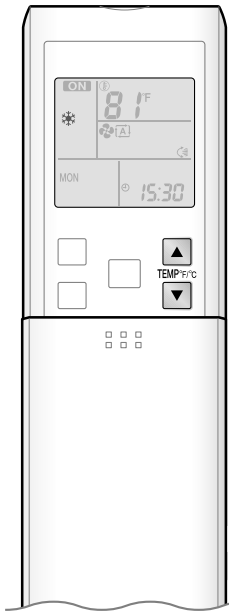
#### Press again.

- “**ON**” is no longer displayed on the LCD.
- The OPERATION lamp goes off.



### NOTE

MODE	Notes on each operation mode
HEAT	<ul style="list-style-type: none"> <li>• Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.</li> <li>• The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.</li> <li>• In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.</li> <li>• During defrosting operation, hot air does not flow out of indoor unit.</li> </ul>
COOL	<ul style="list-style-type: none"> <li>• This air conditioner cools the room by releasing the heat in the room outside. Therefore, the cooling performance of the air conditioner may be degraded if the outdoor temperature is high.</li> </ul>
DRY	<ul style="list-style-type: none"> <li>• The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.</li> </ul>
AUTO	<ul style="list-style-type: none"> <li>• In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room and outside temperatures and starts the operation.</li> <li>• The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.</li> </ul>
FAN	<ul style="list-style-type: none"> <li>• This mode is valid for fan only.</li> </ul>





### ■ To change the temperature setting

Press  or  .

TEMP°F/°C

- The displayed items on the LCD will change whenever either one of the buttons is pressed.

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
64-90°F (18-32°C)	50-86°F (10-30°C)	64-86°F (18-30°C)	The temperature setting is not variable.
Press ▲ to raise the temperature and press ▼ to lower the temperature.			

---

### ■ Operating conditions

- Recommended temperature setting
  - For cooling: 78-82°F (26-28°C)
  - For heating: 68-75°F (20-24°C)
- Tips for saving energy
  - Be careful not to cool (heat) the room too much.  
Keeping the temperature setting at a moderate level helps save energy.
  - Cover windows with a blind or a curtain.  
Blocking sunlight and air from outdoors increases the cooling (heating) effect.
  - Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. ▶Page 32
- Notes on the operating conditions
  - The air conditioner always consumes a small amount of electricity even while it is not operating.
  - If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker off.
  - Use the air conditioner in the following conditions.

MODE	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature : 50-115°F (10-46°C) Indoor temperature : 64-90°F (18-32°C) Indoor humidity : 80% max.	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.)</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>
HEAT	Outdoor temperature : 5-75°F (-15-24°C) Indoor temperature : 50-86°F (10-30°C)	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> </ul>
DRY	Outdoor temperature : 50-115°F (10-46°C) Indoor temperature : 64-90°F (18-32°C) Indoor humidity : 80% max.	<ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>

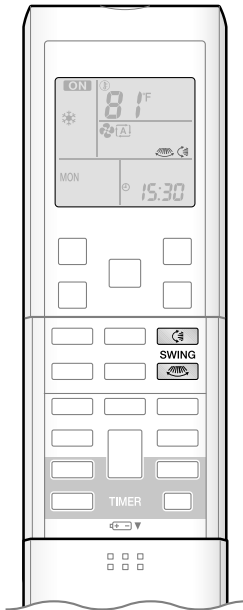
  - Operation outside this humidity or temperature range may cause a safety device to disable the system.

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## 2.4 Adjusting the Airflow Direction and Rate



# Adjusting the Airflow Direction and Rate




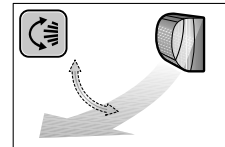
You can adjust the airflow direction to increase your comfort.

### ■ To start auto swing

#### Upper and lower airflow direction


Press .

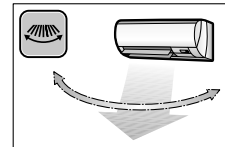
- “” is displayed on the LCD.
- The louvers (horizontal blades) will begin to swing.



#### Right and left airflow direction





Press .

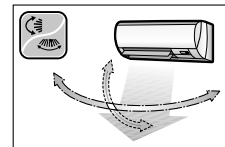
- “” is displayed on the LCD.
- The fins (vertical blades) will begin to swing.



#### The 3-D airflow direction

Press  and .



- “” and “” are displayed on the LCD.
- The louvers and fins move in turn.
- To cancel 3-D airflow, press either  or  again. The louvers or fins will stop moving.



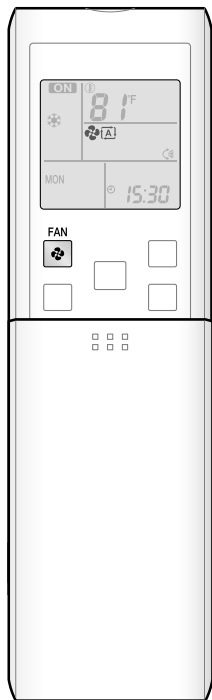
### ■ To set the louvers or fins at desired position

- This function is effective while louvers or fins are in auto swing mode.

Press  and  when the louvers or fins have reached the desired position.


- In the 3-D airflow, the louvers and fins move in turn.
- “” or “” is no longer displayed on the LCD.

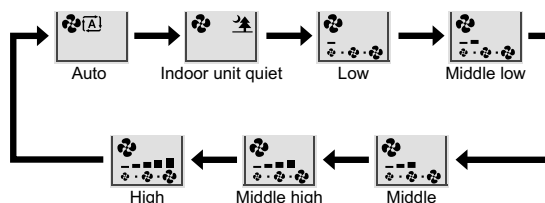
CTXS07LVJU, FTXS09/12LVJU




**To adjust the airflow rate setting**

Press .

- Each pressing of  advances the airflow rate setting in sequence.

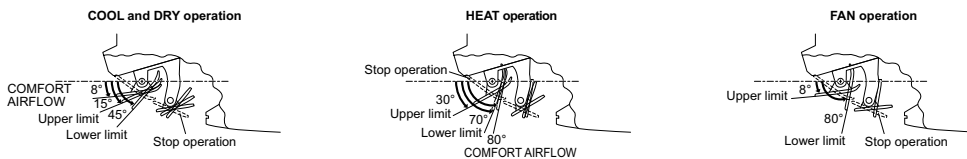


- When the airflow is set to “”, indoor unit quiet operation will start and the sound from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

**NOTE**

**Notes on the angles of the louvers**

- The louvers swinging range depends on the operation. (See the figure.)



**Note on 3-D airflow**

- Using 3-D airflow circulates cold air, which tends to collect at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

**Note on airflow rate setting**

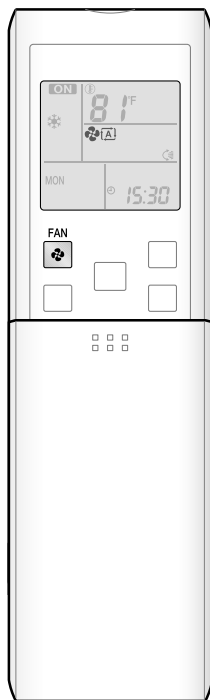
- At smaller airflow rates, the cooling (heating) effect is also smaller.

**CAUTION**

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move the louvers and fins forcibly with hand when they are swinging, the mechanism may be broken.
- Always use a remote controller to adjust the fins angles. Inside the air outlet, a fan is rotating at a high speed.


## FTXS15/18LVJU

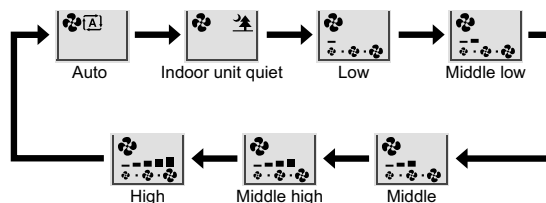
3




### ■ To adjust the airflow rate setting

Press .

- Each pressing of  advances the airflow rate setting in sequence.

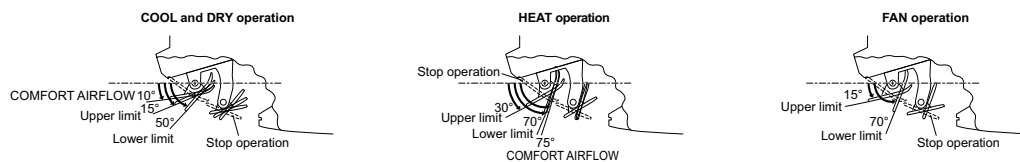


- When the airflow is set to “”, indoor unit quiet operation will start and the sound from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

## NOTE

### ■ Notes on the angles of the louvers

- The louvers swinging range depends on the operation. (See the figure.)



### ■ Note on 3-D airflow

- Using 3-D airflow circulates cold air, which tends to be collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

### ■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

## ⚠ CAUTION

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move the louvers and fins forcibly with hand when they are swinging, the mechanism may be broken.
- Always use a remote controller to adjust the fins angles. Inside the air outlet, a fan is rotating at a high speed.

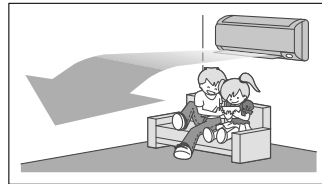
## 2.5 COMFORT AIRFLOW / INTELLIGENT EYE Operation



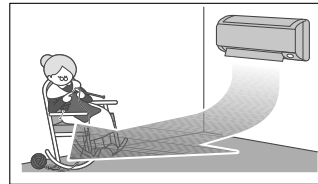
# COMFORT AIRFLOW / INTELLIGENT EYE Operation

### COMFORT AIRFLOW operation

The flow of air will be in the upward direction while in COOL operation and in the downward direction while in HEAT operation, providing comfortable cool or warm air that does not come in direct contact with people.



COOL operation



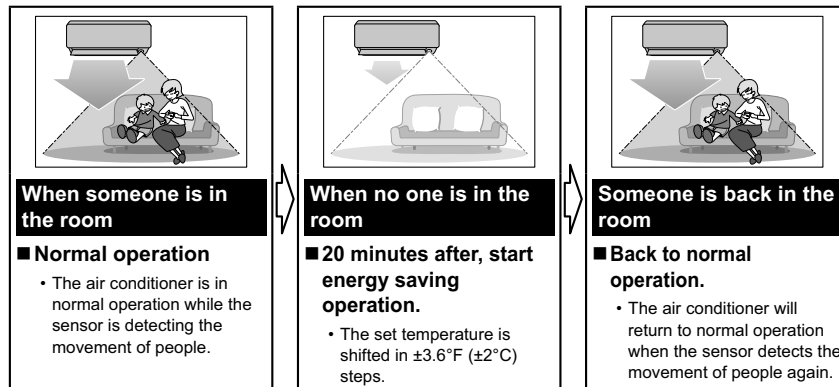
HEAT operation

### INTELLIGENT EYE operation

“INTELLIGENT EYE” is the infrared sensor which detects the human movement.

If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

#### [Example]



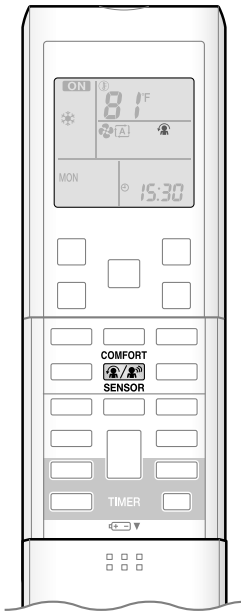
### INTELLIGENT EYE operation is useful for energy saving

#### Energy saving operation

- If no presence detected in the room for 20 minutes, the energy saving operation will start.
- This operation changes the temperature  $-3.6^{\circ}\text{F}$  ( $-2^{\circ}\text{C}$ ) in HEAT /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in COOL /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in DRY operation from set temperature. When the room temperature exceeds  $86^{\circ}\text{F}$  ( $30^{\circ}\text{C}$ ), the operation changes the temperature  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in COOL /  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in DRY operation from set temperature.
- This operation decreases the airflow rate slightly in FAN mode only.


### Combination COMFORT AIRFLOW and INTELLIGENT EYE operation

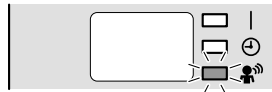
The air conditioner can go into operation with the COMFORT AIRFLOW and INTELLIGENT EYE functions combined.




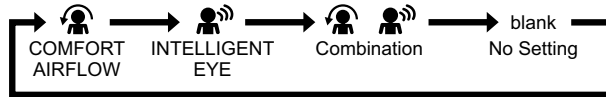
**■ To start operation**

Press  and select the desired mode.

- Each time the  is pressed a different setting option is displayed on the LCD.
- The INTELLIGENT EYE lamp lights green.



- By selecting “” from the following icons, the air conditioner will be in COMFORT AIRFLOW operation combined with INTELLIGENT EYE operation.



- When the louvers (horizontal blades) are swinging, the operating as above will stop movement of them.
- The lamp will be lit while human movements are detected.

**■ To cancel operation**

Press  and select “blank” on the LCD.

- The INTELLIGENT EYE lamp goes off.

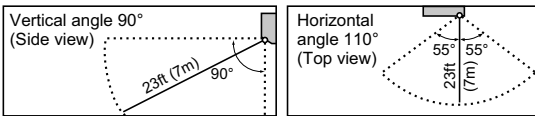
**NOTE**


**■ Notes on COMFORT AIRFLOW operation**

- The louver position will change, preventing air from blowing directly on the occupants of the room.
- POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW function will be canceled.

**■ Notes on INTELLIGENT EYE operation**

- Application range is as follows.



- Sensor may not detect moving objects further than 23ft (7m) away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during POWERFUL operation.
- NIGHT SET mode  Page 20 will not go on during use of INTELLIGENT EYE operation.

**■ Notes on combination of COMFORT AIRFLOW operation and INTELLIGENT EYE operation**

- The airflow rate will be set to AUTO. If the upper and lower airflow direction is selected, the COMFORT AIRFLOW operation will be canceled. Priority is given to the function of whichever button is pressed last.

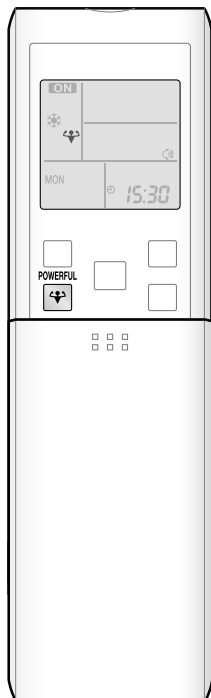
**⚠ CAUTION**

- Do not place large objects near the sensor.
- Keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or forcefully push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

## 2.6 POWERFUL Operation




# POWERFUL Operation



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.


### ■ To start POWERFUL operation

Press  during operation.

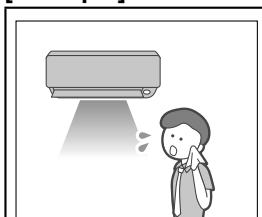
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- “” is displayed on the LCD.

### ■ To cancel POWERFUL operation

Press  again.

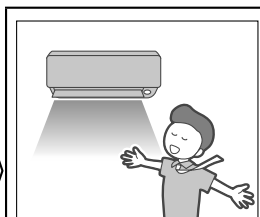
- “” is no longer displayed on the LCD.

### [Example]



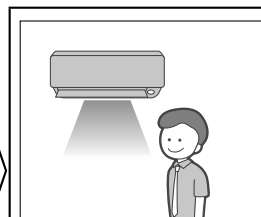
#### ■ Normal operation

- When you want to get the cooling effect quickly, start the POWERFUL operation.



#### ■ POWERFUL operation



- POWERFUL operation will work for 20 minutes.



#### ■ Back to normal operation

## NOTE

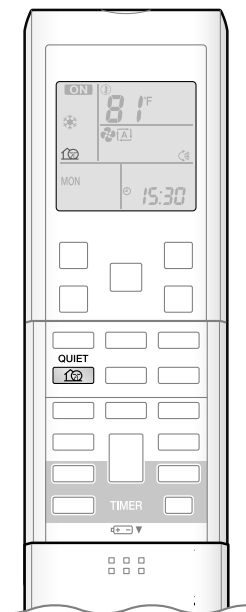
### ■ Notes on POWERFUL operation

- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO, COMFORT AIRFLOW or OUTDOOR UNIT QUIET operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing  causes the settings to be canceled, and “” is no longer displayed on the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL, HEAT and AUTO operation**  
To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY operation**  
The temperature setting is lowered by 4.5°F (2.5°C) and the airflow rate is slightly increased.
- **In FAN operation**  
The airflow rate is fixed to the maximum setting.

## 2.7 OUTDOOR UNIT QUIET Operation



# OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the sound level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during the night.


### ■ To start OUTDOOR UNIT QUIET operation

Press .

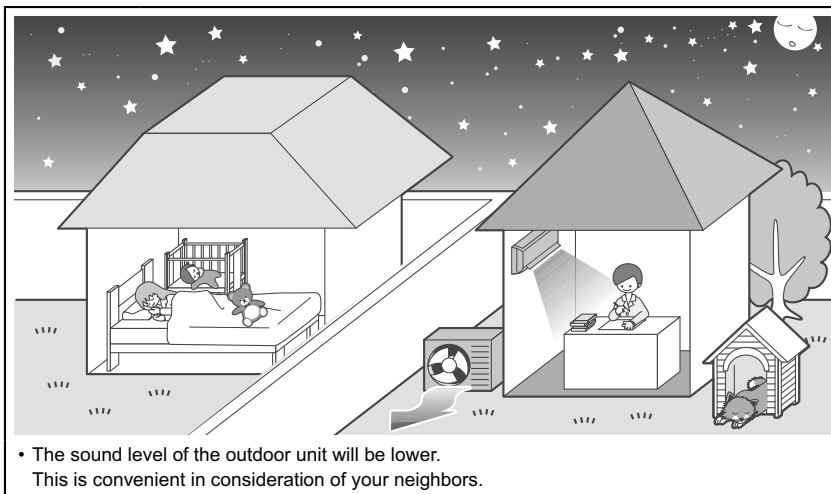
- “” is displayed on the LCD.

### ■ To cancel OUTDOOR UNIT QUIET operation

Press  again.

- “” is no longer displayed on the LCD.


**[Example]** Using the OUTDOOR UNIT QUIET operation during the night.



- The sound level of the outdoor unit will be lower.  
This is convenient in consideration of your neighbors.

## NOTE

### ■ Notes on OUTDOOR UNIT QUIET operation

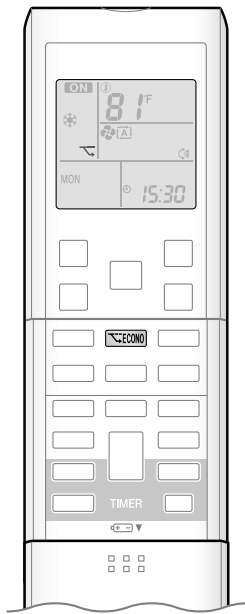
- If using a multi system, the OUTDOOR UNIT QUIET operation will work only when this function is set on all operated indoor units. However, if using priority room setting, refer to “Note for multi system”. [▶Page 28](#)
- This function is available in COOL, HEAT, and AUTO operation.  
This is not available in FAN and DRY operation.
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.  
Priority is given to the function of whichever button is pressed last.
- Even the operation is stopped using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.



## 2.8 ECONO Operation



# ECONO Operation



ECONO operation is a function which enables efficient operation by limiting the maximum power consumption value. This function is useful for cases in which attention should be paid to ensure a circuit breaker will not trip when the product runs alongside other appliances.

### ■ To start ECONO operation

Press during operation.

- "ECONO" is displayed on the LCD.

### ■ To cancel ECONO operation

Press again.

- "ECONO" is no longer displayed on the LCD.

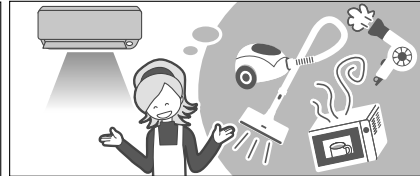
#### [Example]

##### Normal operation



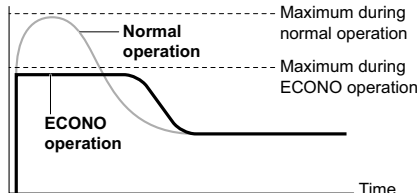
- In case the air conditioner and other appliances which require high power consumption are used at same time, a circuit breaker may trip if the air conditioner operate with its maximum capacity.

##### ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker is unlikely to trip even if the air conditioner and other appliances are used at same time.

Running current and power consumption



From start up until set temperature is reached

- This diagram is a representation for illustrative purposes only. The maximum running current and power consumption of the air conditioner in ECONO operation vary with the connecting outdoor unit.

### NOTE

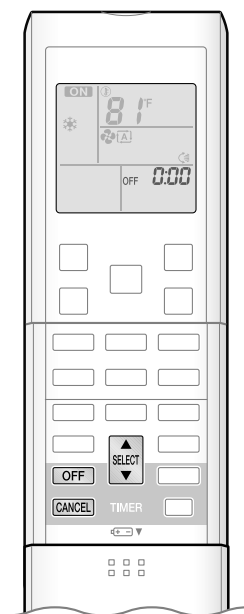
#### ■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing causes the settings to be canceled, and "ECONO" is no longer displayed on the LCD.
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the level of power consumption is already low, ECONO operation will not drop the power consumption.

## 2.9 OFF TIMER Operation



# OFF TIMER Operation



Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

### ■ To use OFF TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time. ▶Page 10

#### 1. Press **OFF**.



"0:00" is displayed on the LCD.  
"OFF" blinks.

- "⊗" is no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the time setting rapidly.

#### 3. Press **OFF** again.

- "OFF" and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

### ■ To cancel OFF TIMER operation

Press **CANCEL**.

- "OFF" and setting time are no longer displayed on the LCD.
- "⊗" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### NOTE

#### ■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory. The memory is canceled when remote controller batteries are replaced.
- When operating the unit via the ON/OFF TIMER, the actual length of operation may vary from the time entered by the user. (Maximum approximately 10 minutes)

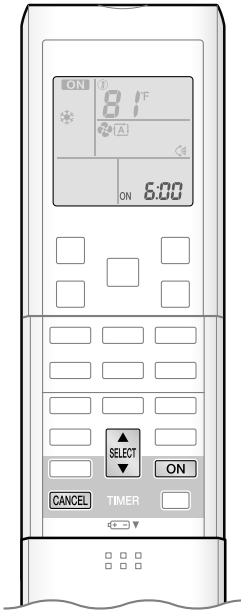
#### ■ NIGHT SET mode

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9°F (0.5°C) up in COOL, 3.6°F (2.0°C) down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

## 2.10 ON TIMER Operation



# ON TIMER Operation



### ■ To use ON TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time. ▶Page 10

#### 1. Press **ON**.



- "6:00" is displayed on the LCD.
- "ON" blinks.

- "⊕" and day of the week are no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the setting rapidly.

#### 3. Press **ON** again.

- "ON" and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

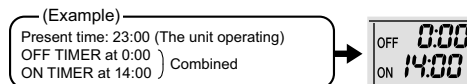
### ■ To cancel ON TIMER operation

#### Press **CANCEL**.

- "ON" and setting time are no longer displayed on the LCD.
- "⊕" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### ■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the 2 timers is shown below.



### NOTE

- In the following cases, set the timer again.
  - After a breaker has turned off.
  - After a power failure.
  - After replacing batteries in the remote controller.

## 2.11 WEEKLY TIMER Operation

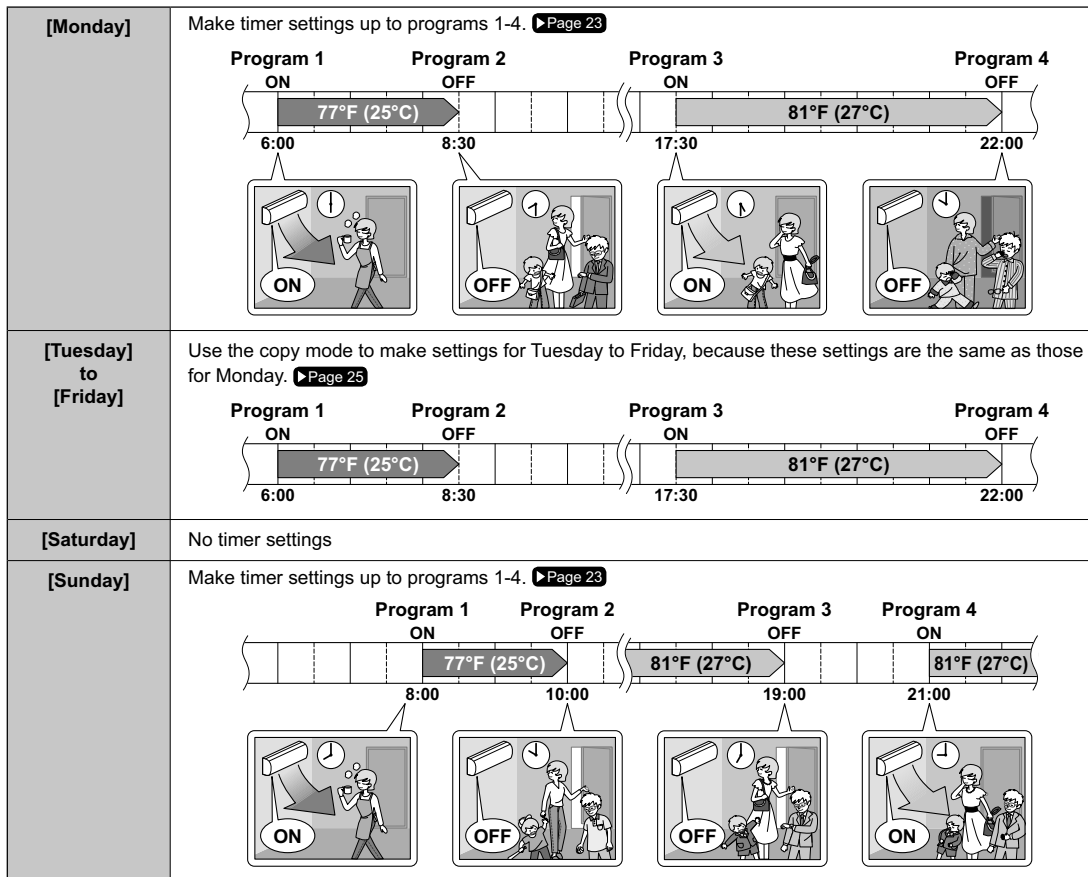


# WEEKLY TIMER Operation

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to the family's life style.

### Using in these cases of WEEKLY TIMER

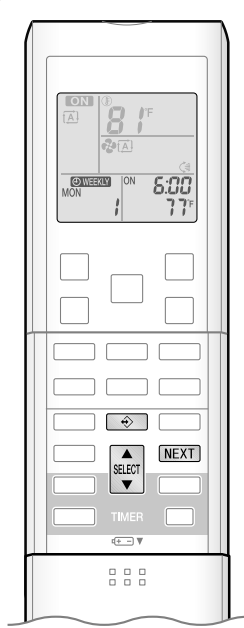
**Example:** The same timer settings are made for the week from Monday through Friday while different timer settings are made for the weekend.



- Up to 4 reservations per day and 28 reservations per week can be set in the WEEKLY TIMER. The effective use of the copy mode ensures ease of making reservations.
- The use of ON-ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using OFF-OFF-OFF-OFF settings, only the turn off time of each day can be set. This will turn off the air conditioner automatically if the user forgets to turn it off.



# WEEKLY TIMER Operation

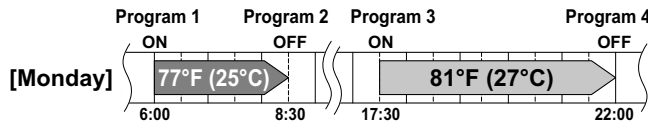


## ■ To use WEEKLY TIMER operation

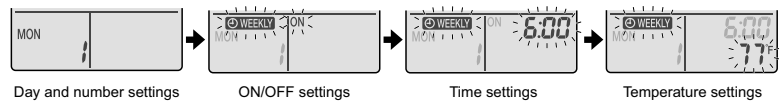
### Setting mode

- Make sure the day of the week and time are set. If not, set the day of the week and time.

▶ Page 10



### Setting Displays



### 1. Press .

- The day of the week and the reservation number of the current day will be displayed.
- 1 to 4 settings can be made per day.


### 2. Press to select the desired day of the week and reservation number.

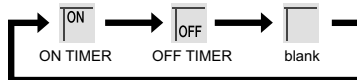
- Pressing  changes the reservation number and the day of the week.

### 3. Press .

- The day of the week and reservation number will be set.
- "WEEKLY" and "ON" blink.

### 4. Press to select the desired mode.

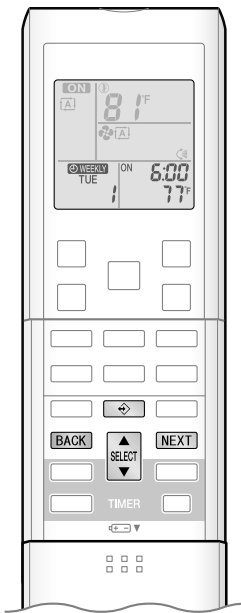
- Pressing  changes "ON" or "OFF" setting in sequence.




- In case the reservation has already been set, selecting "blank" deletes the reservation.
- Go to **STEP 9** if "blank" is selected.

### 5. Press .


- The ON/OFF TIMER mode will be set.
- "WEEKLY" and the time blink.




## 6. Press to select the desired time.

- The time can be set between 0:00 and 23:50 in 10 minute intervals.
- To return to the ON/OFF TIMER mode setting, press .
- Go to **STEP 9** when setting the OFF TIMER.

## 7. Press .

- The time will be set.
- " WEEKLY" and the temperature blink.


## 8. Press to select the desired temperature.

- The temperature can be set between 50°F (10°C) and 90°F (32°C).  
Cooling: The unit operates at 64°F (18°C) even if it is set at 50 (10) to 63°F (17°C).  
Heating: The unit operates at 86°F (30°C) even if it is set at 87 (31) to 90°F (32°C).
- To return to the time setting, press .
- The set temperature is only displayed when the mode setting is on.

## 9. Press .

- The temperature will be set and go to the next reservation setting.
- To continue further settings, repeat the procedure from **STEP 4**.

## 10. Press to complete the setting.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing the OPERATION lamp.
- " WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights yellow.








Display

- A reservation made once can be easily copied and the same settings used for another day of the week. Refer to **Copy mode** . 

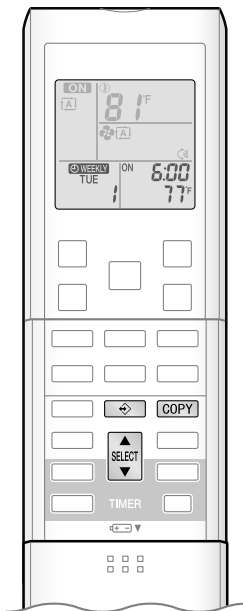
## NOTE

### ■ Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote controller first. 
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with WEEKLY TIMER. Other settings for ON TIMER are based on the settings just before the operation.
- Both WEEKLY TIMER and ON/OFF TIMER operation cannot be used at the same time. The ON/OFF TIMER operation has priority if it is set while WEEKLY TIMER is still active. The WEEKLY TIMER will go into standby state, and " WEEKLY" will be no longer displayed on the LCD. When ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Only the time and set temperature with the WEEKLY TIMER are sent with the . Set the WEEKLY TIMER only after setting the operation mode, the airflow rate and the airflow direction ahead of time.
- Shutting the breaker off, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock. 
- The  can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.

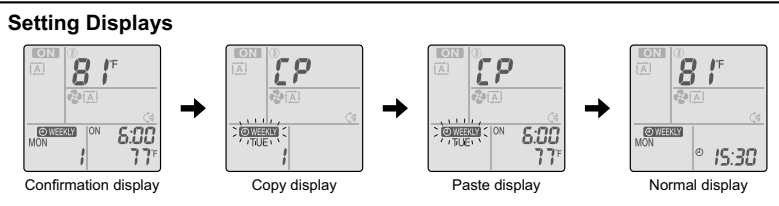
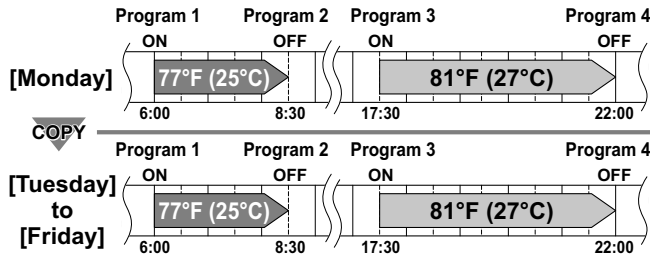








# WEEKLY TIMER Operation



### Copy mode

• A reservation made once can be copied to another day of the week. The whole reservation of the selected day of the week will be copied.



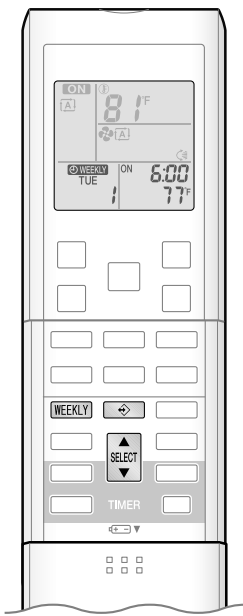
1. Press .
2. Press  **SELECT**  to confirm the day of the week to be copied.
3. Press **COPY**.
  - The whole reservation of the selected day of the week will be copied.
4. Press  **SELECT**  to select the destination day of the week.
5. Press **COPY**.
  - The reservation will be copied to the selected day of the week. The whole reservation of the selected day of the week will be copied.
  - To continue copying the settings to other days of the week, repeat **STEP 4** and **STEP 5**.
6. Press  to complete the setting.
  - "WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.

### NOTE

#### ■ Note on COPY MODE

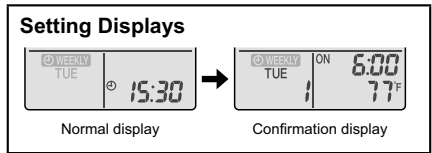
• The entire reservation of the source day of the week is copied in the copy mode.

In the case of making a reservation change for any day of the week individually after copying the content of weekly reservations, press  and change the settings in the steps of **Setting mode**.  **Page 23**



**■ Confirming a reservation**

- The reservation can be confirmed.



**1. Press**

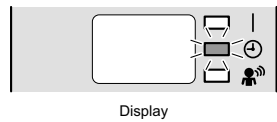
- The day of the week and the reservation number of current day will be displayed.

**2. Press** **to select the day of the week and the reservation number to be confirmed.**

- Pressing displays the reservation details.
  - To change the confirmed reserved settings, select the reservation number and press **NEXT**.
- The mode is switched to setting mode. Go to **Setting mode STEP 4.** [Page 23](#)

**3. Press** **to exit confirming mode.**

- “ WEEKLY” is displayed on the LCD and WEEKLY TIMER operation is activated.
- The TIMER lamp lights yellow.



**■ To deactivate WEEKLY TIMER operation**

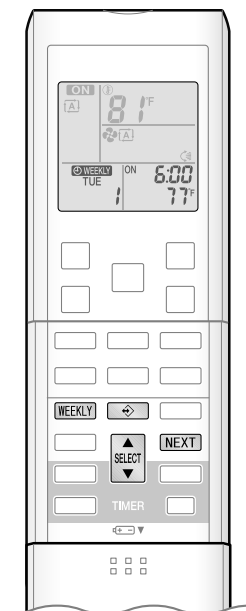
Press **WEEKLY** while “ WEEKLY” is displayed on the LCD.

- “ WEEKLY” will be no longer displayed on the LCD.
- The TIMER lamp goes off.
- To reactivate the WEEKLY TIMER operation, press **WEEKLY** again.
- If a reservation deactivated with **WEEKLY** is activated once again, the last reservation mode will be used.





# WEEKLY TIMER Operation



## To delete reservations

### The individual reservation

1. Press .
    - The day of the week and the reservation number will be displayed.
  2. Press to select the day of the week and the reservation number to be deleted.
  3. Press .
    - “ WEEKLY” and “ON” or “OFF” blink.
  4. Press and select “blank”.
    - Pressing changes ON/OFF TIMER mode.
    - The reservation has no setting when selecting “blank”.
- ```

graph LR
    A[ON TIMER] --> B[OFF TIMER]
    B --> C[blank]
    
```
5. Press .
    - The selected reservation will be deleted.
  6. Press .
    - If there are still other reservations, WEEKLY TIMER operation will be activated.

### The reservations for each day of the week

- This function can be used for deleting reservations for each day of the week.
  - It can be used while confirming or setting reservations.
1. Press to select the day of the week to be deleted.
  2. Hold for 5 seconds.
    - The reservation of the selected day of the week will be deleted.

### All reservations

- Hold for 5 seconds while normal display.
- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone.
  - This operation is not effective on the setting display of WEEKLY TIMER.
  - All reservations will be deleted.

## 2.12 Note for Multi System

# Note for Multi System

Multi system has one outdoor unit connected to multiple indoor units.

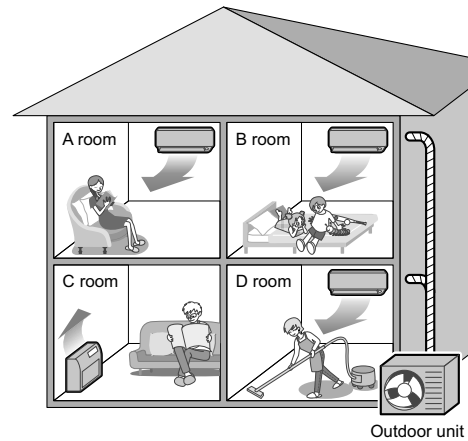
### ■ Selecting the operation mode

#### With the priority room setting present but inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.

In this case, set the units that are turned on later to the same operation mode as the first unit.

Otherwise, they will enter the standby state, and the OPERATION lamp will flash: this does not indicate malfunction.



### NOTE

#### ■ Notes on operation mode for multi system

- COOL, DRY and FAN operation may be used at the same time.
- AUTO operation automatically selects COOL operation or HEAT operation based on the room temperature. Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

### ⚠ CAUTION

- Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.

If the operation mode of the first room is **FAN operation**, then using **HEAT operation** in any room after this will give priority to **HEAT operation**. In this situation, the air conditioner running in FAN operation will go on standby, and the OPERATION lamp will flash.

#### With the priority room setting active.

Refer to "Priority room setting" on the next page.

### ■ NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance. NIGHT QUIET mode reduces the operation sound of the outdoor unit during the nighttime hours to prevent annoyance to neighbors.

- The NIGHT QUIET mode is activated when the temperature drops 10.8°F (6°C) or more below the highest temperature recorded that day. Therefore, when the temperature difference is less than 7.2°F (4°C), this function will not be activated.
- NIGHT QUIET mode reduces slightly the cooling efficiency of the unit.

### ■ OUTDOOR UNIT QUIET operation

Refer to "OUTDOOR UNIT QUIET operation". ▶Page 18

#### With the priority room setting present but inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the Multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.

However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.

We recommend you release all rooms using their remote controllers.

#### With the priority room setting active.

Refer to "Priority room setting" on the next page.

# Note for Multi System

## ■ COOL / HEAT mode lock

The COOL / HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL / HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

## ■ Priority room setting

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

### Operation mode priority

- As the operation mode of the priority room takes precedence, the user can select a different operation mode from other rooms.

**[Example]**

- Room A is the priority room in the examples.

When COOL operation is selected in room A while operating the following modes in room B, C and D :

| Operation mode in room B, C and D | Status of room B, C and D when the unit in room A is in COOL operation                                                                                                    |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL or DRY or FAN                | Current operation mode maintained                                                                                                                                         |
| HEAT                              | The unit enters standby mode. Operation resumes when the room A unit stops operating.                                                                                     |
| AUTO                              | If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters standby mode. Operation resumes when the room A unit stops operating. |

### Priority when POWERFUL operation is used

**[Example]**

- Room A is the priority room in the examples.

The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters POWERFUL operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

### Priority when using OUTDOOR UNIT QUIET operation

**[Example]**

- Room A is the priority room in the examples.

Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You don't have to set all the operated indoor units to QUIET operation.

### 2.13 Care and Cleaning

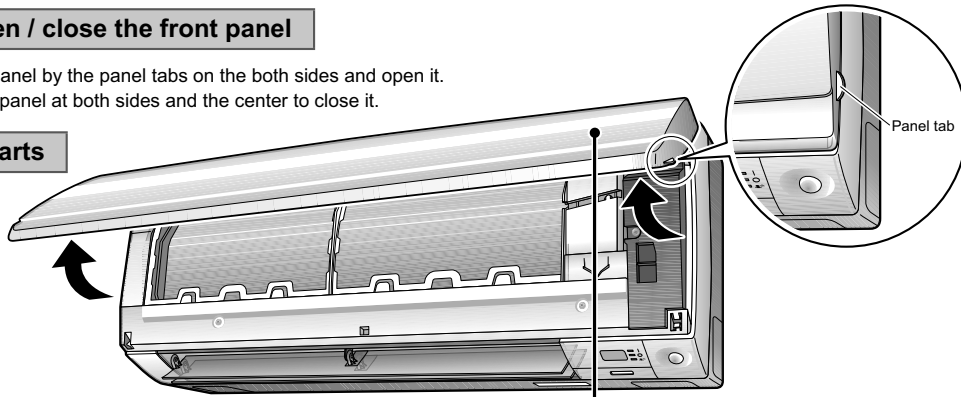
# Care and Cleaning

## ■ Quick reference

### How to open / close the front panel

- Hold the front panel by the panel tabs on the both sides and open it.
- Press the front panel at both sides and the center to close it.

### Cleaning parts

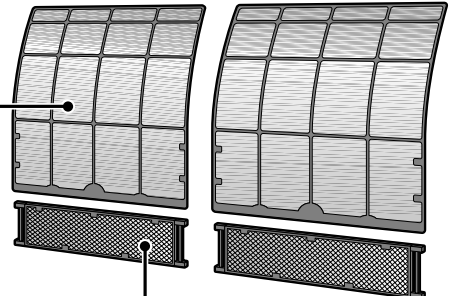


**Air filter**

- Vacuum dust or wash the filter.

**Once every 2 weeks**

Refer to ▶Page 32



**Front panel**

- Wipe it with soft cloth soaked in water.

**If bothered by dirt**

Refer to ▶Page 31

**Titanium apatite photocatalytic air-purifying filter**

- Vacuum dust or replace the filter.

**[Cleaning]**  
**Once every 6 months**  
Refer to ▶Page 33

**[Replacement]**  
**Once every 3 years**  
Refer to ▶Page 33

**Indoor unit, Outdoor unit and Remote controller**

- Wipe them with soft cloth.

**If bothered by dirt**

### Notes on cleaning

#### ■ For cleaning, do not use the materials as follows.

- Hot water above 104°F (40°C).
- Benzine, gasoline, thinner, other volatile oils.
- Polishing compound.
- Scrubbing brushes, other hard stuff.



## ⚠ CAUTION

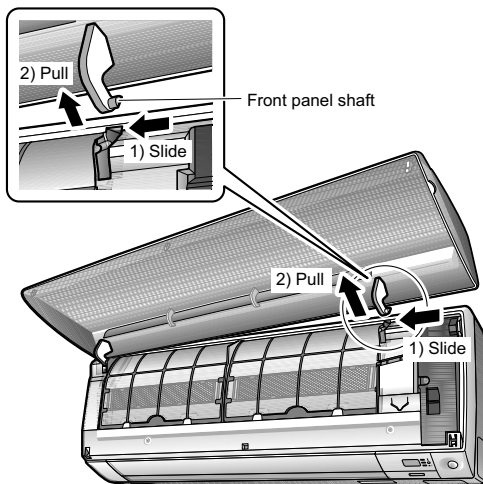
- Before cleaning, be sure to stop the operation and turn the breaker off.
- Do not touch the aluminum fins of the indoor unit. If you touch those parts, this may cause an injury.

# Care and Cleaning

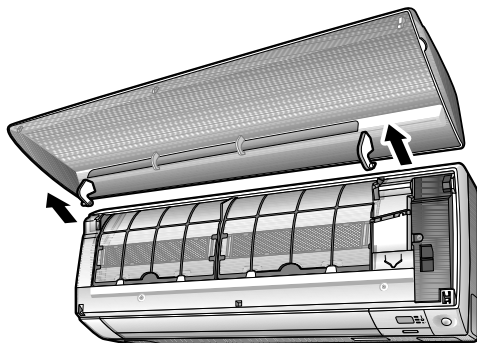
## ■ Front panel

### 1. Remove the front panel.

- Open the front panel.
- Slide the front panel to either the left or right and pulling it toward you. This will disconnect the front panel shaft on one side.



- Disconnect the front panel shaft on the other side in the same manner.

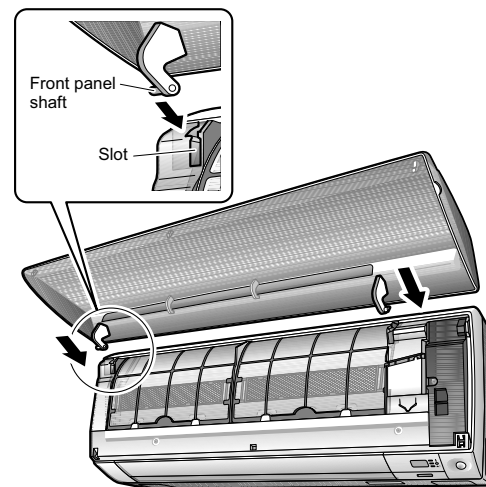


### 2. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- If you wash the panel with water, wipe it with a dry soft cloth, and allow to dry in the shade.

### 3. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.



- Close the front panel slowly. (Press the panel at both sides and the central area.)

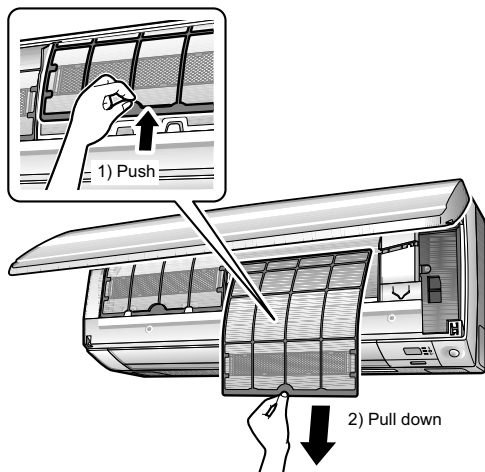
## ⚠ CAUTION

- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- After cleaning, make sure that the front panel is securely fixed.

## ■ Air filter

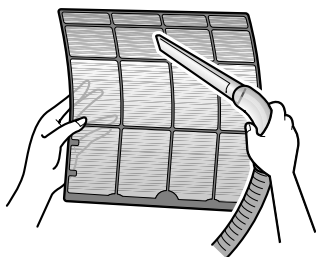
### 1. Pull out the air filters.

- Open the front panel.
- Push the filter tab at the center of each air filter slightly upward, then pull it down.



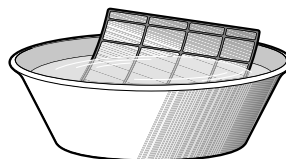
### 2. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.



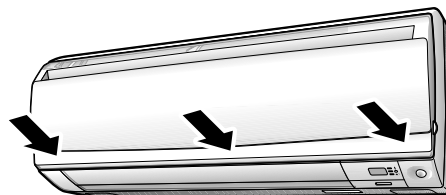
### If the dust does not come off easily

- Wash the air filters with neutral detergent thinned with lukewarm water, then allow to dry in the shade.
- Be sure to remove the titanium apatite photocatalytic air-purifying filter. Refer to "Titanium apatite photocatalytic air-purifying filter" on the next page.



### 3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



## ⚠ CAUTION

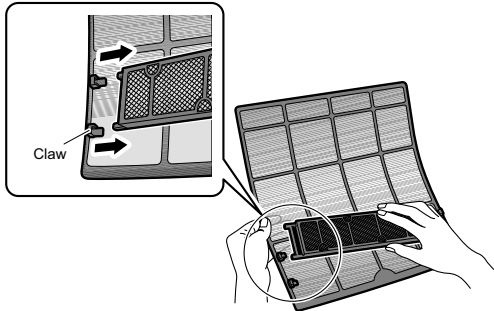
- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter.

# Care and Cleaning

## ■ Titanium apatite photocatalytic air-purifying filter

### 1. Take off the titanium apatite photocatalytic air-purifying filter.

- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

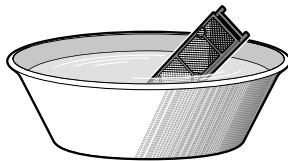


### 2. Clean or replace the titanium apatite photocatalytic air-purifying filter.

#### [Maintenance]

2-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.

- Do not remove the filter from frame when washing with water.

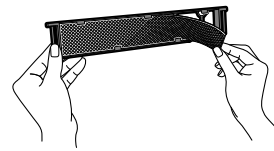


2-2 After washing, shake off remaining water and dry in the shade.

- Since the material is made out of polyester, do not wring out the filter when removing water from it.

#### [Replacement]

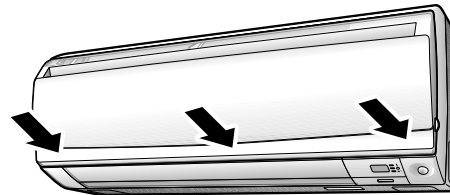
Remove the tabs on the filter frame and replace with a new filter.



- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite photocatalytic air-purifying filter.
- Dispose of the old filter as non-flammable waste.

### 3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the central area.



#### NOTE

- Operation with dirty filters:
  - cannot deodorize the air,
  - cannot clean the air,
  - results in poor heating or cooling,
  - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order titanium apatite photocatalytic air-purifying filter contact to the service shop there you purchased the air conditioner.

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Item     | Titanium apatite photocatalytic air-purifying filter (without frame) 1 set |
| Part No. | KAF970A46                                                                  |

### ■ Check the units

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

### ■ Before a long idle period

#### 1. Operate the FAN only for several hours on a nice day to dry out the inside.

- Press **MODE** and select "🌀" operation.
- Press **ON/OFF** and start the operation.

#### 2. After operation stops, turn off the breaker for the room air conditioner.

#### 3. Clean the air filters and set them again.

#### 4. Take out batteries from the remote controller.

- When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation. **▶Page 28**

### ■ We recommend periodical maintenance

- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user.
- For specialist maintenance, contact the service shop where you purchased the air conditioner.
- The maintenance cost must be born by the user.



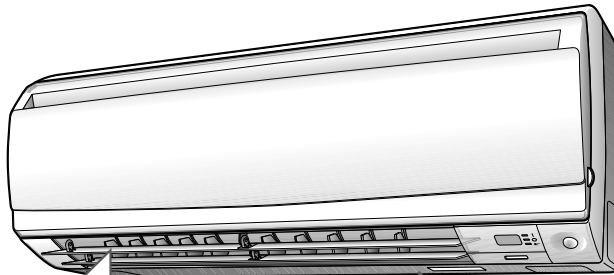
## 2.14 Troubleshooting

# Troubleshooting

### ■ These incidents are not malfunctions.

- The following incidents do not indicate a malfunctioning air conditioner and have explanations. The air conditioner can continue to operate.

#### Indoor unit



#### The louvers do not immediately swing. The louvers move soon after startup.

- The air conditioner is adjusting the louver position. The louvers will start moving soon.

#### The HEAT operation stops suddenly and a flowing sound is heard.

- The outdoor unit is taking away the frost. The HEAT operation starts after the frost on the outdoor unit is removed. You should wait for about 4 to 12 minutes.

#### Operation does not start soon.

- When "ON/OFF" button was pressed soon after operation was stopped.
- When the mode was reselected.
  - This is to protect the air conditioner. You should wait for about 3 minutes.

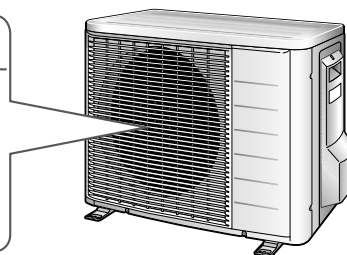
#### Possible sounds.

- **Flowing water**
  - Generated because the refrigerant in the air conditioner is flowing.
  - This is a pumping sound of the water in the air conditioner it is heard when the water is pumped out from the air conditioner in cooling or drying operation.
  - The refrigerant flows in the air conditioner even if the air conditioner is not working when the indoor units in other rooms are in operation.
- **Blowing**
  - Generated when the flow of the refrigerant in the air conditioner is switched over.
- **Ticking**
  - Generated when the size of the air conditioner slightly expands or shrinks as a result of temperature changes.
- **Whistling sound**
  - Generated when refrigerant flows during defrosting operation.
- **Clicking sound during operation or idle time**
  - Generated when the refrigerant control valves or the electrical parts operate.
- **Clopping sound**
  - Heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

#### Outdoor unit

#### The outdoor unit emits water or steam.

- **In HEAT operation**
  - The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.
- **In COOL or DRY operation**
  - Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.



- Troubleshooting measures are classified into the following two types on a remedial basis. Take an appropriate measure according to the symptom.



### Not malfunction

- The following conditions do not indicate a problem with the system.



### Check

- Please check again before calling a repair person.

#### The air conditioner does not operate. (OPERATION lamp is off.)

- Is a breaker off or a fuse blown?
- Is there a power failure?
- Are batteries set in the remote controller?
- Is the timer setting correct?



#### Hot air does not flow out soon after the start of HEAT operation.

- The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)



#### Operation stopped suddenly. (OPERATION lamp is on.)

- For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.



#### Operation stopped suddenly. (OPERATION lamp flashes.)

- Are the air filters clean?  
Clean the air filters.
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Turn the breaker off and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you purchased the air conditioner.
- Are operation modes all the same for indoor units connected to outdoor units in the **multi system**?  
If not, set all indoor units to the same operation mode and confirm that the lamps flash.  
When the operation mode is in "AUTO", set all indoor unit operation modes to "COOL" or "HEAT" for a moment and check again that the lamps are normal. If the lamps stop flashing after the above steps, there is no malfunction. ▶Page 28



#### Mist comes out of the indoor unit.

- This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
- This is because the air in the room is cooled by the heat exchanger and becomes mist during defrosting operation.



# Troubleshooting

## Cooling (Heating) effect is poor.

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Is the temperature setting appropriate?
- Are the windows and doors closed?
- Are the airflow rate and the airflow direction set appropriately?



## The ON/OFF TIMER does not operate according to the settings.

- Check if the ON/OFF TIMER and the WEEKLY TIMER are set to the same time. Change or deactivate the settings in the WEEKLY TIMER. [▶Page 22](#)



## Remote controller does not work properly.

- No remote controller signals are displayed.
- Remote controller sensitivity is low.
- Display is low in contrast or blacked out.
- Display runs out of control.
  - The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new, size AAA.LR03 (alkaline). For details, refer to "To set the batteries" of this manual. [▶Page 9](#)



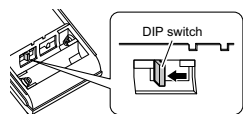
## The indoor unit gives out odor.

- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the airflow. (If this happens, have the indoor unit washed by a technician from the service shop where you purchased the air conditioner.)



## HEAT operation cannot be selected, even though the unit is heat pump model.

- Slide the DIP switch to the left as shown in the illustration so that the HEAT operation can be selected with the "MODE" button.



## The outdoor fan rotates while the air conditioner is not in operation.

- After operation is stopped
  - The outdoor fan continues rotating for another 60 seconds for system protection.
- While the air conditioner is not in operation
  - When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.



## An abnormal functioning happens during operation.

- The air conditioner may malfunction with lightning or radio waves. Turn the breaker off, turn it on again and try operating the air conditioner with the remote controller.



## ■ Call the service shop immediately

### WARNING

- **When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker off.**
  - Continued operation in an abnormal condition could result in malfunctioning, electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.
- **Do not attempt to repair or modify the air conditioner by yourself.**
  - Incorrect work could result in electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.

If one of the following symptoms occurs, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the ground leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn the breaker off and call the service shop.



#### ■ After a power failure

- The air conditioner automatically resumes operation in about 3 minutes. Wait for it to restart.

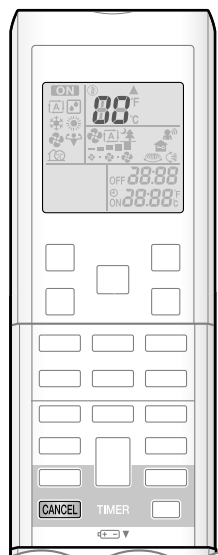
#### ■ Lightning

- If lightning may strike the neighboring area, stop operation and turn the breaker off for system protection.

## ■ Disposal requirements

- Dismantling the unit, and treatment of refrigerant, oil, and other parts, should be done in accordance with the relevant local and national regulations.

# Troubleshooting



## ■ Fault diagnosis by remote controller

- The remote controller can receive a corresponding error code from the indoor unit.

**1. When **CANCEL** is held down for 5 seconds, a “00” indication blinks on the temperature display section.**

**2. Press **CANCEL** repeatedly until a continuous beep is produced.**

- The code indication changes as displayed in the following table, and notifies with a long beep.

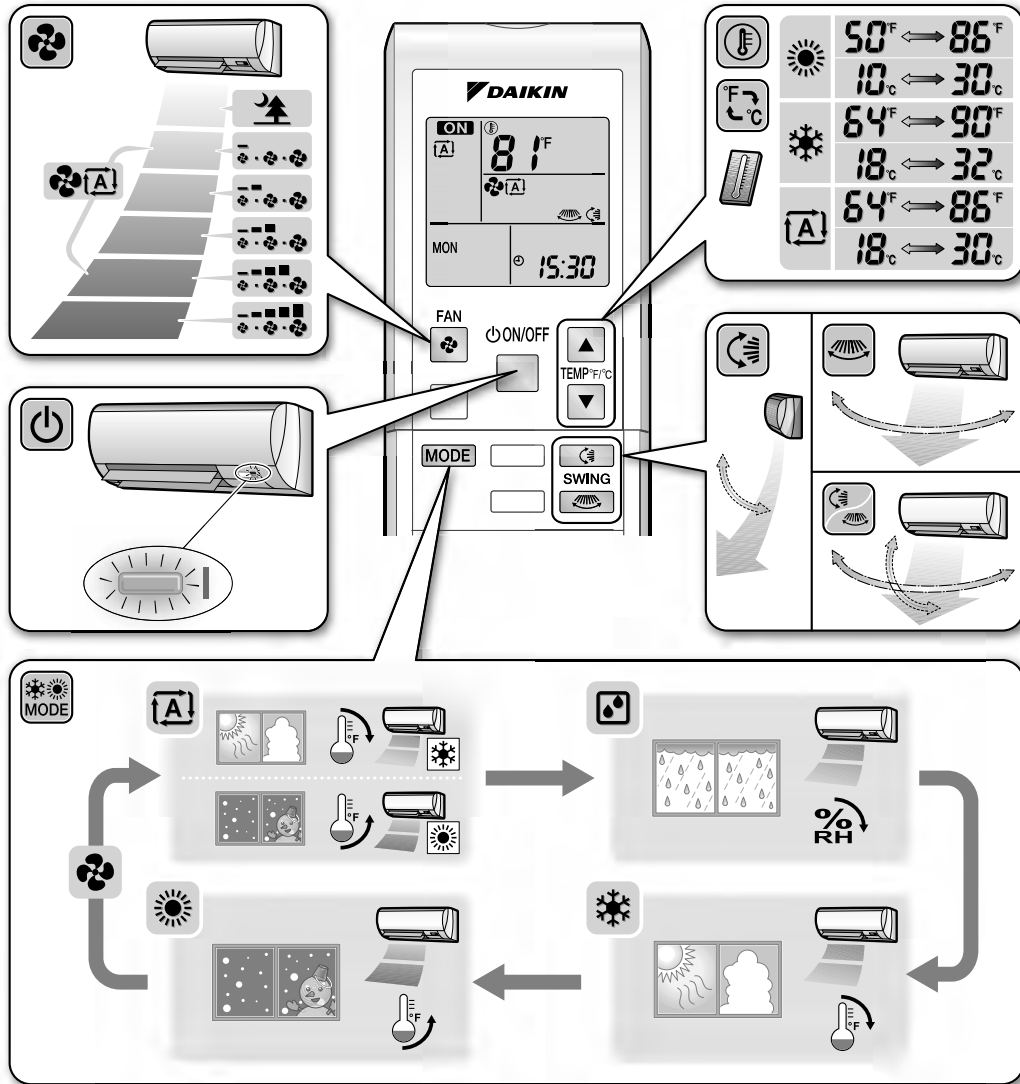
|              | CODE                                                | MEANING                                                        |
|--------------|-----------------------------------------------------|----------------------------------------------------------------|
| SYSTEM       | 00                                                  | NORMAL                                                         |
|              | UA                                                  | INDOOR-OUTDOOR UNIT COMBINATION FAULT                          |
|              | U0                                                  | REFRIGERANT SHORTAGE                                           |
|              | U2                                                  | DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE                       |
|              | U4                                                  | FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT) |
| INDOOR UNIT  | A1                                                  | INDOOR PCB DEFECTIVENESS                                       |
|              | A5                                                  | HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR                   |
|              | A6                                                  | FAN MOTOR FAULT                                                |
|              | C4                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
| OUTDOOR UNIT | C9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
|              | EA                                                  | COOLING-HEATING SWITCHING ERROR                                |
|              | E1                                                  | CIRCUIT BOARD FAULT                                            |
|              | E5                                                  | OL STARTED                                                     |
|              | E6                                                  | FAULTY COMPRESSOR START UP                                     |
|              | E7                                                  | DC FAN MOTOR FAULT                                             |
|              | E8                                                  | OVERCURRENT INPUT                                              |
|              | F3                                                  | HIGH TEMPERATURE DISCHARGE PIPE CONTROL                        |
|              | F6                                                  | HIGH PRESSURE CONTROL (IN COOLING)                             |
|              | H0                                                  | SENSOR FAULT                                                   |
|              | H6                                                  | OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR         |
|              | H8                                                  | DC CURRENT SENSOR FAULT                                        |
|              | H9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
|              | J3                                                  | FAULTY DISCHARGE PIPE TEMPERATURE SENSOR                       |
|              | J6                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
|              | L3                                                  | ELECTRICAL PARTS HEAT FAULT                                    |
|              | L4                                                  | HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK                  |
| L5           | OUTPUT OVERCURRENT                                  |                                                                |
| P4           | FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR |                                                                |

### NOTE

- A short beep and two consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold **CANCEL** for 5 seconds. The code display also cancel itself if the button is not pressed for 1 minute.

2.15 Quick Reference

# Quick Reference



## 3. Operations

### 3.1 Manual Contents and Reference Page

| Model Series                            | The Multi-Split Duct-Free System |               | The Slim Duct Built-in System |
|-----------------------------------------|----------------------------------|---------------|-------------------------------|
|                                         | CTXS07JVJU<br>CTXS09/12HVJU      | FTXS15/18HVJU | FDXS09/12DVJU                 |
| <b>Read Before Operation</b>            |                                  |               |                               |
| Safety Precautions                      | 310                              | 310           | 310                           |
| Names of Parts                          | 355                              | 359           | 363                           |
| Preparation Before Operation ★1         | 317                              | 317           | 368                           |
| <b>Operation</b>                        |                                  |               |                               |
| AUTO, DRY, COOL, HEAT, FAN Operation ★1 | 319                              | 319           | 373                           |
| Adjusting the Airflow Direction ★1      | 321                              | 321           | —                             |
| INTELLIGENT EYE Operation               | 324                              | 324           | —                             |
| POWERFUL Operation ★1                   | 326                              | 326           | 327                           |
| OUTDOOR UNIT QUIET Operation ★1         | 327                              | 327           | 382                           |
| HOME LEAVE Operation ★1                 | 383                              | 383           | 385                           |
| TIMER Operation ★1                      | 387                              | 387           | 389                           |
| Note for Multi System                   | 337                              | 337           | 337                           |
| <b>Care</b>                             |                                  |               |                               |
| Care and Cleaning                       | 393                              | 397           | 401                           |
| <b>Troubleshooting</b>                  |                                  |               |                               |
| Troubleshooting                         | 344                              | 344           | 344                           |
| Drawing No.                             | 3P232717-3D                      | 3P232717-2C   | 3P196326-10                   |





★ 1: As for the duct-free system, illustrations are for FTXS15/18HVJU as representative.

## 3.2 Safety Considerations

Read these **SAFETY CONSIDERATIONS for Operations** carefully before operating air conditioning equipment. Make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit.

Inform customers that they should store this Operation Manual with the Installation Manual for future reference.

Meanings of **DANGER**, **WARNING**, **CAUTION**, and **NOTE** Symbols:

-  **DANGER** ..... Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** ..... Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** ..... Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
-  **NOTE** ..... Indicates situations that may result in equipment or property-damage accidents only.

- **Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.**
- **Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death. Turn off the power and contact your dealer immediately.**
- **Refrigerant gas may produce toxic gas if it comes into contact with fire, such as from a fan, heater, stove, or cooking device. Exposure to this gas could cause severe injury or death.**
- **For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.**
- **If equipment utilizing a burner is used in the same room as the air conditioner, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.**
- **Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries.**
- **Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.**
- **Contact your dealer for repair and maintenance. Improper repair and maintenance may result in water leakage, electric shock, and fire. Only use accessories made by Daikin that are specifically designed for use with the equipment and have them installed by a professional.**
- **Contact your dealer to move and reinstall the air conditioner. Incomplete installation may result in water leakage, electric shock, and fire.**
- **Never let the indoor unit or the remote controller get wet. Water can cause an electric shock or a fire.**
- **Never use flammable spray such as hair spray, lacquer, or paint near the unit. Flammable spray may cause a fire.**
- **When a fuse blows out, never replace it with one of incorrect ampere ratings or different wires. Always replace any blown fuse with a fuse of the same specification.**
- **Never remove the fan guard of the unit. A fan rotating at high speed without the fan guard is very dangerous.**
- **Never inspect or service the unit by yourself. Contact a qualified service person to perform this work.**
- **Turn off all electrical power before doing any maintenance to avoid the risk of serious electric shock; never sprinkle or spill water or liquids on the unit.**
- **Do not touch the switch with wet fingers. Touching a switch with wet fingers can cause electric shock.**



- Do not allow children to play on or around the unit to prevent injury.
- The heat exchanger fins are sharp enough to cut. To avoid injury wear gloves or cover the fins while working around them.
- Do not put a finger or other objects into the air inlet or air outlet. The fan is rotating at high speed and will cause injury.
- Check the unit foundation for damage on a continuous basis, especially if it has been in use for a long time. If left in a damaged condition the unit may fall and cause injury.
- Placing a flower vase or other containers with water or other liquids on the unit could cause a shock or fire if a spill occurs.
- Do not touch the air outlet or horizontal blades while the swing flap is in operation because fingers could get caught and injured.
- Never touch the internal parts of the controller. Do not remove the front panel because some parts inside are dangerous to touch. To check and adjust internal parts, contact your dealer.
- Do not use the air conditioner for any other purposes other than comfort cooling or heating. Do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Do not place items under the indoor unit as they may be damaged by condensates that may form if the humidity is above 80% or if the drain outlet gets blocked.
- Before cleaning, stop the operation of the unit by turning the power off or by pulling the supply cord out from its receptacle. Otherwise, an electric shock and injury may result.
- Do not wash the air conditioner with excessive water. An electric shock or fire may result.
- Avoid placing the controller in a spot splashed with water. Water entering the controller may cause an electric shock or damage the internal electronic parts.
- Do not operate the air conditioner when using a room-fumigation type of insecticide. Failure to observe this could cause the chemicals to be deposited in the unit and can endanger the health of those who are hypersensitive to chemicals.
- Do not turn off the power immediately after stopping operation. Always wait for at least five minutes before turning off the power. Otherwise, water leakage may occur.
- The appliance is not intended for use by young children or infirm persons without supervision.
- The remote controller should be kept away from children so they cannot play with it.
- Consult with the installation contractor for cleaning.
- Incorrect cleaning of the inside of the air conditioner could make the plastics parts break and cause water leakage or electric shock.
- Do not touch the air inlet or aluminum fin of the air conditioner as they can cut and cause injury.
- Do not place objects in direct proximity of the outside unit. Do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for small animals which can enter the unit. Once inside the unit, animals can cause the unit to malfunction, and cause smoke or fire when they make contact with electrical parts.
- Never press the button of the remote controller with a hard, pointed object. The remote controller may be damaged.
- Never pull or twist the electric wire of the remote controller. It may cause the unit to malfunction.
- Do not place appliances that produce open flames in places that are exposed to the air flow of the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.

- Do not expose the controller to direct sunlight. The LCD display can become discolored and may fail to display the data.
  - Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The panel may get discolored or the coating can peel off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Then wipe it with another dry cloth.
  - Dismantling of the unit, disposal of the refrigerant, oil, and additional parts, should be done in accordance with the relevant local, state, and national regulations.
  - Operate the air conditioner in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner in the following places.
    - a. Places with a mist of mineral oil, such as cutting oil.
    - b. Locations such as coastal areas where there is a lot of salt in the air.
    - c. Locations such as hot springs where there is a lot of sulfur in the air.
    - d. Locations such as factories where the power voltage varies a lot.
    - e. In cars, boats, and other vehicles.
    - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
    - g. Locations where equipment produces electromagnetic waves.
    - h. Places with an acid or alkaline mist.
    - i. Places where fallen leaves can accumulate or where weeds can grow.
  - Take snow protection measures. Contact your dealer for the details of snow protection measures, such as the use of a snow protection hood.
  - Do not attempt to do electrical work or grounding work unless you are licensed to do so. Consult with your dealer for electrical work and grounding work.
  - Pay Attention to Operating Sound. Be sure to use the following places:
    - a. Places that can sufficiently withstand the weight of the air conditioner yet can suppress the operating sound and vibration of the air conditioner.
    - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
  - Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit.
  - Consult your dealer if the air conditioner in operation generates unusual noise.
  - Make sure that the drainpipe is installed properly to drain water. If no water is discharged from the drainpipe while the air conditioner is in the cooling mode, the drainpipe may be clogged with dust or dirt and water leakage from the indoor unit may occur. Stop operating the air conditioner and contact your dealer.
-

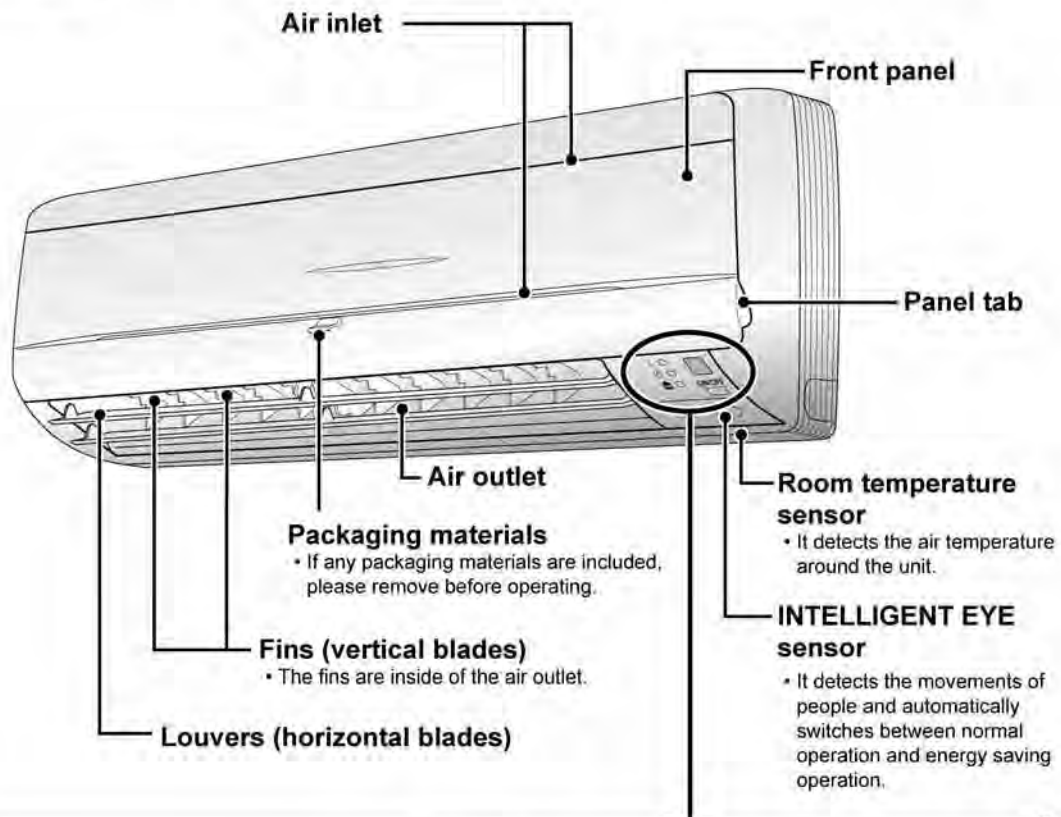


### 3.3 Names of Parts

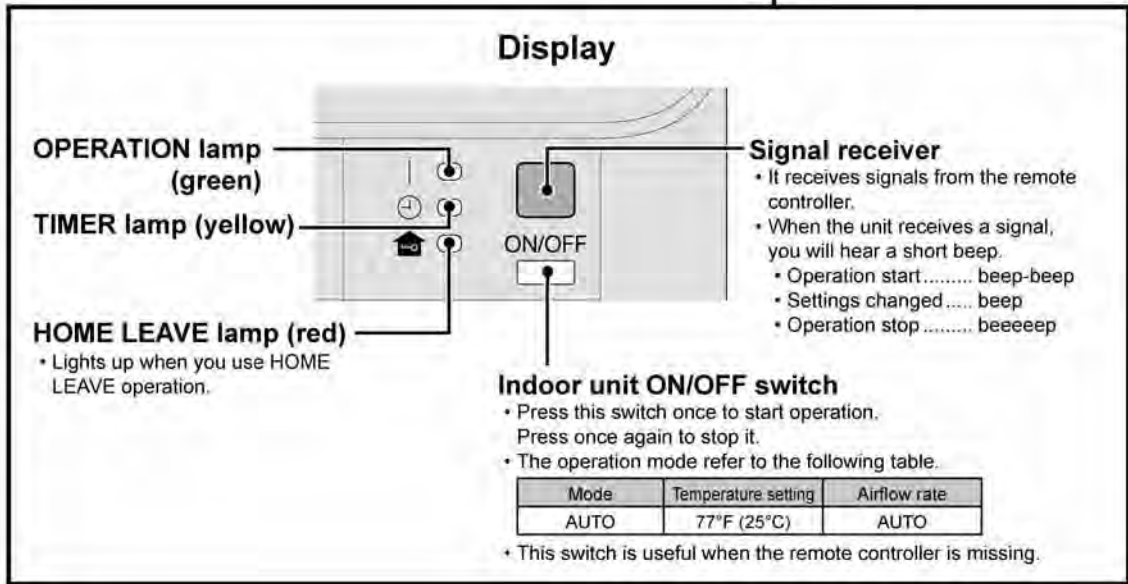
CTXS07JVJU, CTXS09/12HVJU

# Name of Parts

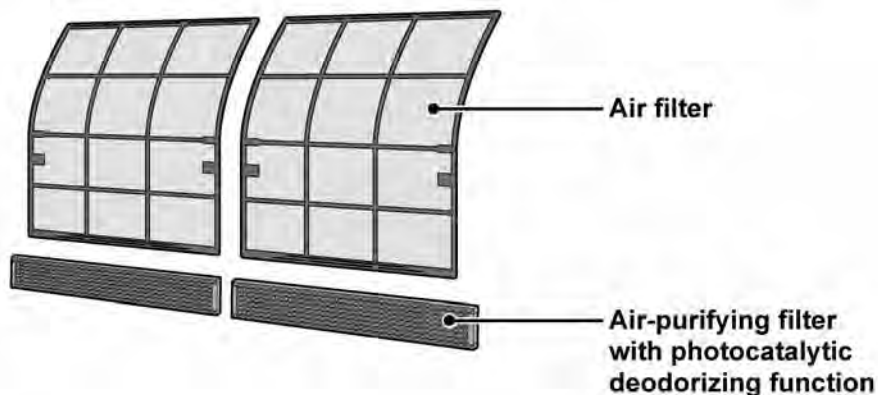
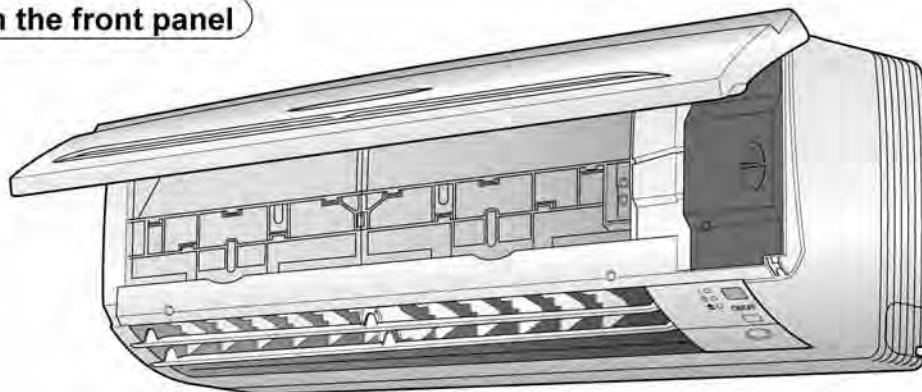
## Indoor Unit



## Display

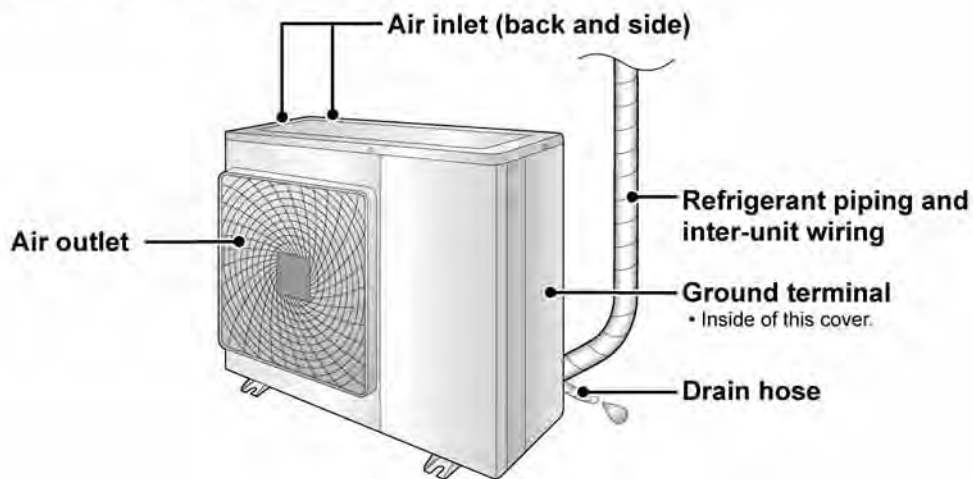


Open the front panel



### Outdoor Unit

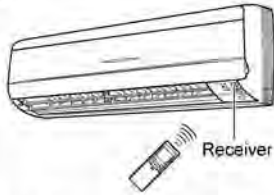
• Appearance of the outdoor unit may differ from some models.



# Name of Parts

## Remote Controller: ARC452A9

### Signal transmitter



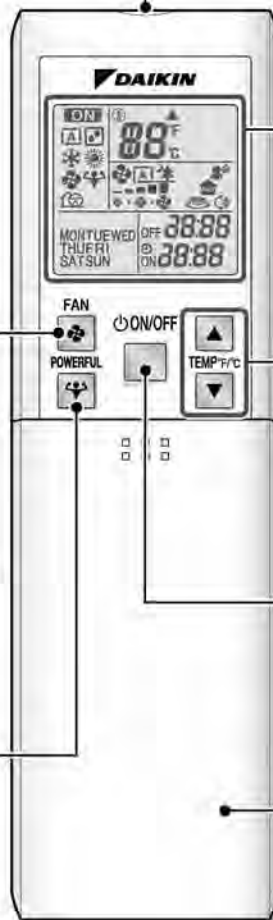
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approximately 23ft. (7m).

### FAN setting button

- Selects the airflow rate setting.

### POWERFUL button

- POWERFUL operation.



### Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with its displays on for the purpose of explanation.)

### TEMPERATURE adjustment buttons

- Changes the temperature setting.

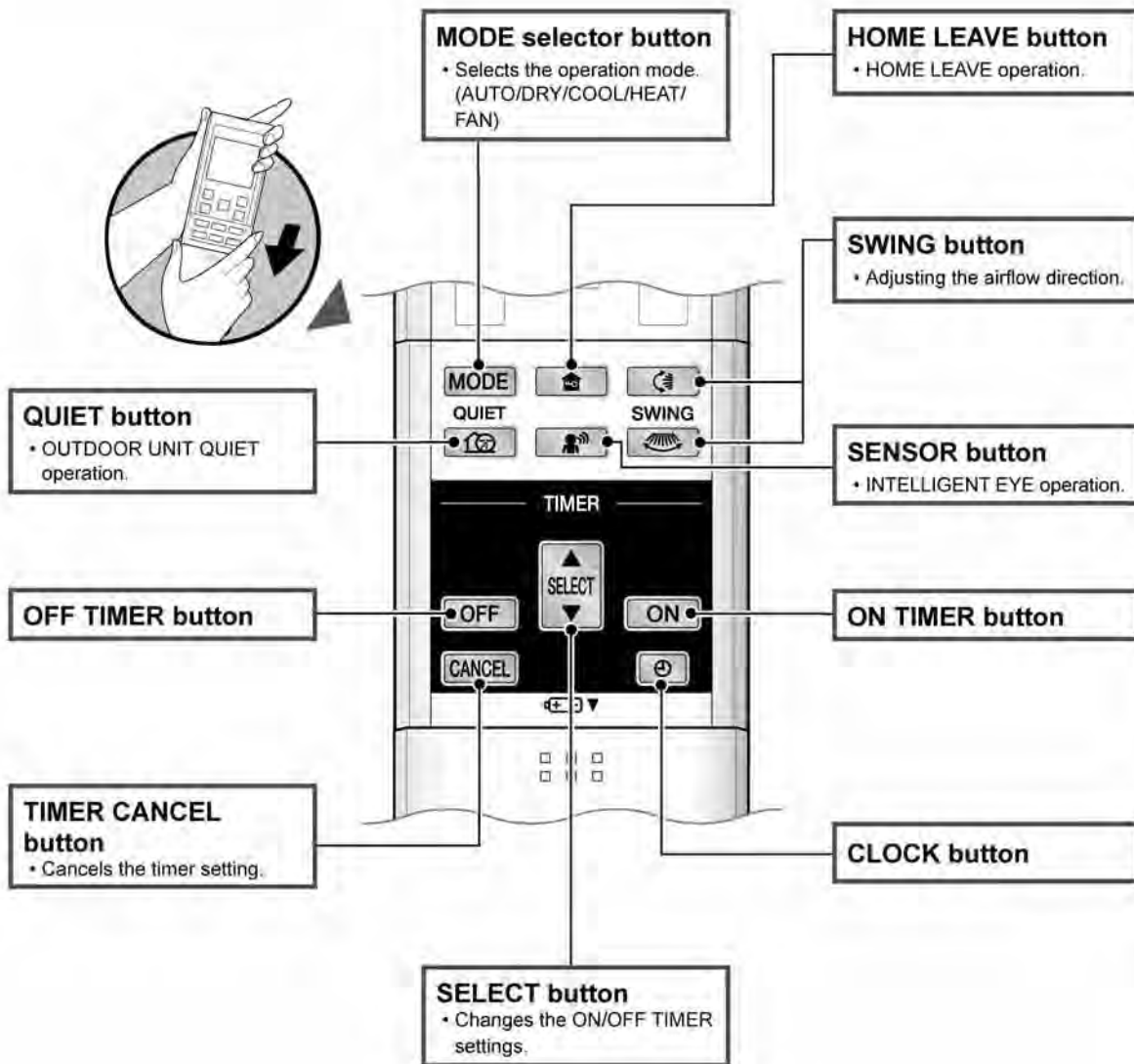
### ON/OFF button

- Press this button once to start operation. Press once again to stop it.

### Front cover

- Open the front cover.

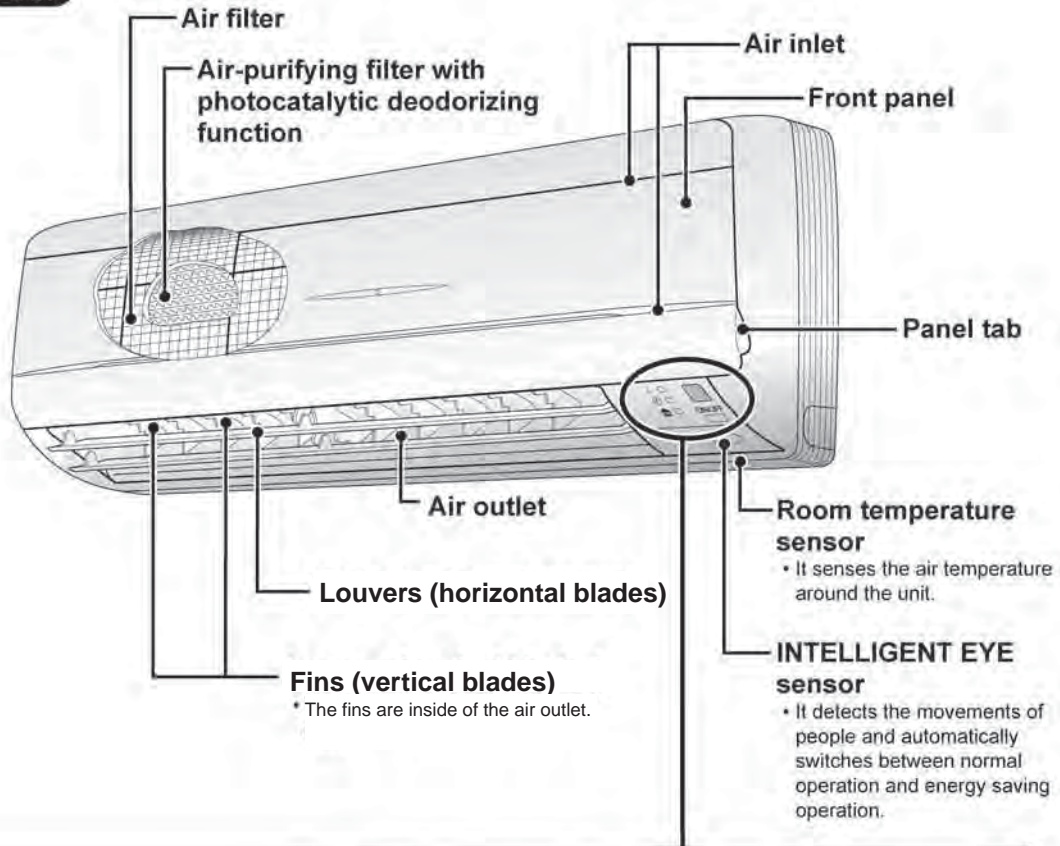
**Open the front cover**



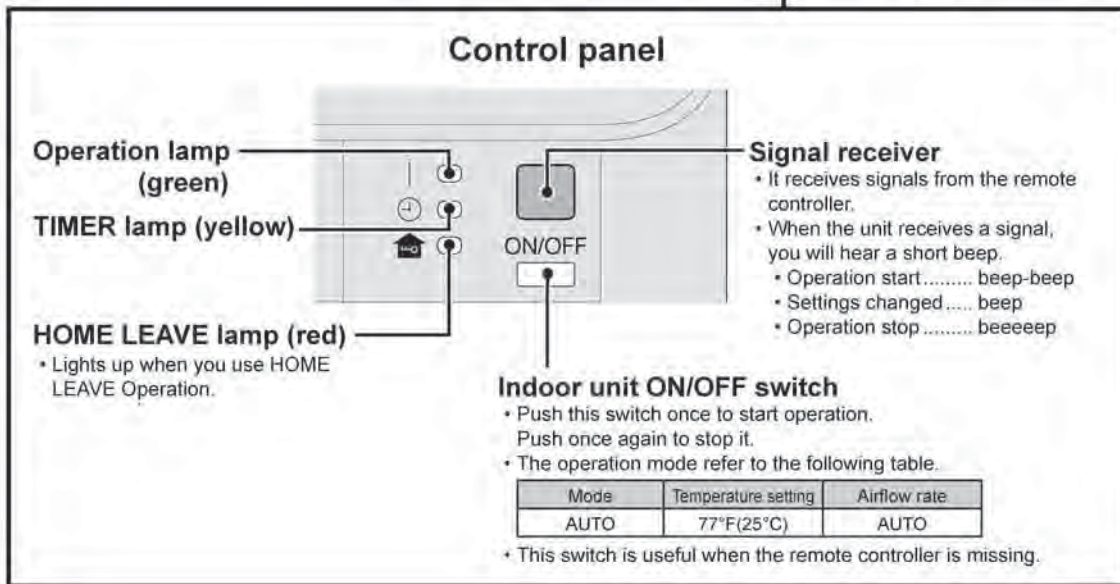
FTXS15/18HVJU

# Name of Parts

## Indoor Unit

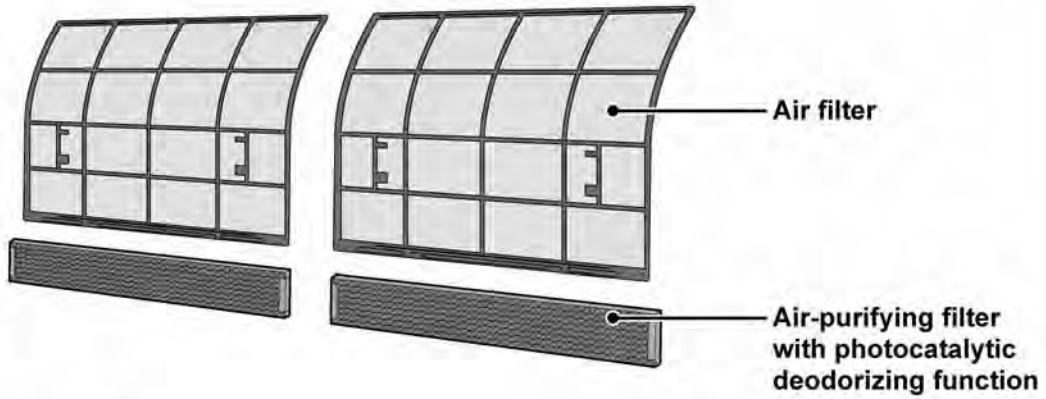
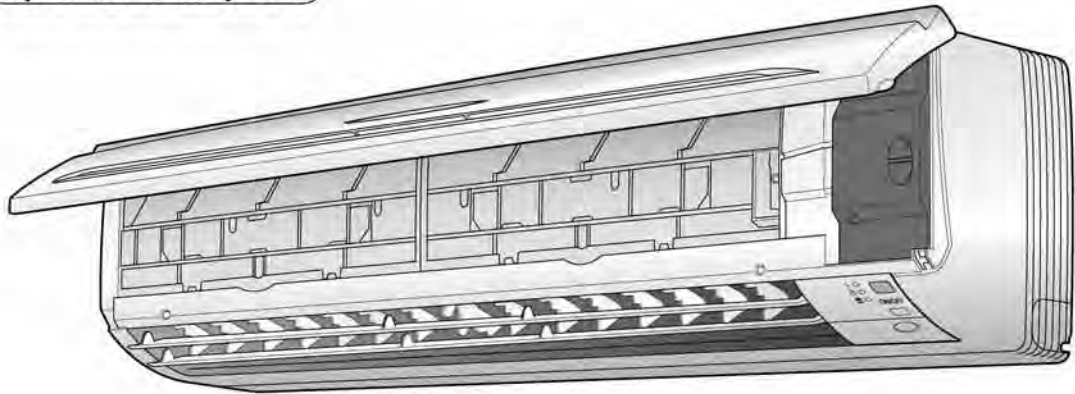


## Control panel



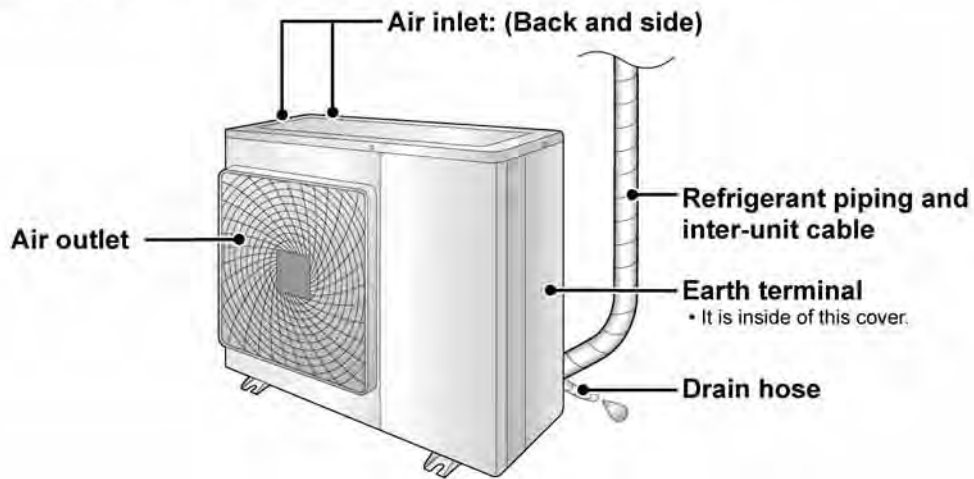


**Open the front panel**



**Outdoor Unit**

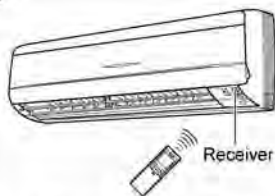
• Appearance of the outdoor unit may differ from some models.



# Name of Parts

## Remote Controller: ARC452A9

### Signal transmitter



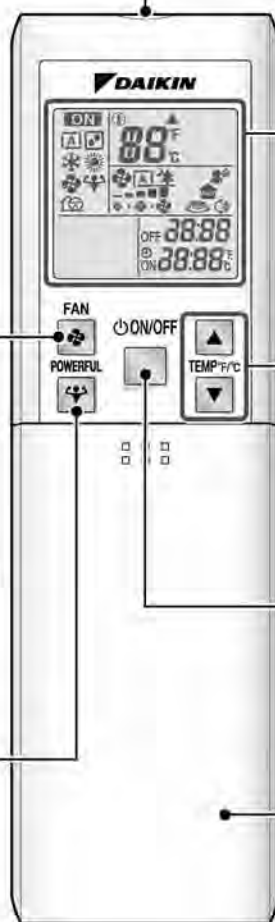
- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approximately 23 ft (7m).

### FAN setting button

- It selects the airflow rate setting.

### POWERFUL button

- POWERFUL operation



### Display (LCD)

- It displays the current settings. (In this illustration, each section is shown with its displays ON for the purpose of explanation.)

### TEMPERATURE adjustment buttons

- It changes the temperature setting.

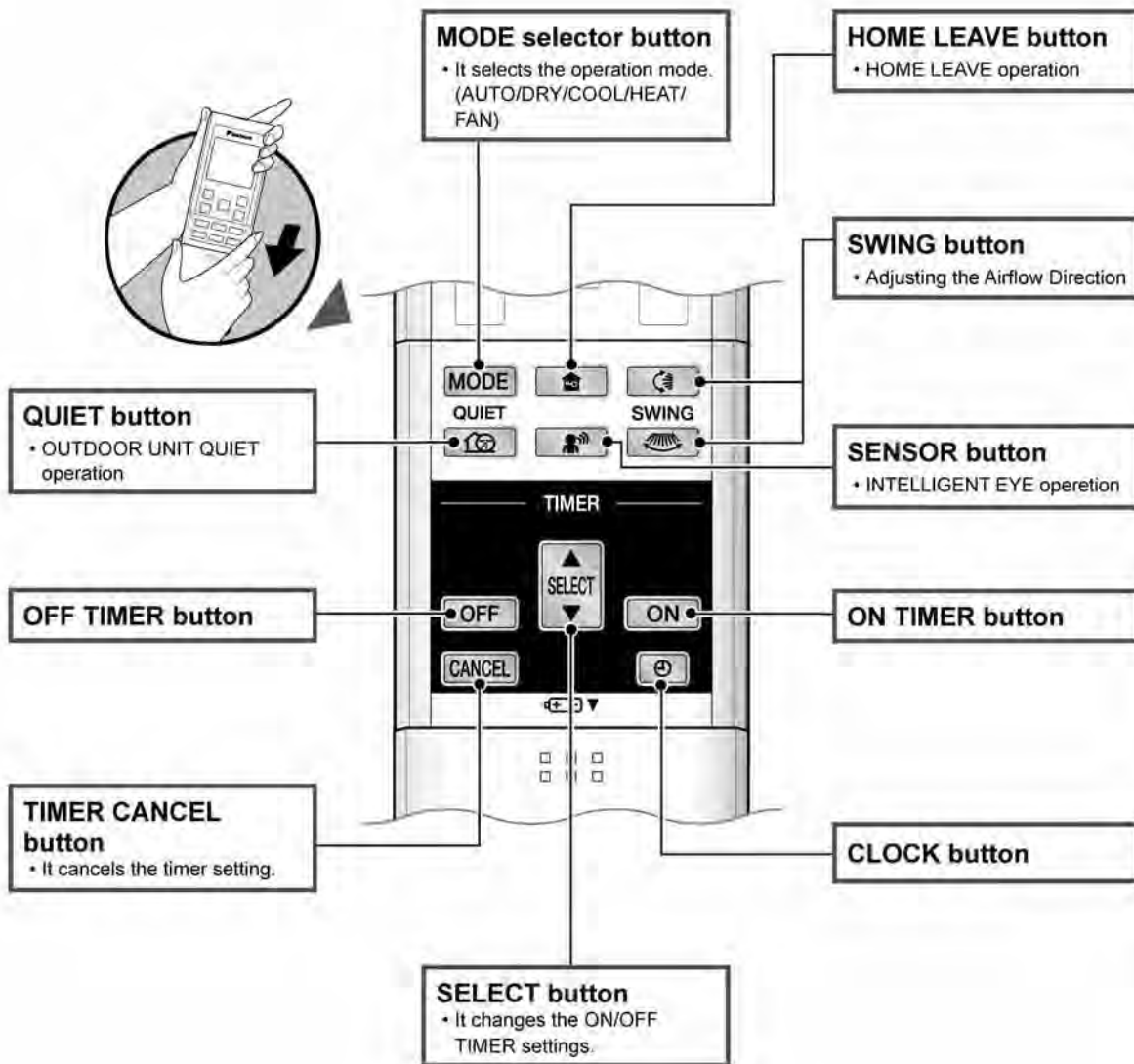
### ON/OFF button

- Press this button once to start operation. Press once again to stop it.

### Front cover

- Open the front cover.

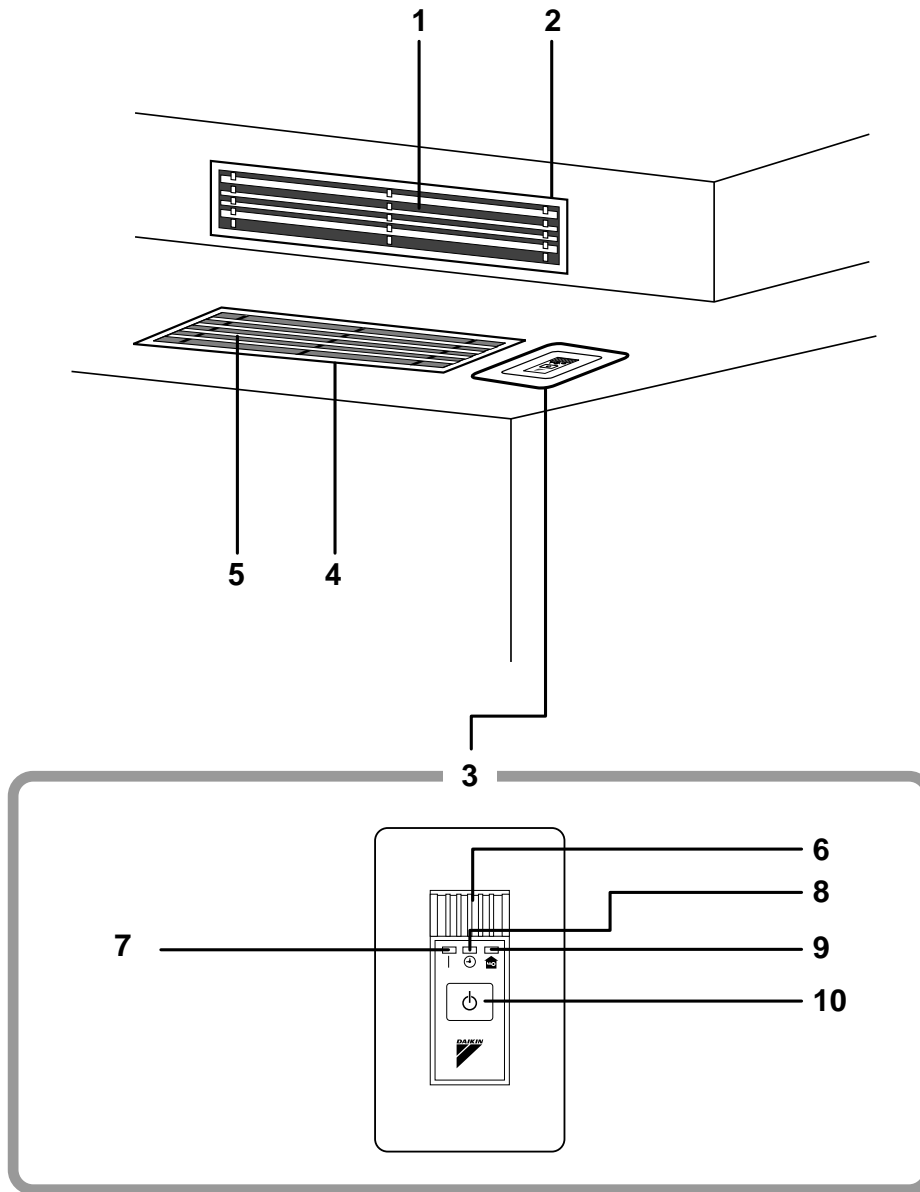
**Open the front cover**



FDXS09/12DVJU

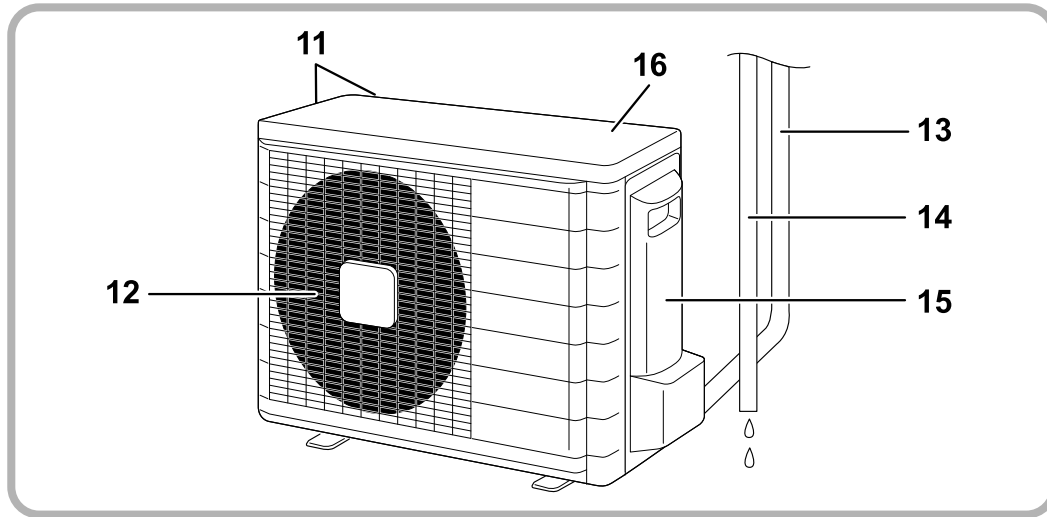
# Names of parts

## ■ Indoor Unit



3

## ■ Outdoor Unit



## ■ Indoor Unit

1. Air outlet
2. Air outlet grille: (Field supply)
  - Appearance of the Air outlet grille and Air inlet grille may differ with some models.
3. Receiver
4. Suction grille: (Option)
  - Appearance of the suction grille and Air inlet grille may differ with some models.
5. Air inlet
6. Room temperature sensor:
  - It senses the air temperature around the unit.
7. Operation lamp (green)
8. TIMER lamp (yellow)
9. HOME LEAVE lamp (red):
  - Lights up when you use HOME LEAVE operation.
10. Indoor Unit ON/OFF switch:
  - Push this switch once to start operation. Push once again to stop it.
  - This switch is useful when the remote controller is missing.
  - The operation mode refers to the following table.

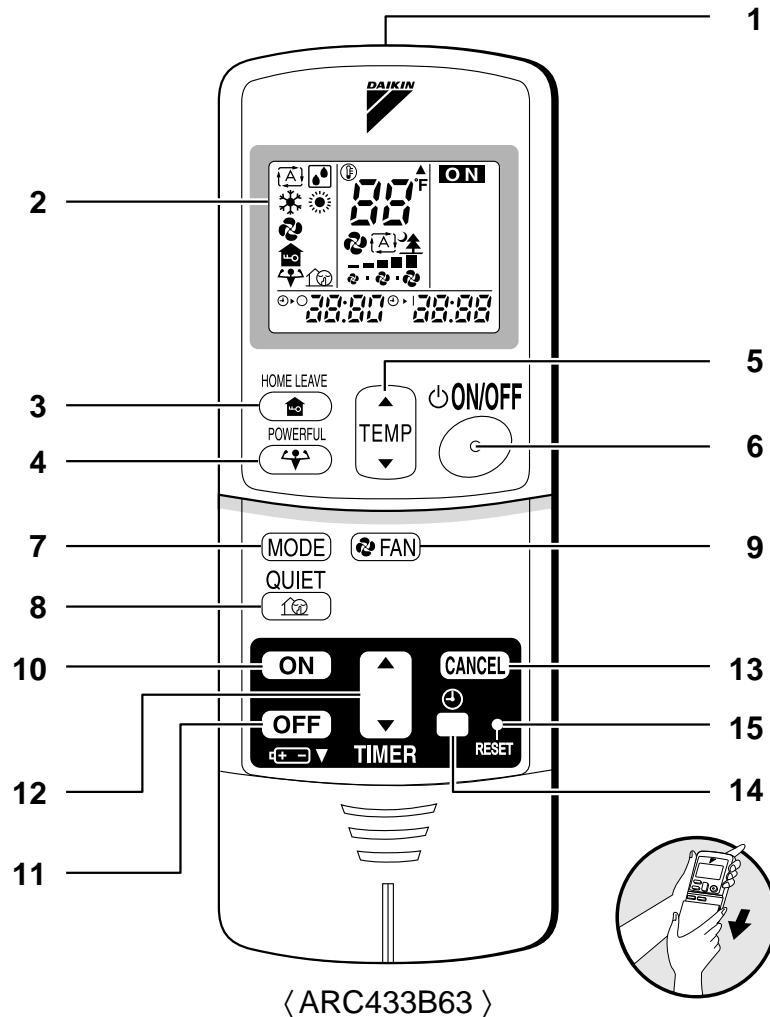
| Mode | Temperature setting | Air flow rate |
|------|---------------------|---------------|
| AUTO | 77°F                | AUTO          |

## ■ Outdoor Unit

11. Air inlet: (Back and side)
12. Air outlet
13. Refrigerant piping and inter-unit cable
14. Drain hose
15. Earth grounding terminal:
  - It is inside of this cover.
16. Outside air temperature sensor:
  - It senses the ambient temperature around the unit.

Appearance of the outdoor unit may differ from some models.

## Remote Controller



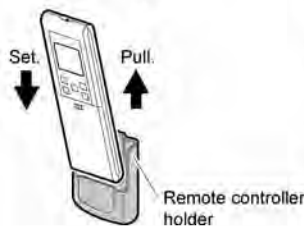
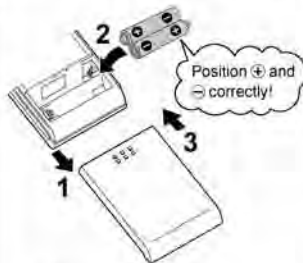
〈 ARC433B63 〉

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1. Signal transmitter:</b></p> <ul style="list-style-type: none"> <li>• It sends signals to the indoor unit.</li> </ul> <p><b>2. Display:</b></p> <ul style="list-style-type: none"> <li>• It displays the current settings.<br/>(In this illustration, each section is shown with all its displays ON for the purpose of explanation.)</li> </ul> <p><b>3. HOME LEAVE button:</b><br/>HOME LEAVE operation</p> <p><b>4. POWERFUL button:</b><br/>POWERFUL operation</p> <p><b>5. TEMPERATURE adjustment buttons:</b></p> <ul style="list-style-type: none"> <li>• It changes the temperature setting.</li> </ul> <p><b>6. ON/OFF button:</b></p> <ul style="list-style-type: none"> <li>• Press this button once to start operation.<br/>Press once again to stop it.</li> </ul> | <p><b>7. MODE selector button:</b></p> <ul style="list-style-type: none"> <li>• It selects the operation mode.<br/>(AUTO/DRY/COOL/HEAT/FAN)</li> </ul> <p><b>8. QUIET button:</b> OUTDOOR UNIT QUIET operation</p> <p><b>9. FAN setting button:</b></p> <ul style="list-style-type: none"> <li>• It selects the air flow rate setting.</li> </ul> <p><b>10. ON TIMER button</b></p> <p><b>11. OFF TIMER button</b></p> <p><b>12. TIMER Setting button:</b></p> <ul style="list-style-type: none"> <li>• It changes the time setting.</li> </ul> <p><b>13. TIMER CANCEL button:</b></p> <ul style="list-style-type: none"> <li>• It cancels the timer setting.</li> </ul> <p><b>14. CLOCK button</b></p> <p><b>15. RESET button:</b></p> <ul style="list-style-type: none"> <li>• Restart the unit if it freezes.<br/>• Use a thin object to push.</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 3.4 Preparation Before Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU

# Preparation before Operation



### ■ To set the batteries

1. Slide the front cover to take it off.
2. Set 2 dry batteries AAA.LR03 (alkaline).
3. Set the front cover as before.

### ■ To fix the remote controller holder on the wall

1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.

### ■ Celsius/Fahrenheit display switch

- The Celsius or Fahrenheit display is selectable with the following buttons.

Press  and  buttons simultaneously for 5 seconds.

- The temperature will be displayed in Fahrenheit if it is presently displayed in Celsius, and vice versa.

## ATTENTION

### ■ About batteries

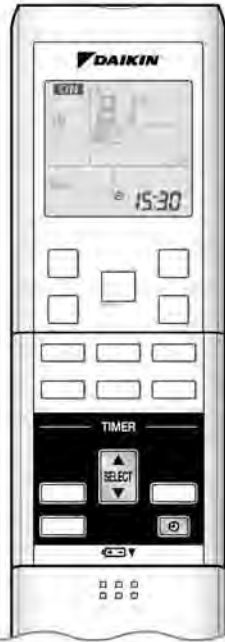
- When replacing the batteries, use batteries of the same type, and replace the 2 old batteries together.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approximately 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both 2 batteries with new, size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.  
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

### ■ About remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.

### ■ Celsius/Fahrenheit display change function of remote controller

- The set temperature may increase when the display is changed to Celsius from Fahrenheit, because a fraction of 0.5°C is rounded up.
- Example: A set temperature of 64°F (equivalent to 18.5°C) will be converted into 19°C.  
When the display is changed to Fahrenheit again, the set temperature will be converted into 66°F (equivalent to 19°C) instead of the original set temperature (64°F) but a set temperature of 66°F (equivalent to 19°C) will be converted into 19°C with no temperature change.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Celsius/Fahrenheit display change function.



**Turn the breaker ON**

• Turning ON the breaker closes the flap. (This is a normal procedure.)

**To set the clock**

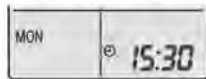
**1. Press** [Power Button].



"0:00" is displayed.  
"MON" and "⏻" blinks.

**2. Press** [SELECT] **to set the current day of the week.**

**3. Press** [Power Button].



"⏻" blinks.

**4. Press** [SELECT] **to set the clock to the present time.**

• Holding down [SELECT] button rapidly increases or decreases the time display.

**5. Press** [Power Button].

• Always point the remote controller at the indoor unit when pushing the buttons when setting the indoor unit's internal clock.



"⏻" blinks.

**NOTE**

**Tips for saving energy**

- Be careful not to COOL (HEAT) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every two weeks.

| Recommended temperature setting |                           |
|---------------------------------|---------------------------|
| For COOL:                       | 78°F – 82°F (26°C – 28°C) |
| For HEAT:                       | 68°F – 75°F (20°C – 24°C) |

**Please note**

- The air conditioner always consumes 50-120 btu/h (15-35 watts) of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
- Use the air conditioner in the following conditions.

| Mode | Operating conditions                                                                                                          | If operation is continued out of this range                                                                                                                                                                                                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL | Outdoor temperature : 14 to 115°F (-10 to 46°C)<br>Indoor temperature : 64 to 90°F (18 to 32°C)<br>Indoor humidity : 80% max. | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) Under 0°F and over 115°F outdoor temperature.</li> <li>• See Note 2 for 0°F to 14°F operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul> |
| HEAT | Outdoor temperature : 5 to 64°F (-15 to 18°C)<br>Indoor temperature : 50 to 86°F (10 to 30°C)                                 | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation. Under 0°F or over 64°F outdoor temperature.</li> <li>• See the Note 3 for 0°F to 5°F.</li> </ul>                                                                                                                                                        |
| DRY  | Outdoor temperature : 14 to 115°F (-10 to 46°C)<br>Indoor temperature : 64 to 90°F (18 to 32°C)<br>Indoor humidity : 80% max. | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul>                                                                                                                                                                               |

• Operation outside this humidity or temperature range may cause a safety device to disable the system.

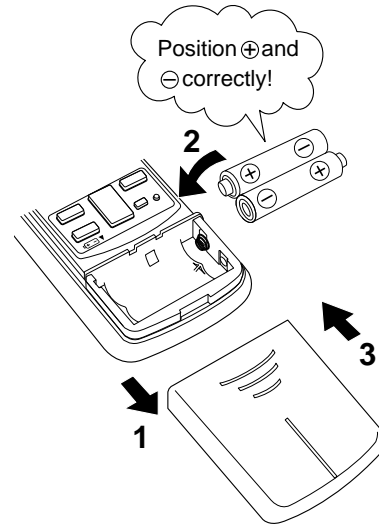


FDXS09/12DVJU

# Preparation Before Operation

## ■ To set the batteries

1. Slide the front cover to take it off.
2. Set two dry batteries (AAA).
3. Set the front cover as before.



## ATTENTION

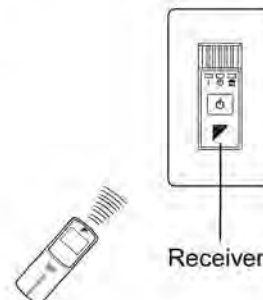
### ■ About batteries

- When replacing the batteries, use batteries of the same type, and replace the two old batteries together.
- When the system is not used for a long time, take the batteries out.
- We recommend replacing once a year, although if the remote controller display begins to fade or if reception deteriorates, please replace with new alkali batteries. Do not use manganese batteries.
- The attached batteries are provided for the initial use of the system. The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

# Preparation Before Operation

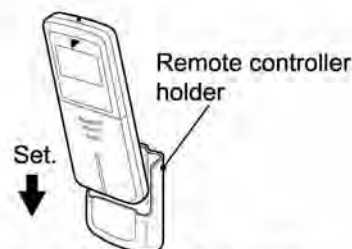
## ■ To operate the remote controller

- To use the remote controller, aim the transmitter at the indoor unit.  
If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is about 13ft.



## ■ To fix the remote controller holder on the wall

1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.



- To remove, pull it upwards.

## ATTENTION

### ■ About remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity.  
Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.

■ **To set the clock**

1. Press “CLOCK button”.

0:00 is displayed.

⌚ blinks.

2. Press “TIMER setting button” to set the clock to the present time.

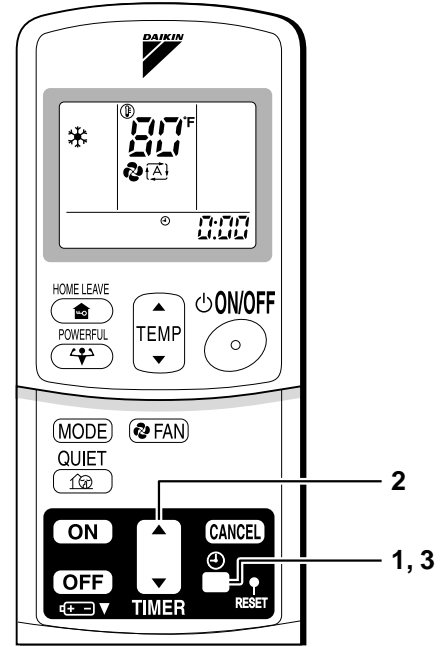
Holding down “▲” or “▼” button rapidly increases or decreases the time display.

3. Press “CLOCK button”.

⌚ blinks.

■ **Turn the breaker ON**

- Turning ON the breaker opens the flap, then closes it again. (This is a normal procedure.)



**NOTE**

■ **Tips for saving energy**

- Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once every two weeks.

| Recommended temperature setting |
|---------------------------------|
| For cooling: 78°F – 82°F        |
| For heating: 68°F – 75°F        |

■ **Please note**

- The air conditioner always consumes 15-35 watts of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
- Use the air conditioner in the following conditions.

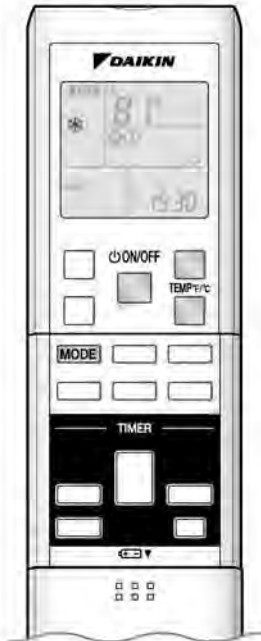
| Mode | Operating conditions                                                                            | If operation is continued out of this range                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL | Outdoor temperature: 14 to 115°F<br>Indoor temperature: 64 to 90°F<br>Indoor humidity: 80% max. | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul> |
| HEAT | Outdoor temperature: 5 to 64°F<br>Indoor temperature: 50 to 86°F                                | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> </ul>                                                                |
| DRY  | Outdoor temperature: 14 to 115°F<br>Indoor temperature: 64 to 90°F<br>Indoor humidity: 80% max. | <ul style="list-style-type: none"> <li>• A safety device may work to stop the operation.</li> <li>• Condensation may occur on the indoor unit and drip.</li> </ul> |

- Operation outside this humidity or temperature range may cause a safety device to disable the system.

### 3.5 AUTO · DRY · COOL · HEAT · FAN Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU

# AUTO · DRY · COOL · HEAT · FAN Operation

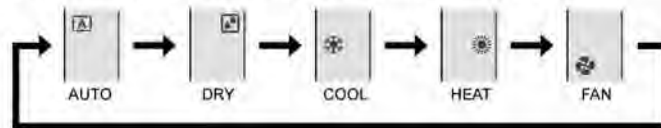


The air conditioner operates with the operation mode of your choice.  
From the next time on, the air conditioner will operate with the same operation mode.

#### ■ To start operation

### 1. Press **MODE** and select a operation mode.

- Each pressing of the button advances the mode setting in sequence.



### 2. Press .

- "ON" is displayed on the LCD.
- The OPERATION lamp lights up.



Control panel

#### ■ To stop operation

Press  again.

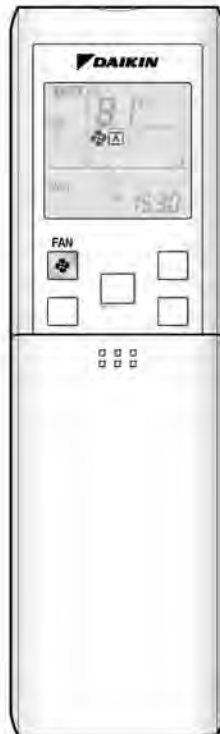
- "ON" disappears from the LCD.
- Then OPERATION lamp goes off.

#### ■ To change the temperature setting

Press  or .


- The displayed items on the LCD will change whenever either one of the buttons is pressed.

| DRY or FAN mode                                                        | COOL mode            | HEAT mode            | AUTO mode            |
|------------------------------------------------------------------------|----------------------|----------------------|----------------------|
| The temperature setting is not variable.                               | 64~90°F<br>(18~32°C) | 50~86°F<br>(10~30°C) | 64~86°F<br>(18~30°C) |
| Press ▲ to raise the temperature and press ▼ to lower the temperature. |                      |                      |                      |



## ■ To change the airflow rate setting

Press .

| DRY mode                                  | AUTO or COOL or HEAT or FAN mode                                                                                                                                            |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The airflow rate setting is not variable. | Five levels of airflow rate setting from "弱" to "強" plus "AUTO" and "静音" are available.  |

- Indoor unit quiet operation  
When the airflow is set to "静音", the noise from the indoor unit will become quieter. Use this when making the noise quieter. The unit might lose capacity when the airflow rate is set to a weak level.
- Each pressing of the button advances the airflow rate setting in sequence.



## NOTE

### ■ Note on HEAT operation

- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.
- In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of indoor unit.

### ■ Note on COOL operation

- This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, the performance of the air conditioner drops.

### ■ Note on DRY operation

- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.

### ■ Note on AUTO operation

- In AUTO operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
- If you do not like AUTO operation, manually change the set temperature.

### ■ Note on FAN operation

- This is valid for fan only.

### ■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

FDXS09/12DVJU

# AUTO · DRY · COOL · HEAT · FAN Operation

The air conditioner operates with the operation mode of your choice.  
From the next time on, the air conditioner will operate with the same operation mode.

## ■ To start operation

1. Press "MODE selector button" and select a operation mode.

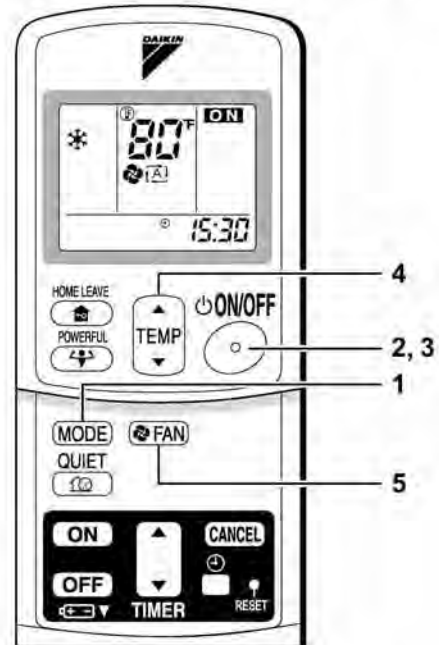
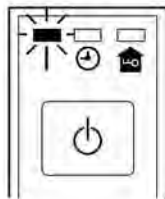
- Each pressing of the button advances the mode setting in sequence.

- : AUTO
- : DRY
- : COOL
- : HEAT
- : FAN



2. Press "ON/OFF button".

- The OPERATION lamp lights up.



## ■ To stop operation

3. Press "ON/OFF button" again.

- Then OPERATION lamp goes off.






## ■ To change the temperature setting

4. Press "TEMPERATURE adjustment button".


|                                          |                                                                            |
|------------------------------------------|----------------------------------------------------------------------------|
| DRY or FAN mode                          | AUTO or COOL or HEAT mode                                                  |
|                                          | Press "▲" to raise the temperature and press "▼" to lower the temperature. |
| The temperature setting is not variable. | Set to the temperature you like.<br>                                       |

## ■ To change the air flow rate setting

### 5. Press “FAN setting button”.

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRY mode                                   | AUTO or COOL or HEAT or FAN mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| The air flow rate setting is not variable. | Five levels of air flow rate setting from “  ” to “  ” plus “  ” “  ” are available.<br> |

- Indoor unit quiet operation

When the air flow is set to “”, the noise from the indoor unit will become quieter.

Use this when making the indoor unit quieter.

The unit might lose capacity when the fan strength is set to a weak level.

## NOTE

### ■ Note on HEAT operation

- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room gets warmer.
- In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of indoor unit.

### ■ Note on COOL operation

- This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, performance drops.

### ■ Note on DRY operation

- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and fan strength, so manual adjustment of these functions is unavailable.

### ■ Note on AUTO operation

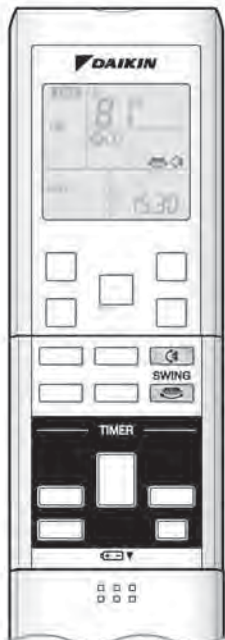
- In AUTO operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
- If you do not like AUTO operation, you can manually select the operation mode and setting you like.

### ■ Note on air flow rate setting

- At smaller air flow rates, the cooling (heating) effect is also smaller.

## 3.6 Adjusting the Airflow Direction

# Adjusting the Airflow Direction




You can adjust the airflow direction to increase your comfort.

### Adjusting the upper and lower airflow direction

#### ■ To adjust the louvers (horizontal blades)

**1. Press** .

- "⌚" is displayed on the LCD and the louvers begin to swing.

**2. When the louvers have reached the desired position, press**  **once more.**

- The louvers will stop moving.
- "⌚" is no longer displayed on the LCD.

### Adjusting the right and left airflow direction

#### ■ To adjust the fins (vertical blades)

**3. Press** .





- "🌿" is displayed on the LCD.

**4. When the fins have reached the desired position, position, press the**  **once more.**

- The fins will stop moving.
- "🌿" is no longer displayed on the LCD.



■ To start 3-D Airflow

1. 3. Press the  and the  :  
the “” and “” display will light up and the louvers and fins will move in turn.

■ To cancel 3-D Airflow

2. 4. Press either the  or the .

**NOTE**

■ Notes on louvers and fins angles

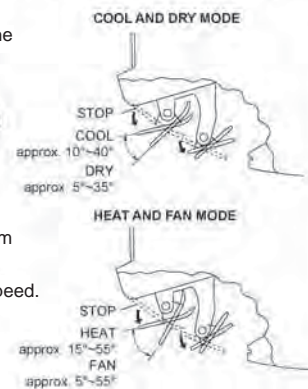
- When “SWING button” is selected, the louver swinging range depends on the operation mode. (See the figure.)

**Three-Dimensional (3-D) Airflow**

- Using three-dimensional airflow circulates cold air, which tends to collect at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

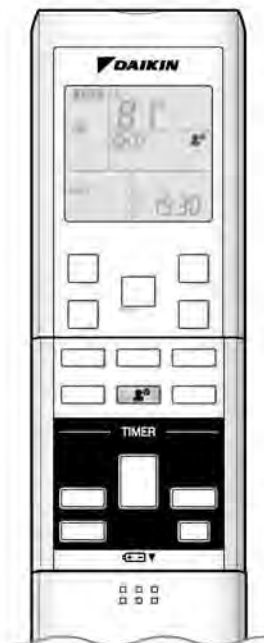
■ ATTENTION

- Always use a remote controller to adjust the angles of the louvers and fins. If you attempt to move them forcibly with your hand when it is swinging, the mechanism may break.
- Always use a remote controller to adjust the fin angles. Inside the air outlet, a fan is rotating at high speed.



## 3.7 INTELLIGENT EYE Operation


# INTELLIGENT EYE Operation



"INTELLIGENT EYE" is the infrared sensor which detects the human movement.


## ■ To start INTELLIGENT EYE operation

**1. Press**  .

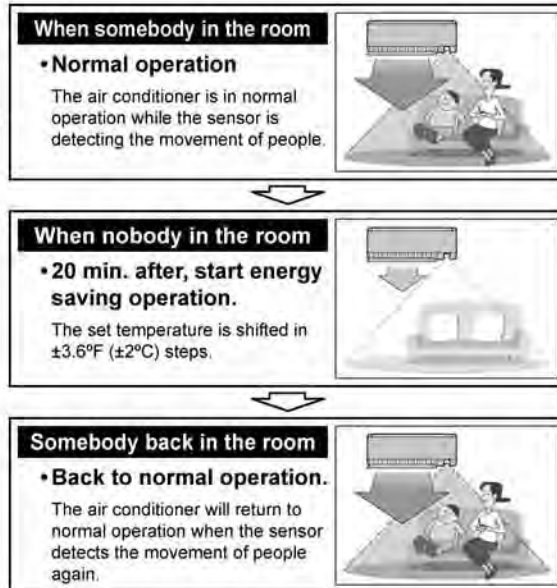
- "" displayed on the LCD.

## ■ To cancel the INTELLIGENT EYE operation

**2. Press**  again.

- "" disappears from the LCD.

[EX.]



## “INTELLIGENT EYE” is useful for Energy Saving

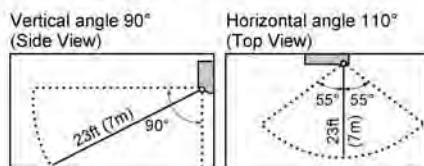
### ■ Energy saving operation

- Change the temperature  $-3.6^{\circ}\text{F}$  ( $-2^{\circ}\text{C}$ ) in HEAT /  $+3.6^{\circ}\text{F}$  ( $+2^{\circ}\text{C}$ ) in COOL /  $+1.8^{\circ}\text{F}$  ( $+1^{\circ}\text{C}$ ) in DRY mode from set temperature.
- Decrease the airflow rate slightly in FAN mode only.
- If no presence detected in the room for 20 minutes.

## NOTE

### ■ Notes on “INTELLIGENT EYE”

- Application range is as follows.



- Sensor may not detect moving objects further than 23ft (7m) away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during powerful operation.
- NIGHT SET MODE will not go on during use of INTELLIGENT EYE operation.

- The volume of air will be set to AUTO. If the upward and downward airflow direction is selected, the CONFORT AIRFLOW operation will be canceled.  
Priority is given to the function of whichever button is pressed last.

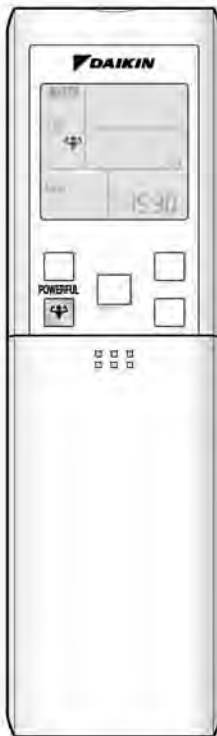
## CAUTION

- Do not place large objects near the sensor.  
Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

## 3.8 POWERFUL Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU

# POWERFUL Operation



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.

### ■ To start POWERFUL operation

Press  during operation.

- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- "POWERFUL" is displayed on the LCD.
- When using POWERFUL operation, there are some functions which are not available.

### ■ To cancel POWERFUL operation

Press  again.

- "POWERFUL" disappears from the LCD.

## NOTE

### ■ Notes on POWERFUL operation

- POWERFUL Operation cannot be used together with QUIET Operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the "POWERFUL" disappears from the LCD.
- **In COOL and HEAT mode**  
To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the airflow rate be fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY mode**  
The temperature setting is lowered by 4.5°F (2.5°C) and the airflow rate is slightly increased.
- **In FAN mode**  
The airflow rate is fixed to the maximum setting.
- **In AUTO mode**  
To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the airflow rate be fixed to the maximum setting.
- POWERFUL Operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.


FDXS09/12DVJU

# POWERFUL Operation

POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.

## ■ To start POWERFUL operation

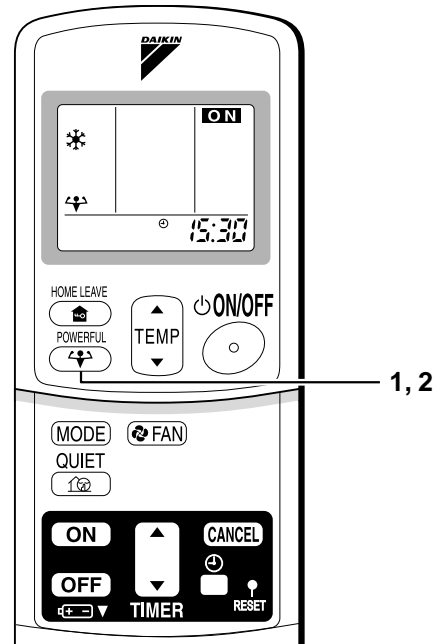
### 1. Press “POWERFUL button”.

- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the settings which were used before POWERFUL operation.
- When using POWERFUL operation, there are some functions which are not available.
- “” is displayed on the LCD.

## ■ To cancel POWERFUL operation


### 2. Press “POWERFUL button” again.

- “” disappears from the LCD.



## NOTE

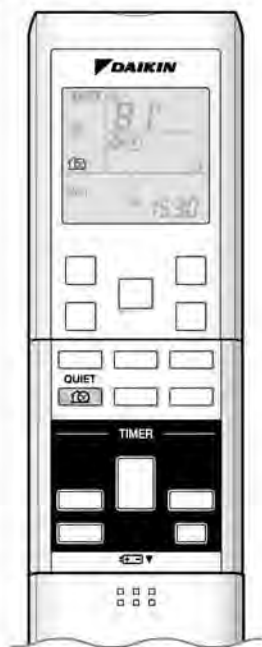
### ■ Notes on POWERFUL operation

- POWERFUL Operation cannot be used together with QUIET Operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the “” disappears from the LCD.
- **In COOL and HEAT mode**  
To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the air flow rate be fixed to the maximum setting.  
The temperature and air flow settings are not variable.
- **In DRY mode**  
The temperature setting is lowered by 4.5°F and the air flow rate is slightly increased.
- **In FAN mode**  
The air flow rate is fixed to the maximum setting.

### 3.9 OUTDOOR UNIT QUIET Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU


## OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during night.


#### ■ To start OUTDOOR UNIT QUIET operation

Press .

- "" is displayed on the LCD.


#### ■ To cancel OUTDOOR UNIT QUIET operation

Press  again.

- "" disappears from the LCD.

### NOTE

#### ■ Note on OUTDOOR UNIT QUIET operation

- If using a multi system, this function will work only when the OUTDOOR UNIT QUIET operation is set on all operated indoor units. However, if using priority-room setting, see "Note for multi system."
- This function is available in COOL, HEAT, and AUTO modes. (This is not available in FAN and DRY mode.)
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If operation is stopped using the remote controller or the main unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, "" will remain on the remote controller display.
- OUTDOOR UNIT QUIET Operation will drop neither the frequency nor fan speed if the frequency and fan speed have been already dropped low enough.

FDXS09/12DVJU

# OUTDOOR UNIT QUIET Operation

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during night.

## ■ To start OUTDOOR UNIT QUIET operation

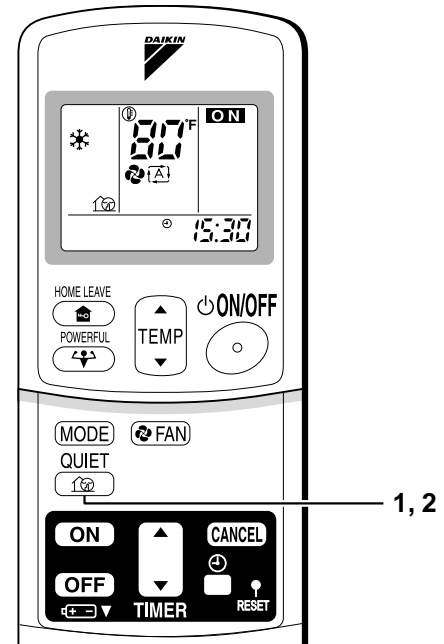
### 1. Press “QUIET button”.

- “” is displayed on the LCD.

## ■ To cancel OUTDOOR UNIT QUIET operation


### 2. Press “QUIET button” again.

- “” disappears from the LCD.



## NOTE

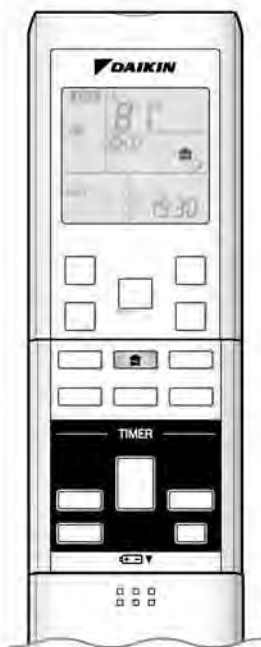
### ■ Note on OUTDOOR UNIT QUIET operation

- This function is available in COOL, HEAT, and AUTO modes. (This is not available in FAN and DRY modes.)
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If operation is stopped using the remote controller or the main unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.

## 3.10 HOME LEAVE Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU


# HOME LEAVE Operation



HOME LEAVE operation is a function which allows you to record your preferred temperature and airflow rate settings.

### ■ To start HOME LEAVE operation


#### 1. Press .

- "  " is displayed on the LCD.
- The HOME LEAVE lamp lights up.



### ■ To cancel HOME LEAVE operation





#### 2. Press again.





- "  " disappears from the LCD.
- The HOME LEAVE lamp goes off.

### Before using HOME LEAVE operation.

#### ■ To set the temperature and airflow rate for HOME LEAVE operation

When using HOME LEAVE operation for the first time, please set the temperature and airflow rate for HOME LEAVE operation. Record your preferred temperature and airflow rate.

|      | Initial setting |              | Selectable range |                                                                                                                                                                                                 |
|------|-----------------|--------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Temperature     | Airflow rate | Temperature      | Airflow rate                                                                                                                                                                                    |
| COOL | 77°F(25°C)      | AUTO         | 64-90°F(18-32°C) | 5 step, "  " and "  " |
| HEAT | 77°F(25°C)      | AUTO         | 50-86°F(10-30°C) | 5 step, "  " and "  " |

1. Press  . Make sure "  " is displayed in the remote controller display.
2. Adjust the set temperature with "  " or "  " as you like.
3. Adjust the airflow rate with "FAN" setting button as you like.

Home leave operation will run with these settings the next time you use the unit. To change the recorded information, repeat steps 1 - 3.



## ■ What's the HOME LEAVE operation?

Is there a set temperature and airflow rate which is most comfortable, a set temperature and airflow rate which you use the most? HOME LEAVE operation is a function that allows you to record your favorite set temperature and airflow rate. You can start your favorite operation mode simply by pressing the HOME LEAVE button on the remote controller. This function is convenient in the following situations.

### ■ Useful in these cases

#### 1. Use as an energy-saving mode.

Set the temperature 3-5°F(2-3°C) higher (COOL) or lower (HEAT) than normal. Setting the fan speed to the lowest setting allows the unit to be used in energy-saving mode. Also convenient for use while you are out or sleeping.

##### • Every day before you leave the house...



When you go out, push the "HOME LEAVE Operation" button, and the air conditioner will adjust capacity to reach the preset temperature for HOME LEAVE Operation.



When you return, you will be welcomed by a comfortably air conditioned room.



Push the "HOME LEAVE Operation" button again, and the air conditioner will adjust capacity to the set temperature for normal operation.

##### • Before bed...



Set the unit to HOME LEAVE Operation before leaving the living room when going to bed.



The unit will maintain the temperature in the room at a comfortable level while you sleep.



When you enter the living room in the morning, the temperature will be just right. Disengaging HOME LEAVE Operation will return the temperature to that set for normal operation. Even the coldest winters will pose no problem!

#### 2. Use as a favorite mode.

Once you record the temperature and airflow rate settings you most often use, you can retrieve them by pressing HOME LEAVE button. You do not have to go through troublesome remote controller operations.

## NOTE

- Once the temperature and airflow rate for HOME LEAVE operation are set, those settings will be used whenever HOME LEAVE operation is used in the future. To change these settings, please refer to the "Before using HOME LEAVE operation" section above.
- HOME LEAVE operation is only available in COOL and HEAT mode. It cannot be used in AUTO, DRY, and FAN mode.
- HOME LEAVE operation runs in accordance with the previous operation mode (COOL or HEAT) before using HOME LEAVE operation.
- HOME LEAVE operation and POWERFUL operation cannot be used at the same time. Last button that was pressed has priority.
- The operation mode cannot be changed while HOME LEAVE operation is being used.
- When operation is shut off during HOME LEAVE operation, using the remote controller or the indoor unit ON/OFF switch, "🏠" will remain on the remote controller display.


FDXS09/12DVJU

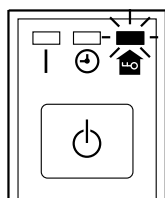
# HOME LEAVE Operation

HOME LEAVE operation is a function which allows you to record your preferred temperature and air flow rate settings.

## ■ To start HOME LEAVE operation


### 1. Press “HOME LEAVE button”.

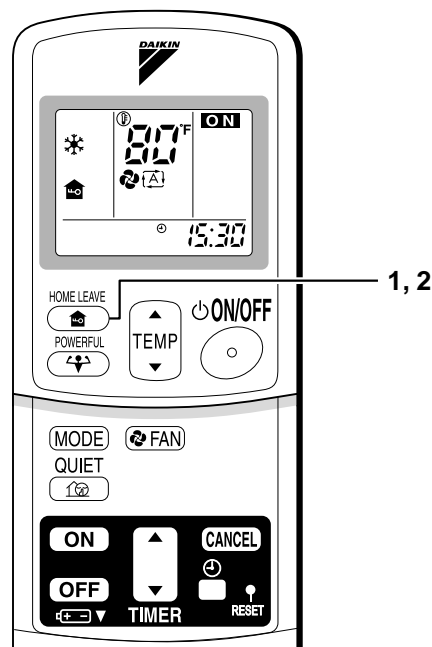
- “” is displayed on the LCD.
- The HOME LEAVE lamp lights up.



## ■ To cancel HOME LEAVE operation

### 2. Press “HOME LEAVE button” again.







- “” disappears from the LCD.
- The HOME LEAVE lamp goes off.




## Before using HOME LEAVE operation.

### ■ To set the temperature and air flow rate for HOME LEAVE operation

When using HOME LEAVE operation for the first time, please set the temperature and air flow rate for HOME LEAVE operation. Record your preferred temperature and air flow rate.

|         | Initial setting |                                                                                         | Selectable range |                                                                                                                                                                                             |
|---------|-----------------|-----------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Temperature     | Air flow rate                                                                           | Temperature      | Air flow rate                                                                                                                                                                               |
| Cooling | 77°F            | “  ” | 64-90°F          | 5 step, “  ” and “  ” |
| Heating | 77°F            | “  ” | 50-86°F          | 5 step, “  ” and “  ” |

1. Press “HOME LEAVE button”. Make sure “” is displayed in the remote controller display.
2. Adjust the set temperature with “▲” or “▼” as you like.
3. Adjust the air flow rate with “FAN” setting button as you like.

Home leave operation will run with these settings the next time you use the unit. To change the recorded information, repeat steps 1 – 3.

## ■ What's the HOME LEAVE operation?

Is there a set temperature and air flow rate which is most comfortable, a set temperature and air flow rate which you use the most? HOME LEAVE operation is a function that allows you to record your favorite set temperature and air flow rate. You can start your favorite operation mode simply by pressing the HOME LEAVE button on the remote controller. This function is convenient in the following situations.

### ■ Useful in these cases

#### 1. Use as an energy-saving mode.

Set the temperature 4-5°F higher (cooling) or lower (heating) than normal. Setting the fan strength to the lowest setting allows the unit to be used in energy-saving mode. Also convenient for use while you are out or sleeping.

##### • Every day before you leave the house...



When you go out, push the "HOME LEAVE Operation" button, and the air conditioner will adjust capacity to reach the preset temperature for HOME LEAVE Operation.



When you return, you will be welcomed by a comfortably air conditioned room.



Push the "HOME LEAVE Operation" button again, and the air conditioner will adjust capacity to the set temperature for normal operation.

##### • Before bed...



Set the unit to HOME LEAVE Operation before leaving the living room when going to bed.



The unit will maintain the temperature in the room at a comfortable level while you sleep.



When you enter the living room in the morning, the temperature will be just right. Disengaging HOME LEAVE Operation will return the temperature to that set for normal operation. Even the coldest winters will pose no problem!

#### 2. Use as a favorite mode.

Once you record the temperature and air flow rate settings you most often use, you can retrieve them by pressing HOME LEAVE button. You do not have to go through troublesome remote controller operations.

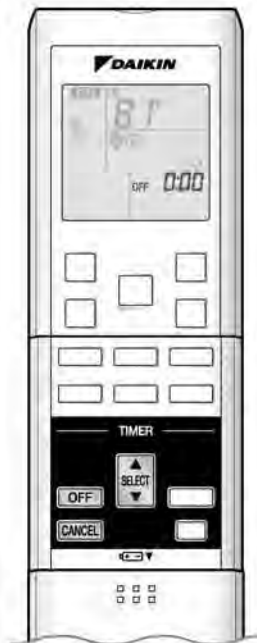
### NOTE

- Once the temperature and air flow rate for HOME LEAVE operation are set, those settings will be used whenever HOME LEAVE operation is used in the future. To change these settings, please refer to the "Before using HOME LEAVE operation" section above.
- HOME LEAVE operation is only available in COOL and HEAT mode. Cannot be used in AUTO, DRY, and FAN mode.
- HOME LEAVE operation runs in accordance with the previous operation mode (COOL or HEAT) before using HOME LEAVE operation.
- HOME LEAVE operation and POWERFUL operation cannot be used at the same time. Last button that was pressed has priority.
- The operation mode cannot be changed while HOME LEAVE operation is being used.
- When operation is shut off during HOME LEAVE operation, using the remote controller or the indoor unit ON/OFF switch, "🏠" will remain on the remote controller display.

## 3.11 TIMER Operation

CTXS07JVJU, CTXS09/12HVJU, FTXS15/18HVJU

# TIMER Operation

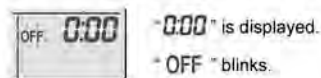


Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

### ■ To use OFF TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time.

#### 1. Press **OFF**.



#### 2. Press **SELECT** until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

#### 3. Press **OFF** again.

- The TIMER lamp lights up.



Control panel

### ■ To cancel OFF TIMER Operation

Press **CANCEL**.

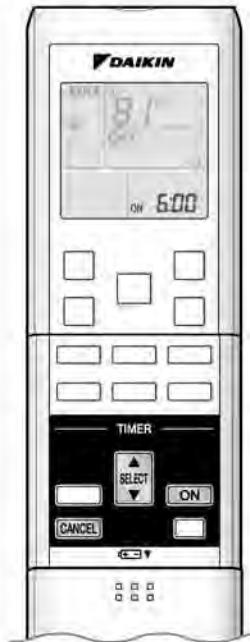
- The TIMER lamp goes off.

### NOTE

- When TIMER is set, the present time is not displayed.
- Once you set ON, OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote controller batteries are replaced.)
- When operating the unit via the ON/OFF Timer, the actual length of operation may vary from the time entered by the user. (Maximum approx. 10 minutes)

#### ■ NIGHT SET MODE

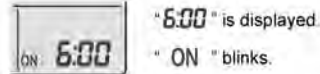
- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9°F(0.5°C) up in COOL, 3.6°F(2.0°C) down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.



### ■ To use ON TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time.

#### 1. Press **ON**.

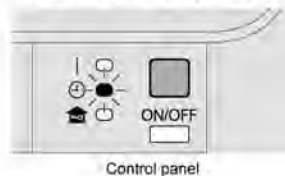


#### 2. Press **SELECT** until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

#### 3. Press **ON** again.

- The TIMER lamp lights up.



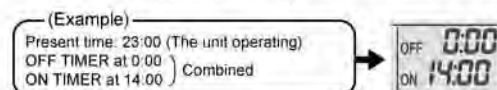
### ■ To cancel ON TIMER Operation

Press **CANCEL**.

- The TIMER lamp goes off.

### ■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the two timers is shown below.



### ATTENTION

#### ■ In the following cases, set the timer again.

- After a breaker has turned OFF.
- After a power failure.
- After replacing batteries in the remote controller.

FDXS09/12DVJU

# TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

## ■ To use OFF TIMER operation

- Check that the clock is correct. If not, set the clock to the present time.

### 1. Press “OFF TIMER button”.

0:00 is displayed.

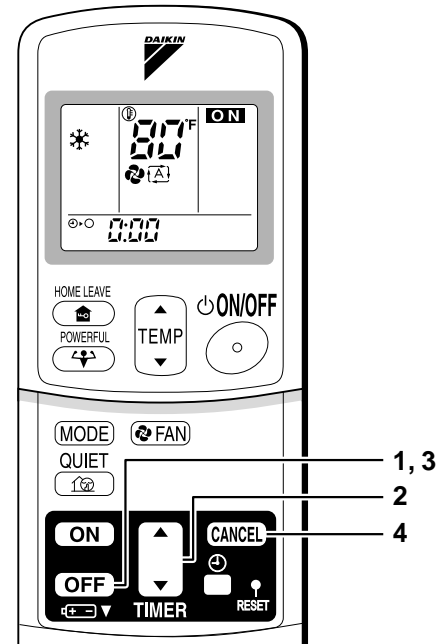
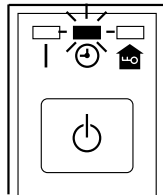
⊖○ blinks.

### 2. Press “TIMER Setting button” until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

### 3. Press “OFF TIMER button” again.

- The TIMER lamp lights up.



## ■ To cancel the OFF TIMER operation

### 4. Press “CANCEL button”.

- The TIMER lamp goes off.

## NOTE

- When TIMER is set, the present time is not displayed.
- Once you set ON, OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote controller batteries are replaced.)
- When operating the unit via the ON/OFF Timer, the actual length of operation may vary from the time entered by the user. (Maximum approx. 10 minutes)

### ■ NIGHT SET MODE

When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (1°F up in COOL, 4°F down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

## ■ To use ON TIMER operation

- Check that the clock is correct. If not, set the clock to the present time.

### 1. Press “ON TIMER button”.

5:00 is displayed.

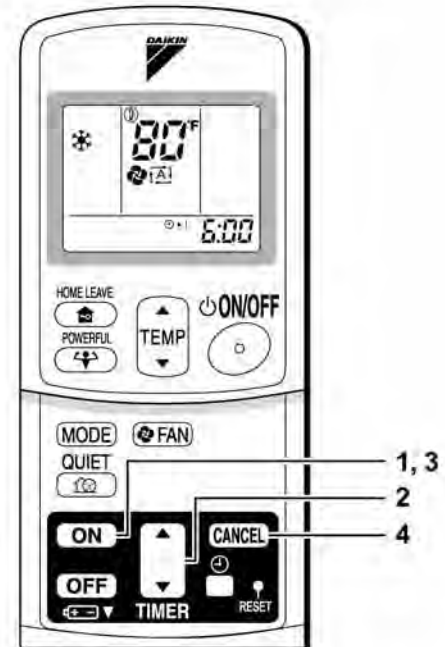
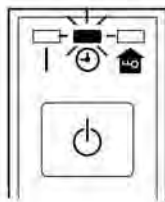
- The timer icon blinks.

### 2. Press “TIMER Setting button” until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

### 3. Press “ON TIMER button” again.

- The TIMER lamp lights up.



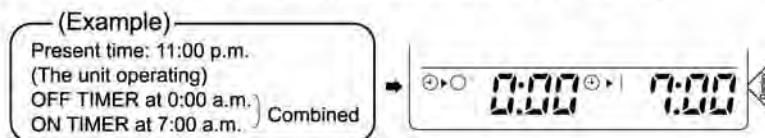
## ■ To cancel ON TIMER operation

### 4. Press “CANCEL button”.

- The TIMER lamp goes off.

## ■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the two timers is shown below.



## ATTENTION

### ■ In the following cases, set the timer again.

- After a breaker has turned OFF.
- After a power failure.
- After replacing batteries in the remote controller.



## 3.12 Note for Multi System

# Note for Multi System

### What is a "Multi System"?

This system has one outdoor unit connected to multiple indoor units.

#### ■ Selecting the Operation Mode

##### 1. With the Priority Room Setting present but inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.

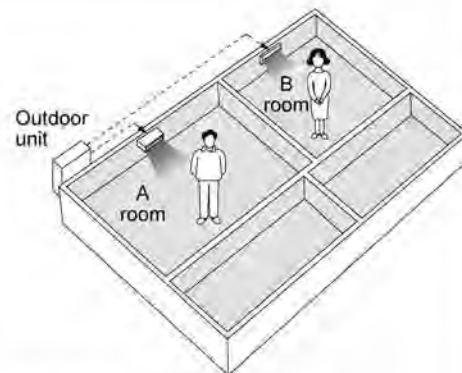
In this case, set the units that are turned on later to the same operation mode (\*1) as the first unit.

Otherwise, they will enter the Standby Mode, and the operation lamp will flash; this does not indicate malfunction.

(\*1)

- COOL, DRY and FAN mode may be used at the same time.
- AUTO mode automatically selects COOL mode or HEAT mode based on the room temperature.

Therefore, AUTO mode is available when selecting the same operation mode as that of the room with the first unit to be turned on.



### ⚠ CAUTION

- Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.

If the operation mode of the first room is **FAN Mode**, then using **HEAT Mode** in any room after this will give priority to **HEAT**. In this situation, the air conditioner running in FAN Mode will go on standby, and the operation lamp will flash.

##### 2. With the Priority Room Setting active.

See "Priority Room Setting" on the next page.

#### ■ NIGHT QUIET Mode (Available only for COOL operation)

NIGHT QUIET Mode requires initial programming during installation. Please consult your retailer or dealer for assistance.

NIGHT QUIET Mode reduces the operation noise of the outdoor unit during the nighttime hours to prevent annoyance to neighbors.

- The NIGHT QUIET Mode is activated when the temperature drops 9°F (5°C) or more below the highest temperature recorded that day. Therefore, when the temperature difference is less than 9°F (5°C), this function will not be activated.
- NIGHT QUIET Mode reduces slightly the cooling efficiency of the unit.

#### ■ OUTDOOR UNIT QUIET Operation

##### 1. With the Priority Room Setting present but inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the Multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.

However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.

We recommend you release all rooms using their remote controllers.

##### 2. With the Priority Room Setting active.

See "Priority Room Setting" on the next page.

#### ■ COOL / HEAT Mode Lock

The COOL / HEAT Mode Lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL / HEAT Mode Lock sets the unit forcibly to either COOL or HEAT Mode. This function is convenient when you wish to set all indoor units connected to the Multi system to the same operation mode.



## ■ Priority Room Setting

The Priority Room Setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the Priority Room takes priority in the following situations:

### 1. Operation Mode Priority.

As the operation mode of the Priority Room takes precedence, the user can select a different operation mode from other rooms.

< Example >

\* Room A is the Priority Room in the examples.

When COOL mode is selected in Room A while operating the following modes in Room B:

| Operation mode in Room B | Status of Room B when the unit in Room A is in COOL mode                                                                                                               |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL or DRY or FAN       | Current operation mode maintained                                                                                                                                      |
| HEAT                     | The unit enters Standby Mode. Operation resumes when the Room A unit stops operating.                                                                                  |
| AUTO                     | If the unit is set to COOL mode, operation continues. If the unit is set to HEAT mode, it enters Standby Mode. Operation resumes when the Room A unit stops operating. |

### 2. Priority when POWERFUL operation is used.

< Example >

\* Room A is the Priority Room in the examples.

The indoor units in Rooms A and B are all operating. If the unit in Room A enters POWERFUL operation, operation capacity will be concentrated in Room A. In such a case, the cooling (heating) efficiency of the units in Room B may be slightly reduced.

### 3. Priority when using OUTDOOR UNIT QUIET operation.

< Example >

\* Room A is the Priority Room in the examples.

Just by setting the unit in Room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You don't have to set all the operated indoor units to QUIET operation.

### 3.13 Care and Cleaning

CTXS07JVJU, CTXS09/12HVJU

## Care and Cleaning



### CAUTION

Before cleaning, be sure to stop the operation and turn the breaker off.

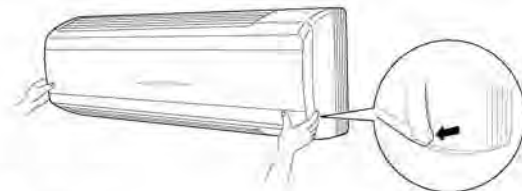
### Units

- Indoor unit, outdoor unit and remote controller  
Wipe them with a soft cloth when dirty.

### Front panel

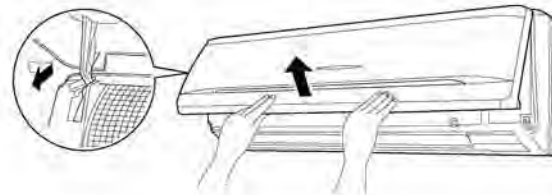
#### 1. Open the front panel.

- Hold the front panel by the panel tabs on the both sides and open it.



#### 2. Remove the front panel.

- Slide the front panel to either the left or right and pulling it toward you.  
This will disconnect the rotation dowel on one side.
- Disconnect the front panel shaft on the other side in the same manner.

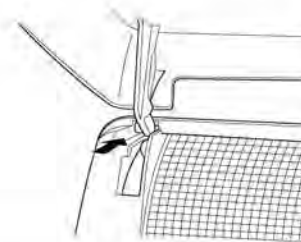


#### 3. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- If you wash the panel with water, wipe it with a dry soft cloth, and allow to dry in the shade.

#### 4. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.
- Close the front panel slowly. (Press the panel at both sides and the center.)



### CAUTION

- When the packaging materials are attached to the front panel, please remove them.
- Do not touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 104°F (40°C), benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

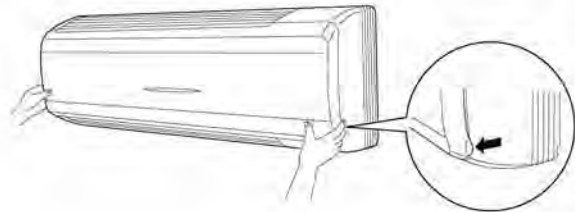


## Filters

### 1. Open the front panel.

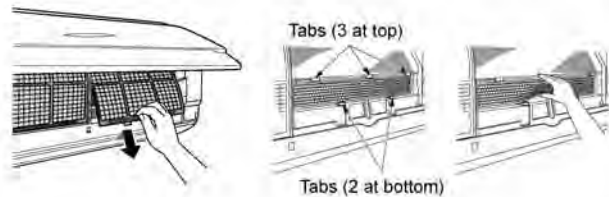
### 2. Pull out the air filters.

- Push a little upwards the tab at the center of each air filter, then pull it down.



### 3. Take off the air-purifying filter with photocatalytic deodorizing function.

- Press the top of the air-cleaning filter onto the tabs (3 at top). Then press the bottom of the filter up slightly, and press it onto the tabs (2 at bottom).

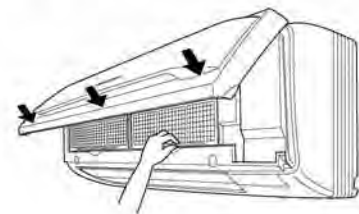


### 4. Clean or replace each filter.

See figure.

### 5. Set the air filter and the air-purifying filter with photocatalytic deodorizing function as they were and close the front panel.

- Press the front panel at both sides and the center.



## ⚠ CAUTION

- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter.

# Care and Cleaning

## Air filter

**Wash the air filters with water or clean them with vacuum cleaner.**

- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- It is recommended to clean the air filters every 2 weeks.



## Air-purifying filter with photocatalytic deodorizing function

The air-purifying filter with photocatalytic deodorizing function can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

### [Maintenance]

**1. Vacuum dust, and soak in warm water or water for about 10 to 15 minutes if dirt is heavy.**

- Do not remove filter from frame when washing with water.

**2. After washing, shake off remaining water and dry in the shade.**

- Since the material is made out of paper, do not wring out the filter when removing water from it.

### [Replacement]

**1. Remove the tabs on the filter frame and replace with a new filter.**

- Dispose of the old filters as flammable waste.

**NOTE**

- Operation with dirty filters:
  - 1) cannot deodorize the air.
  - 2) cannot clean the air,
  - 3) results in poor heating or cooling,
  - 4) may cause odor.
- To order air-purifying filter with photocatalytic deodorizing function contact to the service shop there you purchased the air conditioner.
- Dispose of the old filters as flammable waste.

| Item                                                                                | Part No.  |
|-------------------------------------------------------------------------------------|-----------|
| Air-purifying filter with photocatalytic deodorizing function (without frame) 1 set | KAF952A42 |

**ATTENTION**

- Do not throw away the filter frame. Reuse the filter frame when replacing the air-purifying filter with photocatalytic deodorizing function.

**CHECK**

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

**Before a long idle period**

- 1. Operate the FAN only for several hours on a nice day to dry out the inside.**
  - Press **MODE** and select "🌀" operation.
  - Press **ON/OFF** and start operation.
- 2. After operation stops, turn off the breaker for the room air conditioner.**
- 3. Clean the air filters and set them again.**
- 4. Take out batteries from the remote controller.**

FTXS15/18HVJU

# Care and Cleaning



## CAUTION

Before cleaning, be sure to stop the operation and turn the breaker OFF.

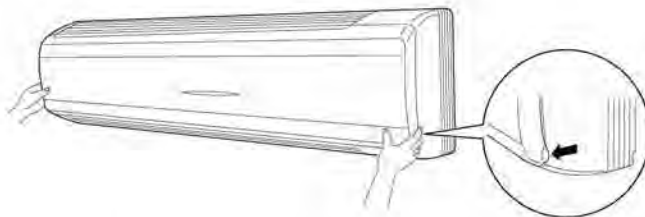
### Units

- Indoor unit, Outdoor unit and Remote controller  
Wipe them with dry soft cloth.

### Front panel

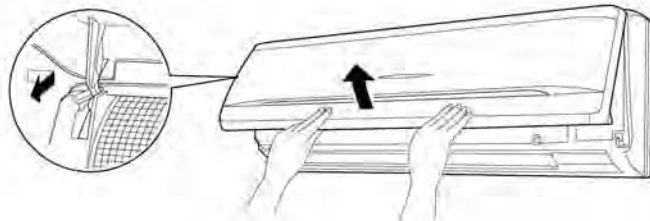
#### 1. Open the front panel.

- Hold the panel by the tabs on the two sides and lift it until it stops with a click.



#### 2. Remove the front panel.

- Open the front panel further while sliding it to either the left or right and pulling it toward you. This will disconnect the rotation dowel on one side. Then disconnect the rotation dowel on the other side in the same manner.

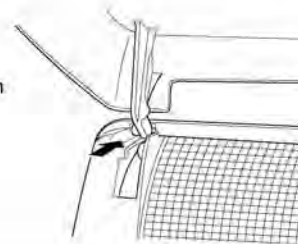


#### 3. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.
- In case of washing the panel with water, wipe it with dry soft cloth, dry it up in the shade after washing.

#### 4. Attach the front panel.

- Align the rotation dowels on the left and right of the front panel with the slots, then push them all the way in.
- Close the front panel slowly. (Press the panel at both sides and the center.)



## CAUTION

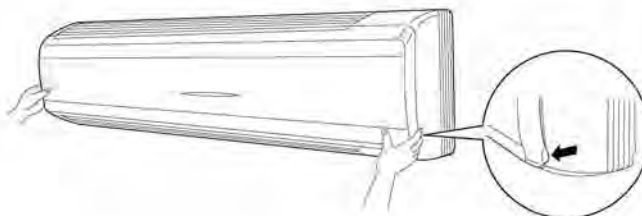
- Do not touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 104°F(40°C), benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

## Filters

### 1. Open the front panel.

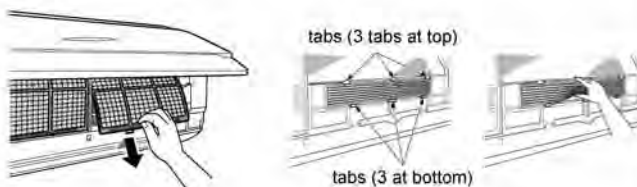
### 2. Pull out the air filters.

- Push a little upwards the tab at the center of each air filter, then pull it down.



### 3. Take off the Air-purifying filter with photocatalytic deodorizing function.

- Press the top of the aircleaning filter onto the tabs (3 tabs at top). Then press the bottom of the filter up slightly, and press it onto the tabs (3 at bottom).

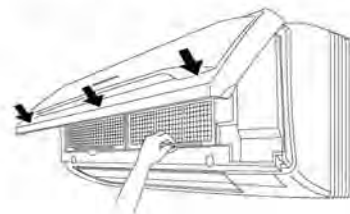


### 4. Clean or replace each filter.

See figure.

### 5. Set the air filter and the Air-purifying filter with photocatalytic deodorizing function as they were and close the front panel.

- Press the front panel at both sides and the center.



## ⚠ CAUTION

- Do not touch the aluminum fins by bare hand at the time of dismantling or mounting the filter.

# Care and Cleaning

## Air Filter

**Wash the air filters with water or clean them with vacuum cleaner.**

- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- It is recommended to clean the air filters every 2 weeks.



## Air-purifying filter with photocatalytic deodorizing function

The Air-purifying filter with photocatalytic deodorizing function can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

### [ Maintenance ]

- 1. Vacuum dusts, and soak in warm water or water for about 10 to 15 minutes if dirt is heavy.**
- 2. Do not remove filter from frame when washing with water.**
- 3. After washing, shake off remaining water and dry in the shade.**
- 4. Since the material is made out of paper, do not wring out the filter when removing water from it.**

### [ Replacement ]

- 1. Remove the tabs on the filter frame and replace with a new filter.**

- Dispose of the old filter as flammable waste.



**NOTE**

- Operation with dirty filters:
  - 1) cannot deodorize the air.
  - 2) cannot clean the air.
  - 3) results in poor HEAT or COOL.
  - 4) may cause odour.
- To order Air-purifying filter with photocatalytic deodorizing function contact to the service shop there you bought the air conditioner.
- Dispose of old filters as flammable waste.

| Item                                                                                | Part No.  |
|-------------------------------------------------------------------------------------|-----------|
| Air-purifying filter with photocatalytic deodorizing function (without frame) 1 set | KAF952A42 |



**ATTENTION**

- Do not throw away the filter frame. Reuse the filter frame when replacing the Air-purifying filter with photocatalytic deodorizing function.

**CHECK**

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

**Before a long idle period**

- 1. Operate the “FAN only” for several hours on a fine day to dry out the inside.**
  - Press **MODE** and select “” operation.
  - Press  and start operation.
- 2. After operation stops, turn off the breaker for the room air conditioner.**
- 3. Clean the air filters and set them again.**
- 4. Take out batteries from the remote controller.**

FDXS09/12DVJU

# Care and Cleaning

- ⚠ CAUTION**
- Only a qualified service person is allowed to perform maintenance.
  - Before cleaning, be sure to stop the operation and turn the breaker OFF.

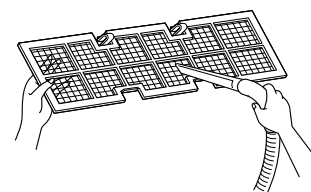
## ■ Cleaning the air filter

### 1. Removing the air filter.

- Rear suction  
Pull the bottom side of the air filter backwards, over the 2 bends.
- Bottom suction  
Pull the filter over the 2 bends situated at the backside of the unit.

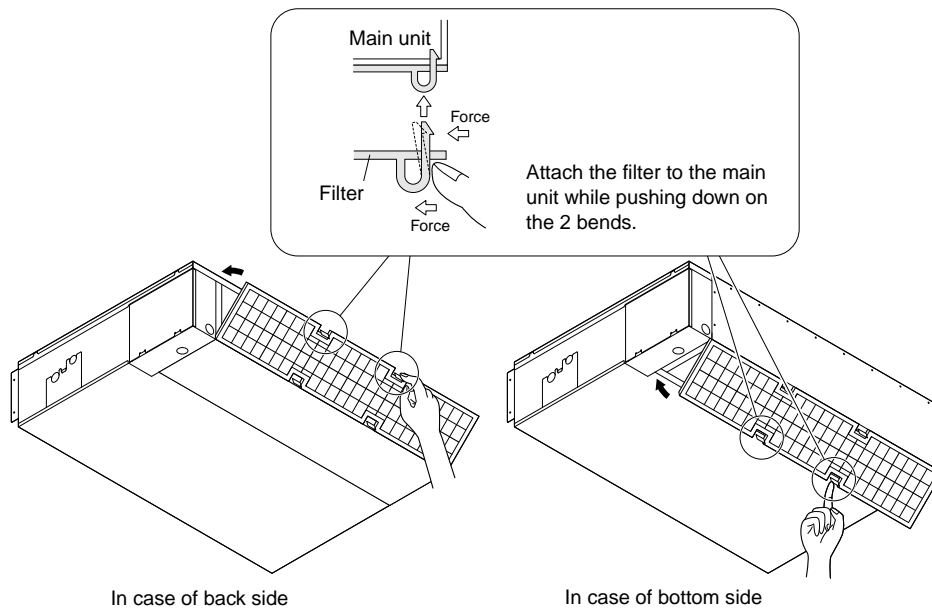
### 2. Cleaning the air filter.

Remove dust from the air filter using a vacuum cleaner and gently rinse them in cool water. Do not use detergent or hot water to avoid filter shrinking or deformation. After cleaning dry them in the shade.



### 3. Replacing the air filter.

- Rear suction  
Hook the filter behind the flap situated at the top of the unit and push the other side gently over the 2 bends.
- Bottom suction  
Hook the filter behind the flap situated at the middle of the unit and push the other side gently over the 2 bends.



## ■ Cleaning the drain pan

- Clean the drain pan periodically, or drain piping may be clogged with dust and may result in water leakage. Ask your DAIKIN dealer to clean them.
- Prepare a cover locally to prevent any dust in the air around the indoor unit from getting in the drain pan, if there is a great deal of dust present.

### CAUTION

- Do not operate the air conditioner without filters, this to avoid dust accumulation inside the unit.
- Do not remove the air filter except when cleaning. Unnecessary handling may damage the filter.
- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy.
- The suction grille is option.
- Do not use water or air of 122°F or higher for cleaning air filters and outside panels.
- Ask your DAIKIN dealer how to clean it.

### Check

|                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.                                                                                             |
| Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.                                                                                          |
| Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.                                                                                                    |
| <ul style="list-style-type: none"> <li>• If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.</li> </ul> |

## ■ Before a long idle period

- 1. Operate the “FAN only” for several hours on a fine day to dry out the inside.**
  - Press “MODE selector button” and select “FAN” operation.
  - Press “ON/OFF button” and start operation.
- 2. Clean the air filters and set them again.**
- 3. Take out batteries from the remote controller.**
- 4. Turn OFF the breaker for the room air conditioner.**

### 3.14 Troubleshooting

## Trouble Shooting

### These cases are not troubles.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

| Case                                                                                                                                                                                                       | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operation does not start soon.</b> <ul style="list-style-type: none"> <li>When ON/OFF button was pressed soon after operation was stopped.</li> <li>When the mode was reselected.</li> </ul>            | <ul style="list-style-type: none"> <li>This is to protect the air conditioner. You should wait for about 3 minutes.</li> </ul>                                                                                                                                                                                                                                                                                                                     |
| <b>Hot air does not flow out soon after the start of heating operation.</b>                                                                                                                                | <ul style="list-style-type: none"> <li>The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)</li> </ul>                                                                                                                                                                                                                        |
| <b>The heating operation stops suddenly and a flowing sound is heard.</b>                                                                                                                                  | <ul style="list-style-type: none"> <li>The system is taking away the frost on the outdoor unit. You should wait for about 4 to 12 minutes.</li> </ul>                                                                                                                                                                                                                                                                                              |
| <b>The outdoor unit emits water or steam.</b>                                                                                                                                                              | <ul style="list-style-type: none"> <li>In HEAT mode           <ul style="list-style-type: none"> <li>The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.</li> </ul> </li> <li>In COOL or DRY mode           <ul style="list-style-type: none"> <li>Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.</li> </ul> </li> </ul>                     |
| <b>Mist comes out of the indoor unit.</b>                                                                                                                                                                  | <ul style="list-style-type: none"> <li>This happens when the air in the room is cooled into mist by the cold airflow during cooling operation.</li> <li>This is because the air in the room is cooled by the heat exchanger and becomes mist during defrost operation.</li> </ul>                                                                                                                                                                  |
| <b>The indoor unit gives out odour.</b>                                                                                                                                                                    | <ul style="list-style-type: none"> <li>This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the airflow. (If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)</li> </ul>                                                                                                                    |
| <b>The outdoor fan rotates while the air conditioner is not in operation.</b>                                                                                                                              | <ul style="list-style-type: none"> <li>After operation is stopped:           <ul style="list-style-type: none"> <li>The outdoor fan continues rotating for another 60 seconds for system protection.</li> </ul> </li> <li>While the air conditioner is not in operation:           <ul style="list-style-type: none"> <li>When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.</li> </ul> </li> </ul> |
| <b>The operation stopped suddenly. (OPERATION lamp is on.)</b>                                                                                                                                             | <ul style="list-style-type: none"> <li>For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.</li> </ul>                                                                                                                                                                                                                                      |
| <b>No remote controller signals are displayed.</b><br><b>The remote controller sensitivity is low.</b><br><b>The display is low in contrast or blacked out.</b><br><b>The display runs out of control.</b> | <ul style="list-style-type: none"> <li>The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new size batteries, AAA.LR03 (alkaline). For details, refer to "To set the batteries" of this manual.</li> </ul>                                                                                                                                                                                        |

**Check again.**

Please check again before calling a repair person.

| Case                                                                  | Check                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The air conditioner does not operate. (OPERATION lamp is off.)</p> | <ul style="list-style-type: none"> <li>• Hasn't a breaker turned OFF or a fuse blown?</li> <li>• Isn't it a power failure?</li> <li>• Are batteries set in the remote controller?</li> <li>• Is the timer setting correct?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Cooling (Heating) effect is poor.</p>                              | <ul style="list-style-type: none"> <li>• Are the air filters clean?</li> <li>• Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?</li> <li>• Is the temperature setting appropriate?</li> <li>• Are the windows and doors closed?</li> <li>• Are the airflow rate and the air direction set appropriately?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <p>Operation stops suddenly. (OPERATION lamp flashes.)</p>            | <ul style="list-style-type: none"> <li>• Are the air filters clean?</li> <li>• Is there anything to block the air inlet or the outlet of the indoor and the outdoor units? Clean the air filters or take all obstacles away and turn the breaker OFF. Then turn it ON again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you bought the air conditioner.</li> <li>• Are operation modes all the same for indoor units connected to outdoor units in the <b>multi system</b>?<br/>If not, set all indoor units to the same operating mode and confirm that the lamps blink. Moreover, when the operating mode is in "AUTO", set all indoor unit operating modes to "COOL" or "HEAT" for a moment and check again that the lamps are normal. If the lamps stop blinking after the above steps, there is no malfunction.</li> </ul> |
| <p>An abnormal functioning happens during operation.</p>              | <ul style="list-style-type: none"> <li>• The air conditioner may malfunction with lightning or radio waves. Turn the breaker OFF, turn it ON again and try operating the air conditioner with the remote controller.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <p>The flap does not start swinging immediately.</p>                  | <ul style="list-style-type: none"> <li>• The air conditioner is adjusting the flap position. The flap will start moving soon.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

# Trouble Shooting


- Call the service shop immediately.

## WARNING

- When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker OFF.  
Continued operation in an abnormal condition may result in troubles, electric shocks or fire.  
Consult the service shop where you bought the air conditioner.
- Do not attempt to repair or modify the air conditioner by yourself.  
Incorrect work may result in electric shocks or fire.  
Consult the service shop where you bought the air conditioner.

If one of the following symptoms takes place, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the earth leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn the breaker OFF and call the service shop. 

- After a power failure

The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

- Lightning

If lightning may strike the neighbouring area, stop operation and turn the breaker OFF for system protection.

- We recommend periodical maintenance.

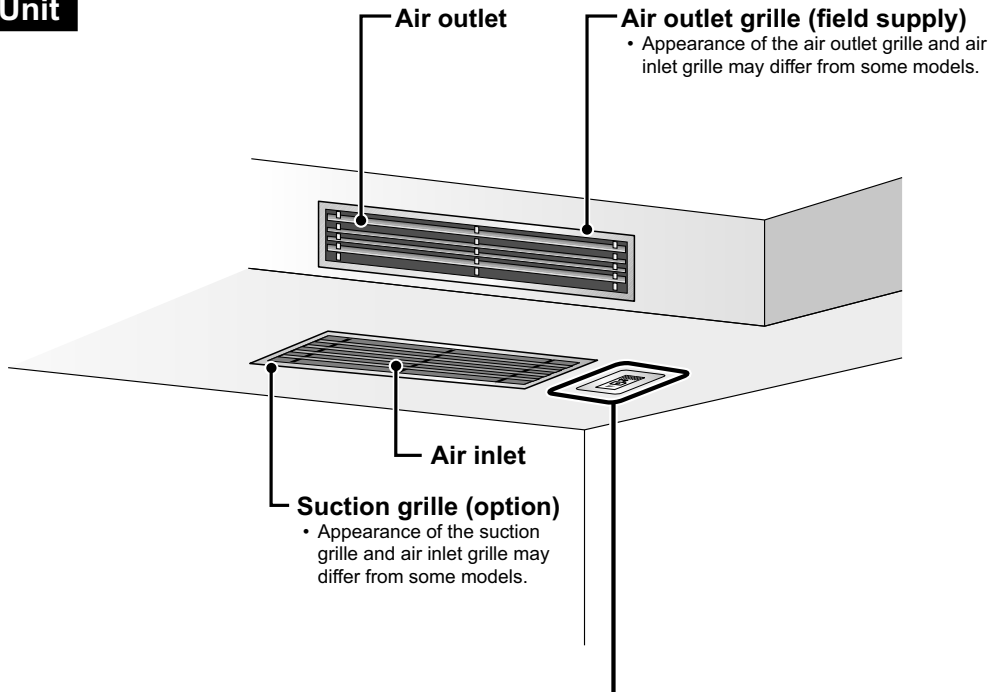
In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner. The maintenance cost must be born by the user.

## 4. CDXS, FDXS Series

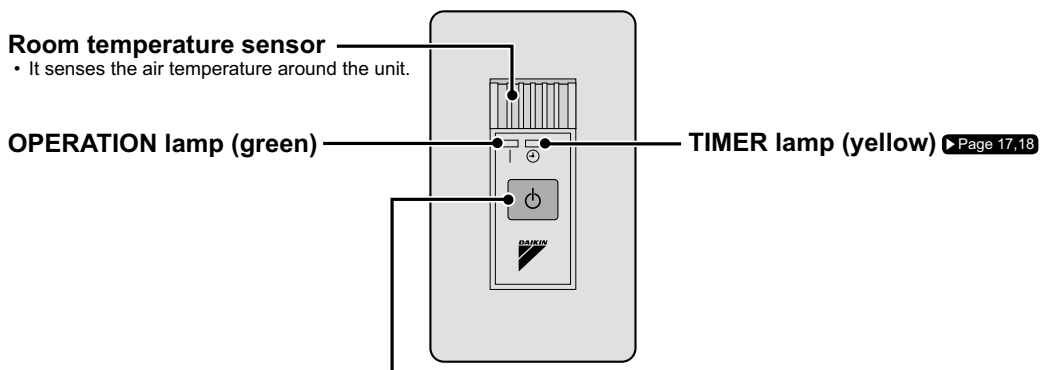
### 4.1 Names of Parts

# Names of Parts

#### Indoor Unit



#### Receiver



#### Indoor unit ON/OFF switch

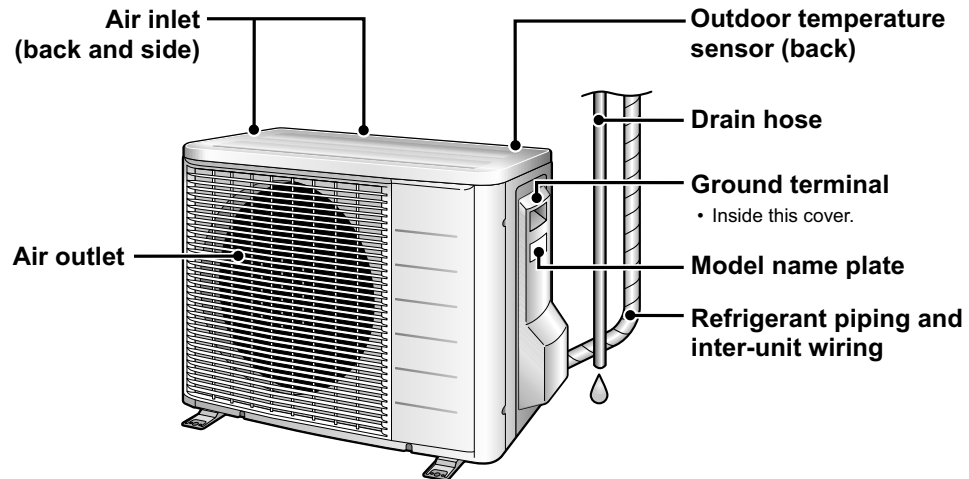
- Press this switch once to start operation.  
Press once again to stop it.
- The operation mode refers to the following table.

| Mode | Temperature setting | Airflow rate |
|------|---------------------|--------------|
| AUTO | 77°F (25°C)         | AUTO         |

- This switch is useful when the remote controller is missing.

## Outdoor Unit

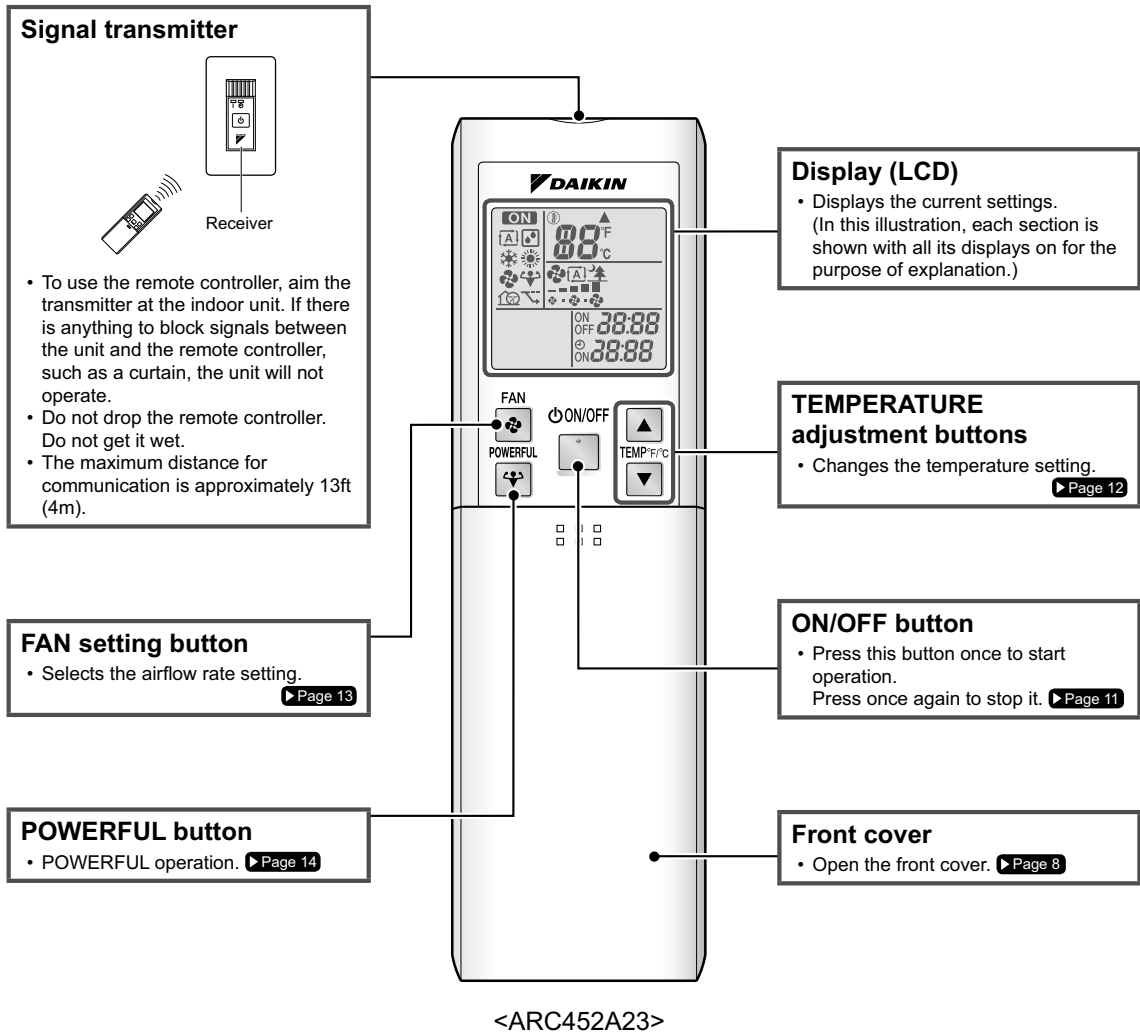
- Appearance of the outdoor unit may differ from some models.



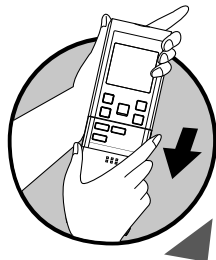


# Names of Parts

## Remote Controller



■ Open the front cover



**MODE selector button**

• Selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN) ▶Page 11

**QUIET button**  
• OUTDOOR UNIT QUIET operation. ▶Page 15

**ECONO button**  
• ECONO operation. ▶Page 16

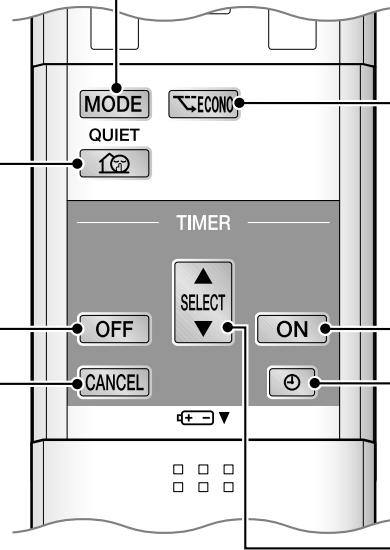
**OFF TIMER button**  
▶Page 17

**ON TIMER button**  
▶Page 18

**TIMER CANCEL button**  
• Cancels the timer setting. ▶Page 17,18

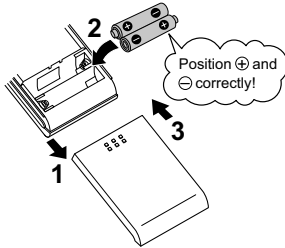
**CLOCK button** ▶Page 10

**SELECT button**  
• Changes the ON/OFF TIMER settings. ▶Page 17,18



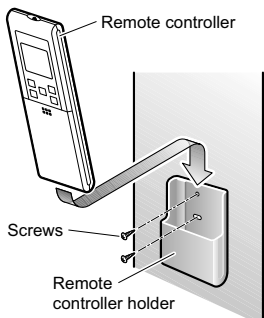
## 4.2 Preparation before Operation

# Preparation before Operation



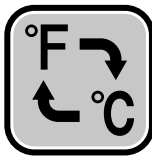
### ■ To set the batteries

1. Slide the front cover to take it off.
2. Set two dry batteries AAA.LR03 (alkaline).
3. Set the front cover as before.



### ■ To fix the remote controller holder on the wall

1. Choose a place from where the signals reach the unit.
2. Fix the holder to a wall, a pillar, etc. with the screws supplied with the holder.
3. Place the remote controller in the remote controller holder.



### ■ Celsius/Fahrenheit display switch

- The Celsius or Fahrenheit display is selectable with the following buttons.

Press  and  simultaneously for 5 seconds.

- The temperature will be displayed in Fahrenheit if it is presently displayed in Celsius, and vice versa.

## NOTE

### ■ Notes on batteries

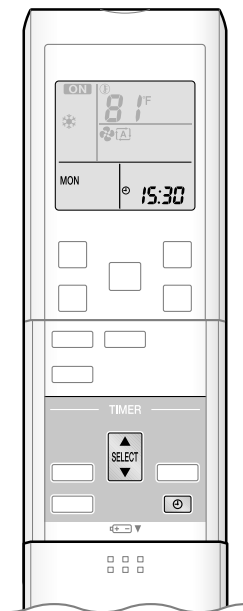
- When replacing the batteries, use batteries of the same type, and replace both batteries at the same time.
  - When the system is not used for a long time, take the batteries out.
  - The batteries will last for approximately 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, size AAA.LR03 (alkaline).
  - The attached batteries are provided for the initial use of the system.
- The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

### ■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with a soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance somewhere else, or consult the service shop.

### ■ Celsius/Fahrenheit display change function of remote controller

- The set temperature may increase when the display is changed to Celsius from Fahrenheit, because a fraction of 0.5°C is rounded up.
  - Example: A set temperature of 65°F (equivalent to 18.5°C) will be converted into 19°C.
- When the display is changed to Fahrenheit again, the set temperature will be converted into 66°F (equivalent to 19°C) instead of the original set temperature (65°F) but a set temperature of 66°F (equivalent to 19°C) will be converted into 19°C with no temperature change.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Celsius/Fahrenheit display change function.



### ■ Turn the breaker on

### ■ To set the clock

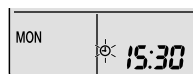
#### 1. Press .



"0:00" is displayed.  
"MON" and "⏻" blink.

#### 2. Press to set the current day of the week.

#### 3. Press .



"⏻" blinks.

#### 4. Press to set the clock to the present time.

- Holding down ▲ or ▼ rapidly increases or decreases the time display.

#### 5. Press .

- Point the remote controller at the indoor unit when pressing the buttons.

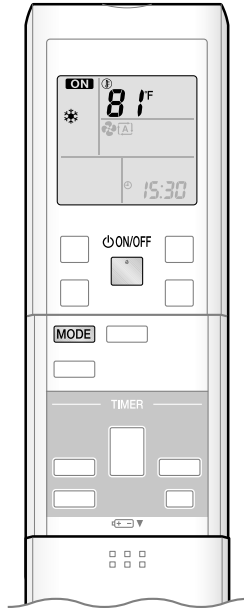


":" blinks.

4.3 AUTO · DRY · COOL · HEAT · FAN Operation



# AUTO · DRY · COOL · HEAT · FAN Operation

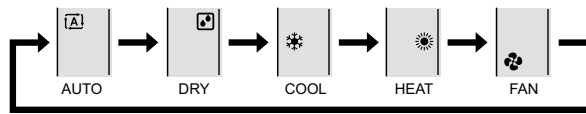


The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

**To start operation**

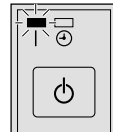
**1. Press **MODE** and select an operation mode.**

- Each pressing of the button advances the mode setting in sequence.



**2. Press **ON/OFF**.**

- "ON" is displayed on the LCD.
- The OPERATION lamp lights green.



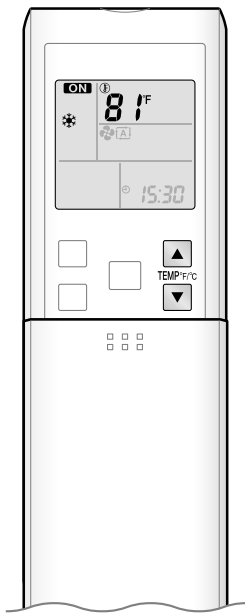
**To stop operation**

**Press **ON/OFF** again.**


- "ON" is no longer displayed on the LCD.
- The OPERATION lamp goes off.

**NOTE**

| MODE | Notes on each operation mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HEAT | <ul style="list-style-type: none"> <li>• Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.</li> <li>• The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer.</li> <li>• In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.</li> <li>• During defrosting operation, hot air does not flow out of indoor unit.</li> </ul> |
| COOL | <ul style="list-style-type: none"> <li>• This air conditioner cools the room by releasing the heat in the room outside. Therefore, the cooling performance of the air conditioner may be degraded if the outdoor temperature is high.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DRY  | <ul style="list-style-type: none"> <li>• The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| AUTO | <ul style="list-style-type: none"> <li>• In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room and outside temperatures and starts the operation.</li> <li>• The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| FAN  | <ul style="list-style-type: none"> <li>• This mode is valid for fan only.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



**■ To change the temperature setting**

Press  or  .

• The displayed items on the LCD will change whenever either one of the buttons is pressed.

| COOL operation                                                         | HEAT operation       | AUTO operation       | DRY or FAN operation                     |
|------------------------------------------------------------------------|----------------------|----------------------|------------------------------------------|
| 64-90°F<br>(18-32°C)                                                   | 50-86°F<br>(10-30°C) | 64-86°F<br>(18-30°C) | The temperature setting is not variable. |
| Press ▲ to raise the temperature and press ▼ to lower the temperature. |                      |                      |                                          |

**■ Operating conditions**

**■ Recommended temperature setting**

- For cooling: 78-82°F (26-28°C)
- For heating: 68-75°F (20-24°C)

**■ Tips for saving energy**

- Be careful not to cool (heat) the room too much.  
Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain.  
Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks. [▶ Page 21](#)

**■ Notes on the operating conditions**

- The air conditioner always consumes a small amount of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker off.
- Use the air conditioner in the following conditions.

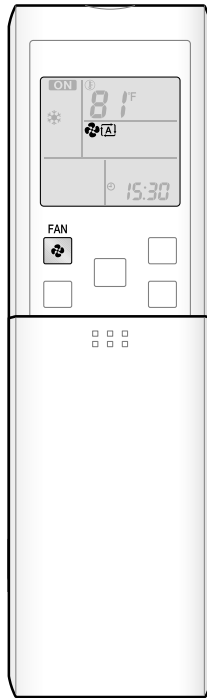
| MODE | Operating conditions                                                                                             | If operation is continued out of this range                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL | Outdoor temperature : 14-115°F (10-46°C)<br>Indoor temperature : 64-90°F (18-32°C)<br>Indoor humidity : 80% max. | • A safety device may work to stop the operation.<br>(In multi system, it may work to stop the operation of the outdoor unit only.)<br>• Condensation may occur on the indoor unit and drip. |
| HEAT | Outdoor temperature : 5-75°F (-15-24°C)<br>Indoor temperature : 50-86°F (10-30°C)                                | • A safety device may work to stop the operation.                                                                                                                                            |
| DRY  | Outdoor temperature : 14-115°F (10-46°C)<br>Indoor temperature : 64-90°F (18-32°C)<br>Indoor humidity : 80% max. | • A safety device may work to stop the operation.<br>• Condensation may occur on the indoor unit and drip.                                                                                   |

- Operation outside this humidity or temperature range may cause a safety device to disable the system.

## 4.4 Adjusting the Airflow Rate




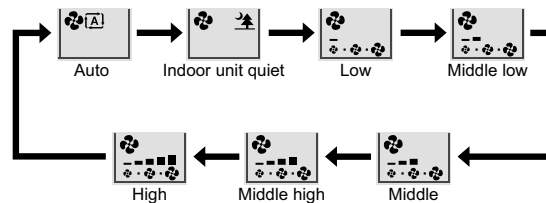
# Adjusting the Airflow Rate




### ■ To adjust the airflow rate setting

Press .

- Each pressing of  advances the airflow rate setting in sequence.



- When the airflow is set to “”, indoor unit quiet operation will start and the sound from the unit will become quieter.
- In indoor unit quiet operation, the airflow rate is set to a weak level.
- In DRY operation, the airflow rate setting is not variable.

### NOTE

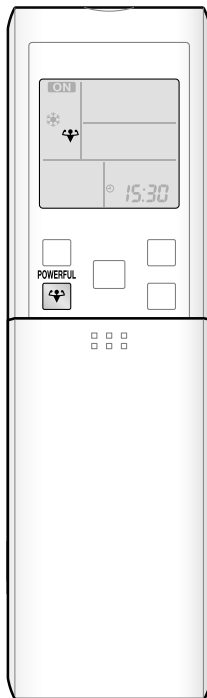
#### ■ Note on airflow rate setting

- At smaller airflow rates, the cooling (heating) effect is also smaller.

## 4.5 POWERFUL Operation




# POWERFUL Operation



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.


### ■ To start POWERFUL operation

Press  during operation.

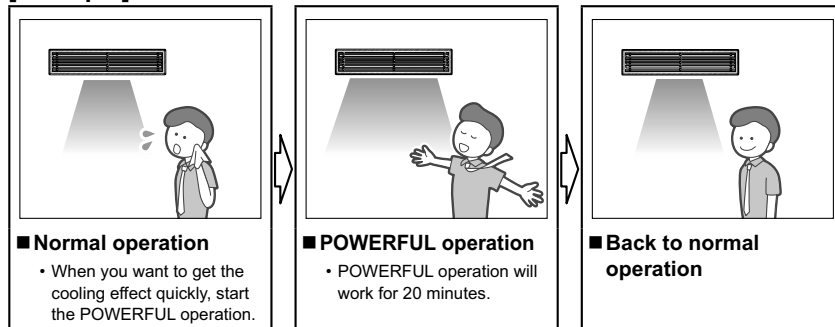
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- “” is displayed on the LCD.

### ■ To cancel POWERFUL operation

Press  again.



- “” is no longer displayed on the LCD.

### [Example]



## NOTE

### ■ Notes on POWERFUL operation

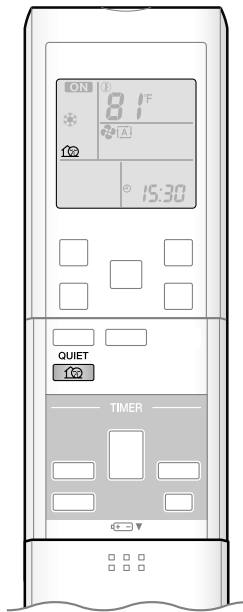
- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO and OUTDOOR UNIT QUIET operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and “” is no longer displayed on the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.
- **In COOL, HEAT and AUTO operation**  
To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY operation**  
The temperature setting is lowered by 4.5°F (2.5°C) and the airflow rate is slightly increased.
- **In FAN operation**  
The airflow rate is fixed to the maximum setting.
- **When using priority-room setting**  
See “Note for multi system”.  Page 19



## 4.6 OUTDOOR UNIT QUIET Operation



# OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the sound level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during night.

### ■ To start OUTDOOR UNIT QUIET operation

Press .

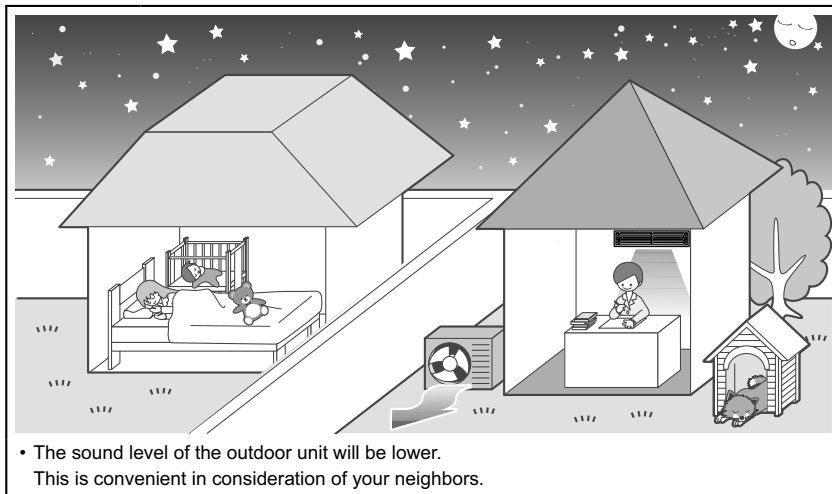
- “” is displayed on the LCD.

### ■ To cancel OUTDOOR UNIT QUIET operation

Press again.

- “” is no longer displayed on the LCD.

**[Example]** Using the OUTDOOR UNIT QUIET operation during the night.



- The sound level of the outdoor unit will be lower.  
This is convenient in consideration of your neighbors.

## NOTE

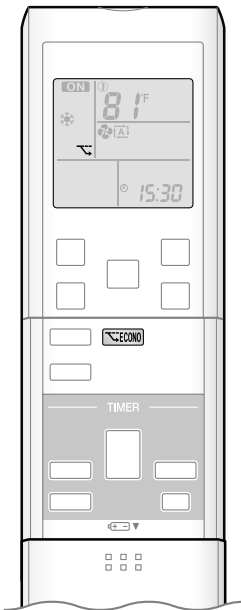
### ■ Notes on OUTDOOR UNIT QUIET operation

- If using a multi system, the OUTDOOR UNIT QUIET operation will work only when this function is set on all operated indoor units. However, if using priority room setting, refer to note for multi system. [▶ Page 19](#)
- This function is available in COOL, HEAT, and AUTO operation.  
(This is not available in FAN and DRY operation.)
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.  
Priority is given to the function of whichever button is pressed last.
- If operation is stopped using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, “” will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if the frequency and fan speed have been already dropped low enough.

## 4.7 ECONO Operation



# ECONO Operation



ECONO operation is a function which enables efficient operation by limiting the maximum power consumption value.

This function is useful for cases in which attention should be paid to ensure a circuit breaker will not trip when the product runs alongside other appliances.


### ■ To start ECONO operation

Press  during operation.

- “” is displayed on the LCD.

### ■ To cancel ECONO operation

Press  again.

- “” is no longer displayed on the LCD.

### [Example]

#### Normal operation



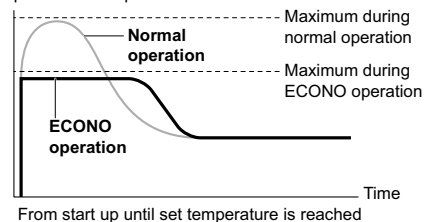
- In case the air conditioner and other appliances which require high power consumption are used at same time, a circuit breaker may trip if the air conditioner operate with its maximum capacity.

#### ECONO operation




- The maximum power consumption of the air conditioner is limited by using ECONO operation. The circuit breaker is unlikely to trip even if the air conditioner and other appliances are used at same time.
- This diagram is a representation for illustrative purposes only. The maximum running current and power consumption of the air conditioner in ECONO operation vary with the connecting outdoor unit.

Running current and power consumption



## NOTE

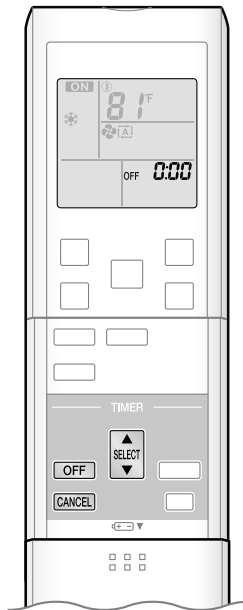
### ■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the “” is no longer displayed on the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit (operating frequency).
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time. Priority is given to the function of whichever button is pressed last.
- If the level of power consumption is already low, ECONO operation will not drop the power consumption.

## 4.8 OFF TIMER Operation



# OFF TIMER Operation



Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

### ■ To use OFF TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time. ▶Page 10

#### 1. Press **OFF**.



"0:00" is displayed on the LCD.  
"OFF" blinks.

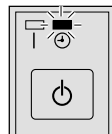
- "⊙" is no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the time setting rapidly.

#### 3. Press **OFF** again.

- "OFF" and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

### ■ To cancel OFF TIMER operation

#### Press **CANCEL**.

- "OFF" and setting time are no longer displayed on the LCD.
- "⊙" and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### NOTE

#### ■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory. The memory is canceled when remote controller batteries are replaced.
- When operating the unit via the ON/OFF TIMER, the actual length of operation may vary from the time entered by the user. (Maximum approximately 10 minutes)

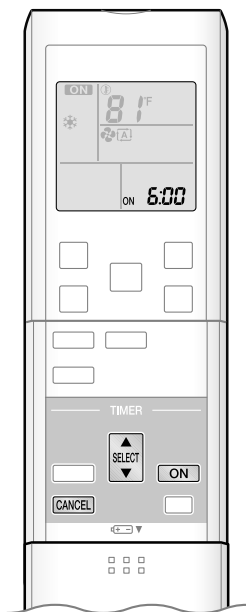
#### ■ NIGHT SET mode

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9°F (0.5°C) up in COOL, 3.6°F (2.0°C) down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

## 4.9 ON TIMER Operation



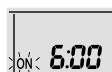
## ON TIMER Operation



### To use ON TIMER operation

- Check that the clock is correct.  
If not, set the clock to the present time. ▶Page 10

#### 1. Press **ON**.



“6:00” is displayed on the LCD.  
“ON” blinks.

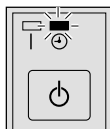
- “⊕” is no longer displayed on the LCD.

#### 2. Press **SELECT** until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.  
Holding down either button changes the setting rapidly.

#### 3. Press **ON** again.

- “ON” and setting time are displayed on the LCD.
- The TIMER lamp lights yellow.



Display

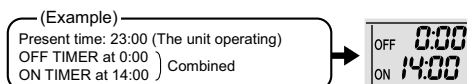
### To cancel ON TIMER operation

#### Press **CANCEL**.

- “ON” and setting time are no longer displayed on the LCD.
- “⊕” and day of the week are displayed on the LCD.
- The TIMER lamp goes off.

### To combine ON TIMER and OFF TIMER

- A sample setting for combining the 2 timers is shown below.



### NOTE

- In the following cases, set the timer again.
  - After a breaker has turned off.
  - After a power failure.
  - After replacing batteries in the remote controller.

## 4.10 Note for Multi System

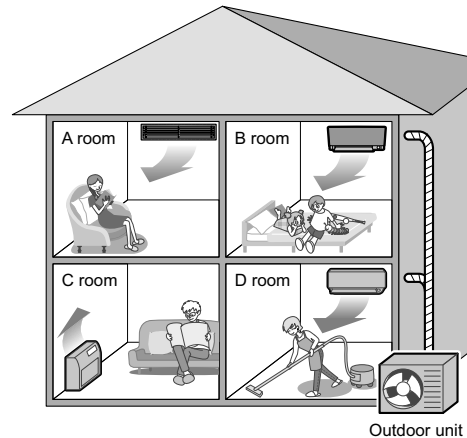
# Note for Multi System

Multi system has one outdoor unit connected to multiple indoor units.

### ■ Selecting the operation mode

#### With the priority room setting present but inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.  
In this case, set the units that are turned on later to the same operation mode as the first unit.  
Otherwise, they will enter the standby state, and the OPERATION lamp will flash: this does not indicate malfunction.



### NOTE

#### ■ Notes on operation mode for multi system

- COOL, DRY and FAN operation may be used at the same time.
- AUTO operation automatically selects COOL operation or HEAT operation based on the room temperature.  
Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

### ⚠ CAUTION

- Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.  
If the operation mode of the first room is FAN operation, then using HEAT operation in any room after this will give priority to HEAT operation. In this situation, the air conditioner running in FAN operation will go on standby, and the OPERATION lamp will flash.

#### With the priority room setting active.

Refer to priority room setting on the next page.

### ■ NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance.  
NIGHT QUIET mode reduces the operation sound of the outdoor unit during the nighttime hours to prevent annoyance to neighbors.

- The NIGHT QUIET mode is activated when the temperature drops 10.8°F (6°C) or more below the highest temperature recorded that day.  
Therefore, when the temperature difference is less than 7.2°F (4°C), this function will not be activated.
- NIGHT QUIET mode reduces slightly the cooling efficiency of the unit.

### ■ OUTDOOR UNIT QUIET operation

Refer to OUTDOOR UNIT QUIET operation. ▶ Page 15

#### With the priority room setting present but inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.

When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.  
However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.  
We recommend you release all rooms using their remote controllers.

#### With the priority room setting active.

Refer to priority room setting on the next page.

**■ COOL/HEAT mode lock**

The COOL/HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL/HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

**NOTE**

- The COOL/HEAT mode lock cannot be activated together with the priority room setting.

**■ Priority room setting**

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

**Operation mode priority**

- As the operation mode of the priority room takes precedence, the user can select a different operation mode from other rooms.

**[Example]**

- Room A is the priority room in the examples.  
When COOL operation is selected in room A while operating the following modes in room B, C and D :

| Operation mode in room B, C and D | Status of room B, C and D when the unit in room A is in COOL operation                                                                                                    |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COOL or DRY or FAN                | Current operation mode maintained                                                                                                                                         |
| HEAT                              | The unit enters standby mode. Operation resumes when the room A unit stops operating.                                                                                     |
| AUTO                              | If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters standby mode. Operation resumes when the room A unit stops operating. |

**Priority when POWERFUL operation is used**

**[Example]**

- Room A is the priority room in the examples.  
The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters POWERFUL operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

**Priority when using OUTDOOR UNIT QUIET operation**

**[Example]**

- Room A is the priority room in the examples.  
Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation. You don't have to set all the operated indoor units to QUIET operation.

## 4.11 Care and Cleaning

# Care and Cleaning

## ⚠ CAUTION

- Only a qualified service person is allowed to perform maintenance.
- Before cleaning, be sure to stop the operation and turn the breaker off.

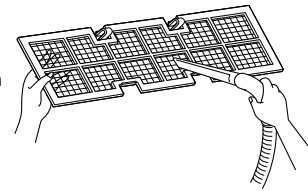
### ■ Air filter

#### 1. Removing the air filter.

- Rear suction  
Pull the bottom side of the air filter backwards, over the bends.
- Bottom suction  
Pull the filter over the bends situated at the backside of the unit.

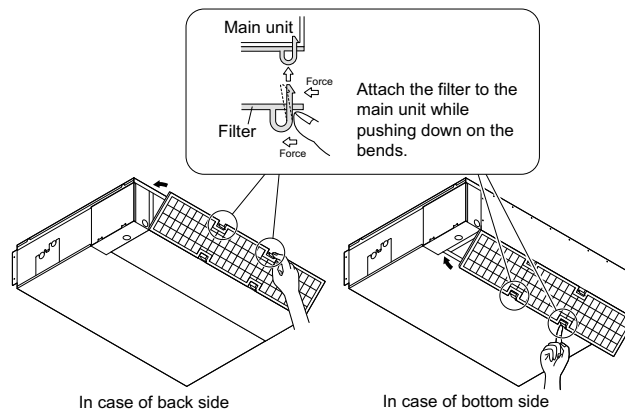
#### 2. Cleaning the air filter.

- Remove dust from the air filter using a vacuum cleaner and gently rinse them in cool water. Do not use detergent or hot water to avoid filter shrinking or deformation. After cleaning dry them in the shade.



#### 3. Replacing the air filter.

- Rear suction  
Hook the filter behind the flap situated at the top of the unit and push the other side gently over the bends.
- Bottom suction  
Hook the filter behind the flap situated at the middle of the unit and push the other side gently over the bends.



### ■ Drain pan

- Clean the drain pan periodically, or drain piping may be clogged with dust and may result in water leakage. Ask your DAIKIN dealer to clean them.
- Prepare a cover locally to prevent any dust in the air around the indoor unit from getting in the drain pan, if there is a great deal of dust present.

### CAUTION



- Do not operate the air conditioner without filters, this to avoid dust accumulation inside the unit.
- Do not remove the air filter except when cleaning. Unnecessary handling may damage the filter.
- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide, It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy. The suction grille is optional.
- Do not use water or air of 122°F (50°C) or higher for cleaning air filters and outside panels.
- Ask your DAIKIN dealer how to clean it.

### ■ Check the units

- Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
- Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
- Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.
  - If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

### ■ Before a long idle period

#### 1. Operate the FAN only for several hours on a nice day to dry out the inside.

- Press  and select "FAN" operation.
- Press  and start the operation.

#### 2. After operation stops, turn off the breaker for the room air conditioner.

#### 3. Clean the air filters and set them again.

#### 4. Take out batteries from the remote controller.

- When a multi outdoor unit is connected, make sure the HEAT operation is not used at the other room before you use the FAN operation. [▶Page 19](#)

### ■ We recommend periodic maintenance

- In certain operating conditions, the inside of the air conditioner may become soiled after several seasons of use, resulting in poor performance. It is recommended to have periodic maintenance by a specialist aside from regular cleaning by the user.
- For specialist maintenance, contact the service shop where you purchased the air conditioner.
  - The maintenance cost must be born by the user.



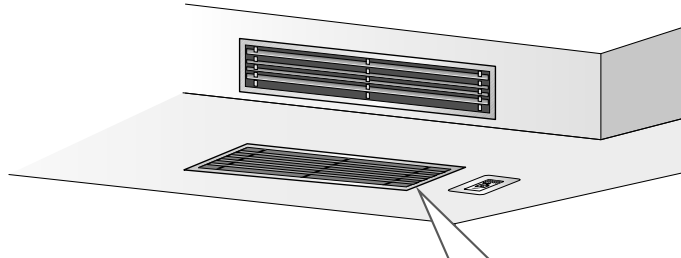
4.12 Troubleshooting

# Troubleshooting

■ These incidents are not malfunctions.

- The following incidents do not indicate a malfunctioning air conditioner and have explanations. The air conditioner can continue to operate.

**Indoor unit**



**The HEAT operation stops suddenly and a flowing sound is heard.**

- The outdoor unit is taking away the frost. The HEAT operation starts after the frost on the outdoor unit is removed. You should wait for about 4 to 12 minutes.

**Operation does not start soon.**

- When "ON/OFF" button was pressed soon after operation was stopped.
- When the mode was reselected.
  - This is to protect the air conditioner. You should wait for about 3 minutes.

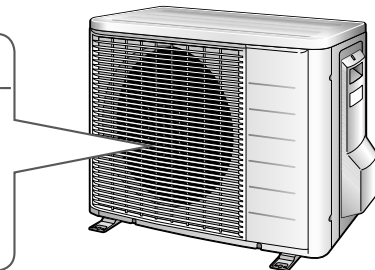
**Possible sounds.**

- **Flowing water**
  - Generated because the refrigerant in the air conditioner is flowing.
  - This is a pumping sound of the water in the air conditioner it is heard when the water is pumped out from the air conditioner in cooling or drying operation.
  - The refrigerant flows in the air conditioner even if the air conditioner is not working when the indoor units in other rooms are in operation.
- **Blowing**
  - Generated when the flow of the refrigerant in the air conditioner is switched over.
- **Ticking**
  - Generated when the size of the air conditioner slightly expands or shrinks as a result of temperature changes.
- **Whistling sound**
  - Generated when refrigerant flows during defrosting operation.
- **Clicking sound during operation or idle time**
  - Generated when the refrigerant control valves or the electrical parts operate.
- **Clopping sound**
  - Heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

**Outdoor unit**

**The outdoor unit emits water or steam.**

- **In HEAT operation**
  - The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.
- **In COOL or DRY operation**
  - Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.



- Troubleshooting measures are classified into the following two types on a remedial basis. Take an appropriate measure according to the symptom.



### Not malfunction

- The following conditions do not indicate a problem with the system.



### Check

- Please check again before calling a repair person.

#### The air conditioner does not operate. (OPERATION lamp is off.)

- Is a breaker off or a fuse blown?
- Is there a power failure?
- Are batteries set in the remote controller?
- Is the timer setting correct?



#### Hot air does not flow out soon after the start of HEAT operation.

- The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)



#### Operation stopped suddenly. (OPERATION lamp flashes.)

- Are the air filters clean?  
Clean the air filters.
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Turn the breaker off and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you purchased the air conditioner.
- Are operation modes all the same for indoor units connected to outdoor units in the multi system?  
If not, set all indoor units to the same operation mode and confirm that the lamps flash.  
Moreover, when the operation mode is in AUTO, set all indoor unit operation modes to COOL or HEAT for a moment and check again that the lamps are normal. If the lamps stop flashing after the above steps, there is no malfunction. ▶ Page 19



#### Operation stopped suddenly. (OPERATION lamp is on.)

- For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.



#### Mist comes out of the indoor unit.

- This happens when the air in the room is cooled into mist by the cold airflow during COOL operation.
- This is because the air in the room is cooled by the heat exchanger and becomes mist during defrosting operation.



# Troubleshooting

## Cooling (Heating) effect is poor.

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Is the temperature setting appropriate?
- Are the windows and doors closed?
- Are the airflow rate and the airflow direction set appropriately?



## The outdoor fan rotates while the air conditioner is not in operation.

- **After operation is stopped**
  - The outdoor fan continues rotating for another 60 seconds for system protection.
- **While the air conditioner is not in operation**
  - When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.



## Remote controller does not work properly.

- **No remote controller signals are displayed.**
- **Remote controller sensitivity is low.**
- **Display is low in contrast or blacked out.**
- **Display runs out of control.**
  - The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new, size AAA.LR03 (alkaline). For details, refer to "To set the batteries" of this manual. ▶Page 9



## An abnormal functioning happens during operation.

- The air conditioner may malfunction with lightning or radio waves. Turn the breaker off, turn it on again and try operating the air conditioner with the remote controller.



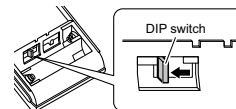
## The indoor unit gives out odor.

- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the airflow.  
(If this happens, have the indoor unit washed by a technician from the service shop where you purchased the air conditioner.)



## HEAT operation cannot be selected, even though the unit is heat pump model.

- Slide the DIP switch to the left as shown in the illustration so that the HEAT operation can be selected with the "MODE" button.



### ■ Call the service shop immediately

#### WARNING

- **When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker off.**
  - Continued operation in an abnormal condition may result in malfunctioning, electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.
- **Do not attempt to repair or modify the air conditioner by yourself.**
  - Incorrect work may result in electric shocks or fire.
  - Consult the service shop where you purchased the air conditioner.

If one of the following symptoms occurs, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the ground leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn the breaker off and call the service shop.



#### ■ After a power failure

- The air conditioner automatically resumes operation in about 3 minutes. Wait for it to restart.

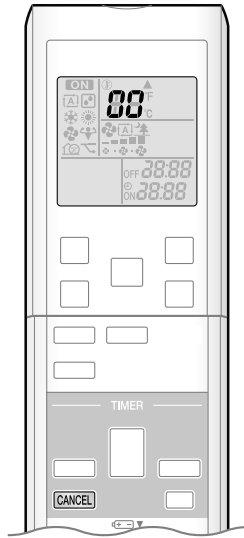
#### ■ Lightning

- If lightning may strike the neighboring area, stop operation and turn the breaker off for system protection.

### ■ Disposal requirements

- Dismantling the unit, and treatment of refrigerant, oil, and other parts, should be done in accordance with the relevant local and national regulations.

# Troubleshooting



## ■ Fault diagnosis by remote controller

- The remote controller can receive a corresponding error code from the indoor unit.

**1. When **CANCEL** is held down for 5 seconds, a “00” indication blinks on the temperature display section.**

**2. Press **CANCEL** repeatedly until a continuous beep is produced.**

- The code indication changes as displayed in the following table, and notifies with a long beep.

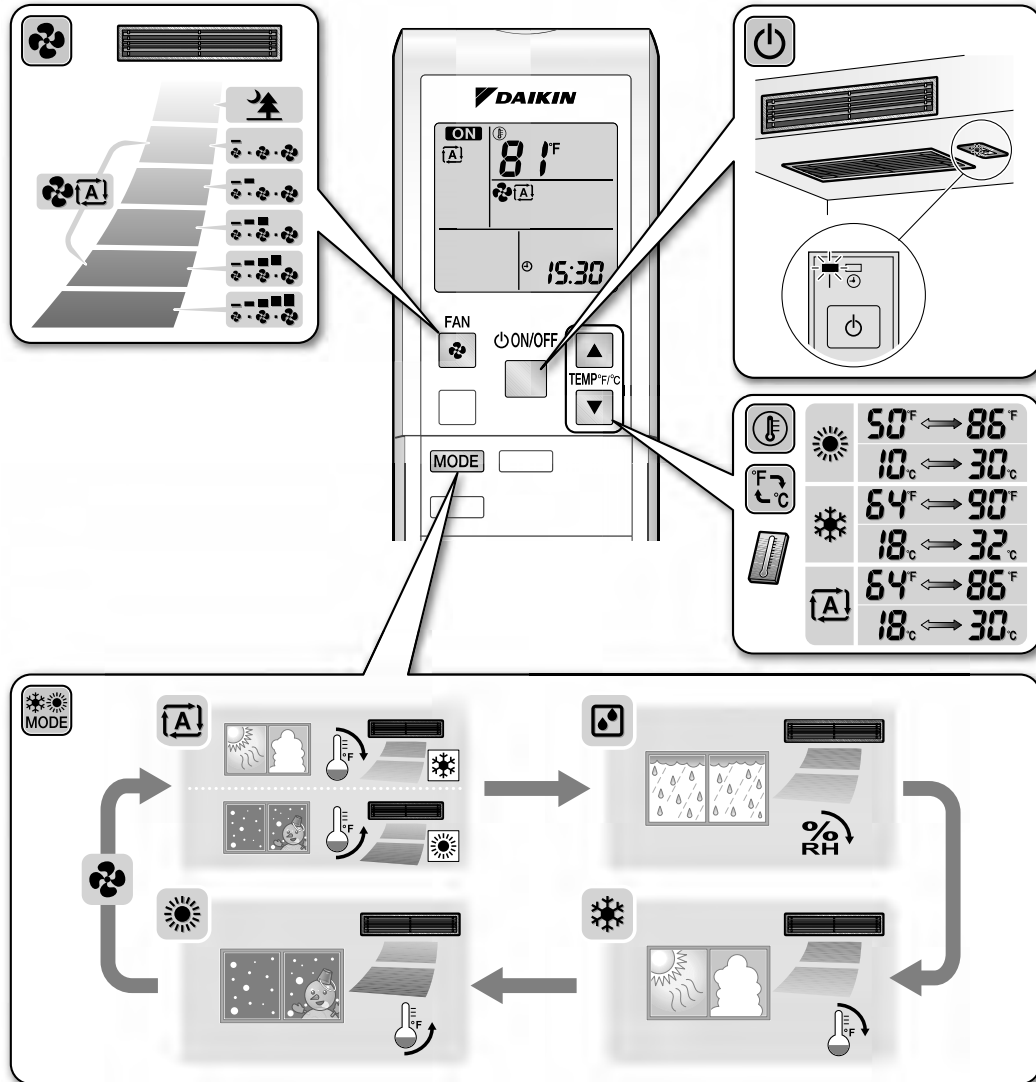
|              | CODE                                                | MEANING                                                        |
|--------------|-----------------------------------------------------|----------------------------------------------------------------|
| SYSTEM       | 00                                                  | NORMAL                                                         |
|              | UA                                                  | INDOOR-OUTDOOR UNIT COMBINATION FAULT                          |
|              | U0                                                  | REFRIGERANT SHORTAGE                                           |
|              | U2                                                  | DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE                       |
|              | U4                                                  | FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT) |
| INDOOR UNIT  | A1                                                  | INDOOR PCB DEFECTIVENESS                                       |
|              | A5                                                  | HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR                   |
|              | A6                                                  | FAN MOTOR FAULT                                                |
|              | C4                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
|              | C9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
| OUTDOOR UNIT | EA                                                  | COOLING-HEATING SWITCHING ERROR                                |
|              | E1                                                  | CIRCUIT BOARD FAULT                                            |
|              | E5                                                  | OL STARTED                                                     |
|              | E6                                                  | FAULTY COMPRESSOR START UP                                     |
|              | E7                                                  | DC FAN MOTOR FAULT                                             |
|              | E8                                                  | OVERCURRENT INPUT                                              |
|              | F3                                                  | HIGH TEMPERATURE DISCHARGE PIPE CONTROL                        |
|              | F6                                                  | HIGH PRESSURE CONTROL (IN COOLING)                             |
|              | H0                                                  | SENSOR FAULT                                                   |
|              | H6                                                  | OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR         |
|              | H8                                                  | DC CURRENT SENSOR FAULT                                        |
|              | H9                                                  | FAULTY SUCTION AIR TEMPERATURE SENSOR                          |
|              | J3                                                  | FAULTY DISCHARGE PIPE TEMPERATURE SENSOR                       |
|              | J6                                                  | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR                       |
|              | L3                                                  | ELECTRICAL PARTS HEAT FAULT                                    |
| L4           | HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK       |                                                                |
| L5           | OUTPUT OVERCURRENT                                  |                                                                |
| P4           | FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR |                                                                |

## NOTE

- A short beep and two consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold **CANCEL** for 5 seconds. The code display also cancel itself if the button is not pressed for 1 minute.

4.13 Quick Reference

# Quick Reference



# Part 4

## Options

|                                                                                        |     |
|----------------------------------------------------------------------------------------|-----|
| 1. Option List .....                                                                   | 432 |
| 1.1 Indoor Unit .....                                                                  | 432 |
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# 1. Option List

## 1.1 Indoor Unit

### CTXS, FTXS-LV Series

|    | Option Name                                                                                                | 07/09/12/15/18 Class       |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|
| 1  | Wired remote controller ★1                                                                                 | BRC944B2                   |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) |
|    |                                                                                                            | Length 8 m (shielded wire) |
| 3  | Centralized Control Board-up to 5 Rooms ★2                                                                 | KRC72                      |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) | KRP413AB1S                 |
| 5  | Central Remote Controller ★4                                                                               | DCS302C71                  |
| 6  | Unified ON/OFF Controller ★4                                                                               | DCS301C71                  |
| 7  | Schedule Timer ★4                                                                                          | DST301BA61                 |
| 8  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               | KRP928BB2S                 |
| 9  | Titanium Apatite Photocatalytic Air-purifying Filter<br>(without Frame) ★5                                 | KAF970A46                  |
| 10 | Remote Controller Loss Prevention with Chain                                                               | KKF910A4                   |

- Note:**
- ★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
  - ★2 A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
  - ★3 Timer clock and other devices ; obtained locally.
  - ★4 An interface adaptor (KRP928BB2S) is also required for each indoor unit.
  - ★5 Standard accessory

### CDXS, FDXS Series

|    | Option Name                                                                                                | 09/12 Class                | 15/18 Class |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|-------------|
| 1  | Wired remote controller ★1                                                                                 | BRC944B2                   |             |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) | BRCW901A03  |
|    |                                                                                                            | Length 8 m (shielded wire) | BRCW901A08  |
| 3  | Centralized Control Board-up to 5 Rooms ★2                                                                 | KRC72                      |             |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) | KRP413AB1S                 |             |
| 5  | Central Remote Controller ★4                                                                               | DCS302C71                  |             |
| 6  | Unified ON/OFF Controller ★4                                                                               | DCS301C71                  |             |
| 7  | Schedule Timer ★4                                                                                          | DST301BA61                 |             |
| 8  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               | KRP928BB2S                 |             |
| 9  | Suction Grille                                                                                             | KDG19A45                   |             |
| 10 | Insulation Kit for High Humidity                                                                           | KDT25N32                   | KDT25N50    |
| 11 | Remote Controller Loss Prevention with Chain                                                               | KKF910A4                   |             |

- Note:**
- ★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.
  - ★2 A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
  - ★3 Timer clock and other devices ; obtained locally.
  - ★4 An interface adaptor (KRP928BB2S) is also required for each indoor unit.



## 2. Optional Accessories CTXS-HVJU

### 2.1 Option List

#### 2.1.1 Indoor Units

##### The Multi-Split Duct-Free System

|    | Option Name                                                                                                |                            | CTXS07JVJU, CTXS09/12HVJU<br>FTXS15/18HVJU |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------|
| 1  | Wired remote controller ★1                                                                                 |                            | BRC944B2                                   |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) | BRCW901A03                                 |
|    |                                                                                                            | Length 8 m (shielded wire) | BRCW901A08                                 |
| 3  | Centralized Control Board-Up to 5 Rooms ★2                                                                 |                            | KRC72                                      |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) |                            | KRP413A1S                                  |
| 5  | Central Remote Controller (Fahrenheit) ★4                                                                  |                            | DCS302C71                                  |
| 6  | Central Remote Controller (Celsius) ★4                                                                     |                            | DCS302CA61                                 |
| 7  | Unified ON/OFF Controller ★4                                                                               |                            | DCS301C71                                  |
| 8  | Schedule Timer Controller ★4                                                                               |                            | DST301BA61                                 |
| 9  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               |                            | KRP928B2S                                  |
| 10 | Air-Purifying Filter with Photocatalytic Deodorizing Function<br>(without Frame) ★5                        |                            | KAF952A42                                  |
| 11 | Remote Controller Loss Prevention with Chain                                                               |                            | KKF910A4                                   |

★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.

★2 A wiring adaptor (KRP413A1S) is also required for each indoor unit.

★3 Timer clock and other devices ; obtained locally.

★4 An interface adaptor (KRP928B2S) is also required for each indoor unit.

★5 Standard accessory

##### The Slim Duct Built-in System

|    | Option Name                                                                                                |                            | FDXS09/12DVJU |
|----|------------------------------------------------------------------------------------------------------------|----------------------------|---------------|
| 1  | Wired remote controller ★1                                                                                 |                            | BRC944B2      |
| 2  | Wired remote controller cord                                                                               | Length 3 m (shielded wire) | BRCW901A03    |
|    |                                                                                                            | Length 8 m (shielded wire) | BRCW901A08    |
| 3  | Centralized Control Board-up to 5 Rooms ★2                                                                 |                            | KRC72         |
| 4  | Wiring Adaptor for Timer Clock / Remote Controller ★3<br>(Normal Open Pulse Contact / Normal Open Contact) |                            | KRP413A1S     |
| 5  | Central Remote Controller (Fahrenheit) ★4                                                                  |                            | DCS302C71     |
| 6  | Central Remote Controller (Celsius) ★4                                                                     |                            | DCS302CA61    |
| 7  | Unified ON/OFF Controller ★4                                                                               |                            | DCS301C71     |
| 8  | Schedule Timer ★4                                                                                          |                            | DST301BA61    |
| 9  | Interface Adaptor for DIII-NET (Residential Air Conditioner)                                               |                            | KRP928B2S     |
| 10 | Suction Grille                                                                                             |                            | KDGF19A45     |
| 11 | Insulation Kit for High Humidity                                                                           |                            | KDT25N32      |
| 12 | Remote Controller Loss Prevention with Chain                                                               |                            | KKF917A4      |

★1 3 m (BRCW901A03) or 8 m (BRCW901A08) length wired remote controller cord is necessary.

★2 A wiring adaptor (KRP413A1S) is also required for each indoor unit.

★3 Timer clock and other devices ; obtained locally.

★4 An interface adaptor (KRP928B2S) is also required for each indoor unit.

## 2.2 Outdoor Unit

|   | Option Name                     | 2MXS18GVJU  | 3MXS24JVJU<br>4MXS32GVJU |
|---|---------------------------------|-------------|--------------------------|
| 1 | Air Direction Adjustment Grille | KPW945A4    |                          |
| 2 | Drain Plug                      | KKP937A4 ★1 | KKP945A4 ★2              |

★1 5 pieces / 5 units

★2 1 set / 1 unit

### 3. Optional Accessories

#### 3.1 <BRC944B2> Wired Remote Controller

##### 3.1.1 Installation Manual

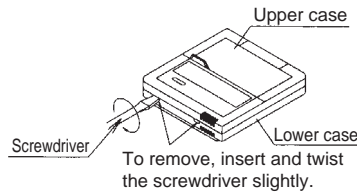
**⚠ CAUTION**

1. No switch box or staple is supplied. Prepare them locally.
2. No remote controller cord is supplied. Prepare the optional remote controller cord 4 wire.
3. Be sure to turn off the power to any apparatus connected prior to mounting.
4. Prior to mounting equipment, touch something metallic such as a doorknob to remove static electricity from your body. Never touch the remote controller board or the adapter board.
5. Keep the wiring away from any other power source lines to avoid electric noise (external noise).
6. Select a flat surface, wherever possible, to mount the remote controller. To prevent deformation of the cases, do not overtighten the mounting screws.

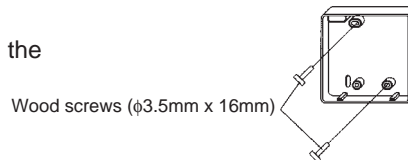
1. Securing the remote controller lower case

Insert a bladed screwdriver into the concave (凹) in the remote controller lower case to remove the upper case assembly (two locations).

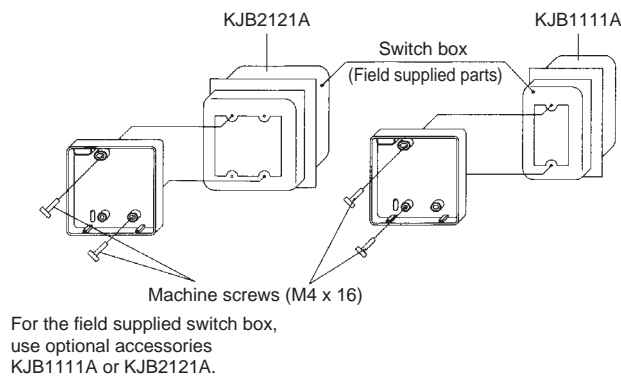
The remote controller board is located on the upper case. Take care not to scratch the board with the screwdriver.



- (1) Exposed mounting  
Secure the remote controller lower case with the two supplied wood screws.

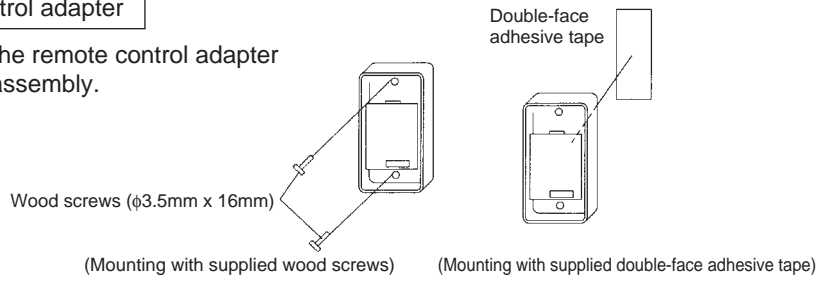


- (2) Embedded mounting  
Secure the remote controller lower case with the two supplied machine screws.

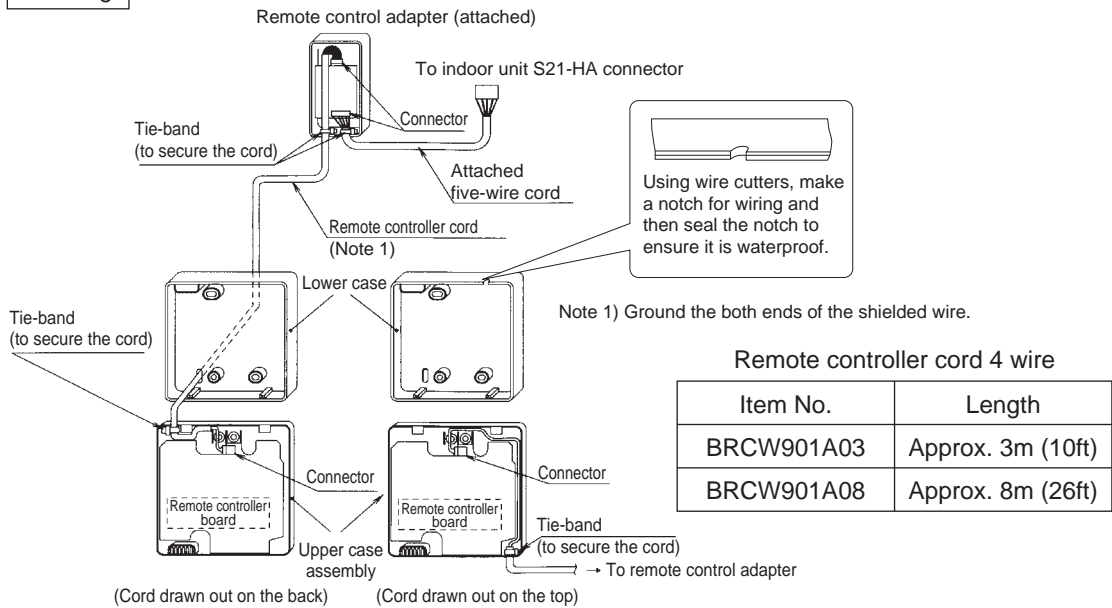


**2. Securing the remote control adapter**

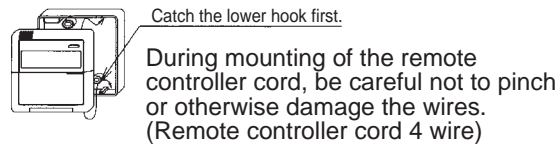
Remove the upper case of the remote control adapter and secure the lower case assembly.



**3. Wiring**

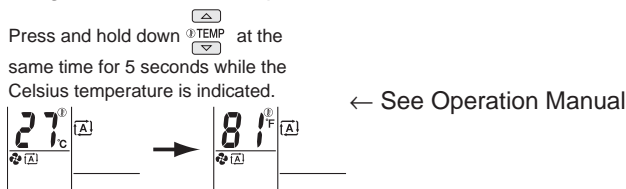


**4. Placing the upper case assembly of the remote controller and the upper case of the remote controller adapter back into their original positions**



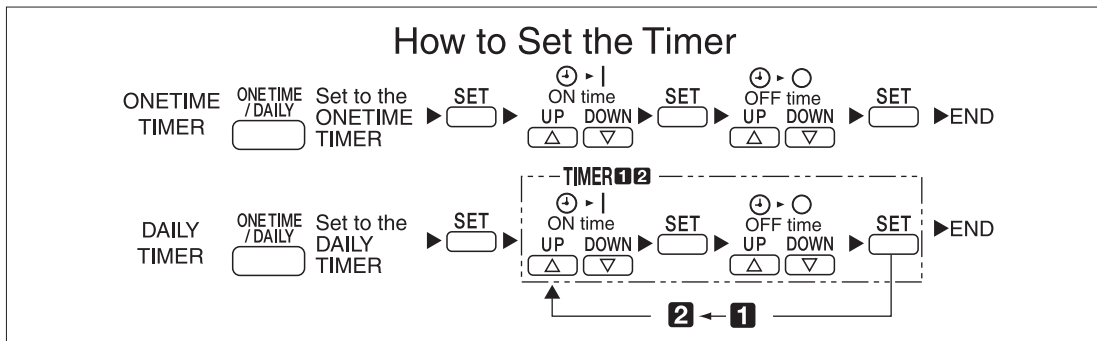
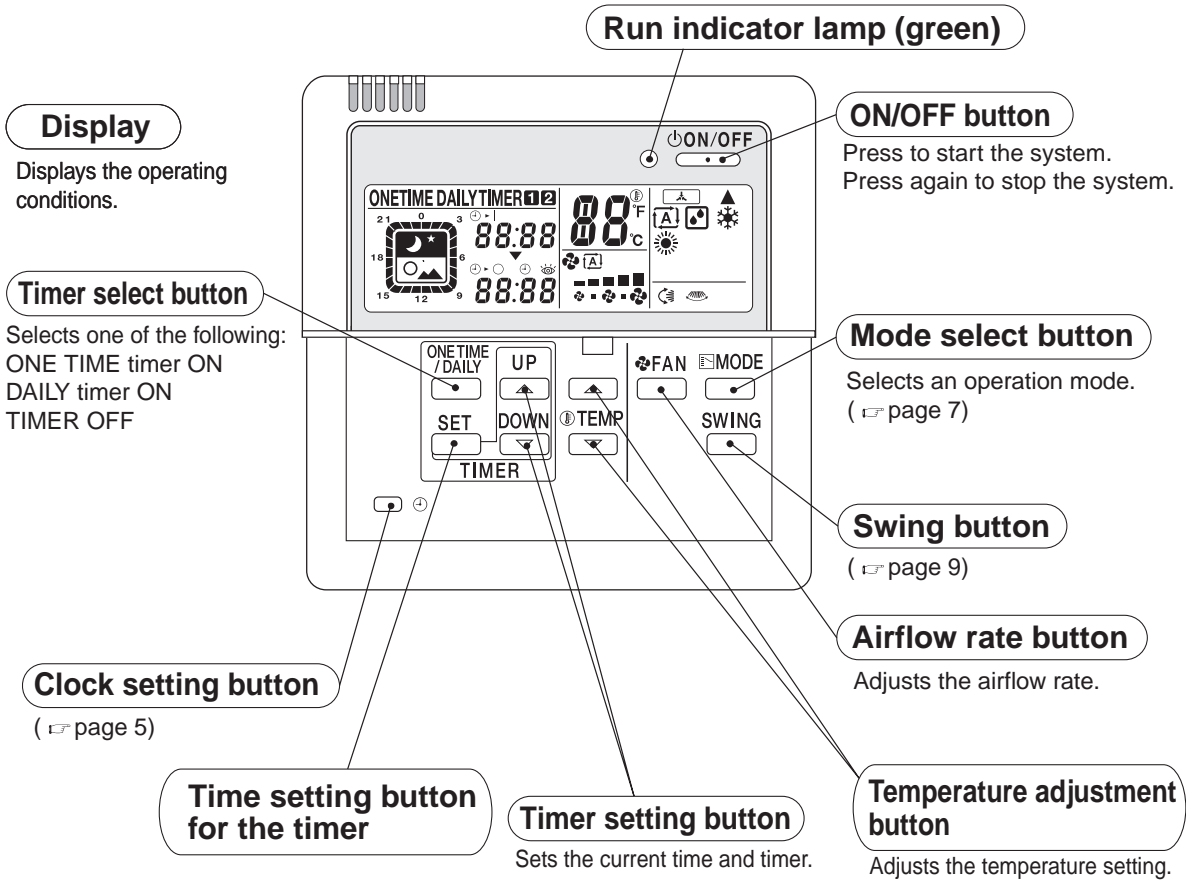
**5. Temperature indication change**

To change from Celsius temperature indication to Fahrenheit one



3.1.2 Operation Manual

# Controller Commands and their Corresponding Functions



**CAUTION**


• This remote controller cannot be used together with a standard wireless remote controller. Otherwise, what appears on this remote controller's display may fail to correspond to actual operating conditions.

# Preparation before Operation

## ■ Checking the power


If nothing appears on the remote controller's display, turn on the circuit breaker.

## ■ Setting the current time

1 Press  .

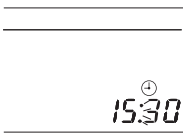


The current time starts blinking.  
0:00 lights up.

2 Press  and set the current time.

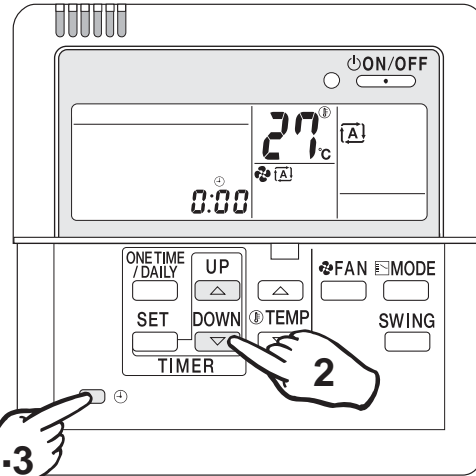


3 Press  .



: blinks.  
(This completes the current time setting)

- The clock's accuracy is ±30 seconds per month.



## Notes

### To use the unit efficiently

- Avoid overcooling or overheating. Moderate room temperature setting contributes to power saving.
 

Recommended temperature setting

For cooling ..... 26~28°C (79°F~82°F)

For heating ..... 20~22°C (68°F~72°F)
- Hang a blind or a curtain on the window. This will enhance the cooling/heating effect by intercepting direct sunlight and drafts.
- A clogged air filter reduces the cooling/heating effect and wastes energy. Clean the air filter monthly (every two weeks as required) or so.

### Please take note of the following points

- Electric power is consumed even when the air conditioner is not in operation.
- When the unit is not used for a long period of time such as during off-season, turn off the breaker.

### Operating conditions

- If the operation is continued under any conditions other than the following, the safety device may work to stop the operation. Also, dew may form on the indoor unit and drip from it. (Cooling/DRY)

|         |                 |                             |
|---------|-----------------|-----------------------------|
| Cooling | Outdoor temp.   | -10 to 46°C (14°F to 115°F) |
|         | Room temp.      | 18 to 32°C (64°F to 90°F)   |
|         | Indoor humidity | Less than 80%               |
| DRY     | Outdoor temp.   | -10 to 46°C (14°F to 115°F) |
|         | Room temp.      | 18 to 32°C (64°F to 90°F)   |
|         | Indoor humidity | Less than 80%               |
| Heating | Outdoor temp.   | -15 to 20°C (5°F to 68°F)   |
|         | Room temp.      | Less than 27°C              |


- Operation limit differ according to the model.

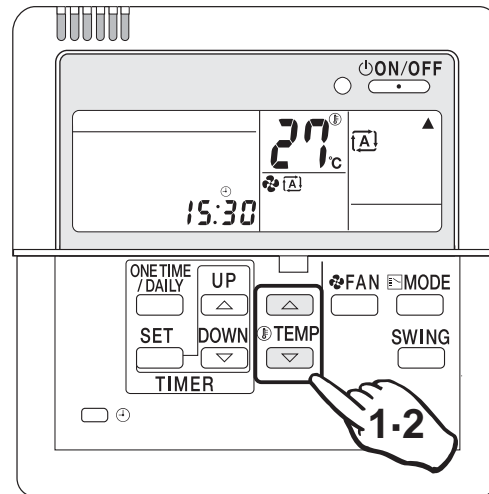
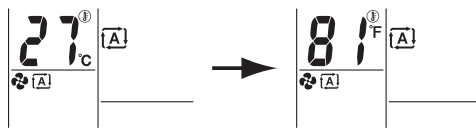
# Preparation before Operation

## ■ Setting Temperature Indication change


Temperature indication can be changed between Celsius and Fahrenheit before use.

### To change from Celsius temperature indication to Fahrenheit one

- 1 Press and hold down  at the same time for 5 seconds while the Celsius temperature is indicated.



### To change from Fahrenheit temperature indication to Celsius one

- 2 Press and hold down  at the same time for 5 seconds while the Fahrenheit temperature is indicated.



## Notes

### ■ Temperature indication change between Celsius and Fahrenheit on the remote controller

- Change the temperature indication in the modes other than the DRY mode.  
In the DRY mode, temperature indication setting cannot be changed because the temperature is not indicated.
- When the Fahrenheit temperature indication is changed to Celsius one, the temperature value (0.5°C) will be rounded up. Thus, the preset temperature may be changed.

#### Example:


A preset temperature of 65°F (equivalent to 18.5°C) will be changed to 19°C (66°F) by changing the temperature indication. In this case, if you change the Celsius temperature indication again to the Fahrenheit one, the preset temperature is shown not as 65°F but as 66°F (equivalent to 19°C). If the preset temperature is 66°F (equivalent to 19°C) and is changed to the Celsius temperature indication, the indication becomes 19°C (66°F). In this case, no change by the temperature indication change is observed.

- When the temperature indication change is set, the preset temperature is transmitted to the indoor unit so that the reception sound will be heard from the indoor unit.


# Automatic-DRY-Cooling-Heating Operation


Select your desired operation mode.


Once preset, the system can get restarted in the same operation mode.


- Press  to select your desired operation mode.

  - Each time the button is pressed, the mode changes as follows.


  
 (Automatic)


  
 (DRY)

  
 (Heating)

  
 (Cooling)

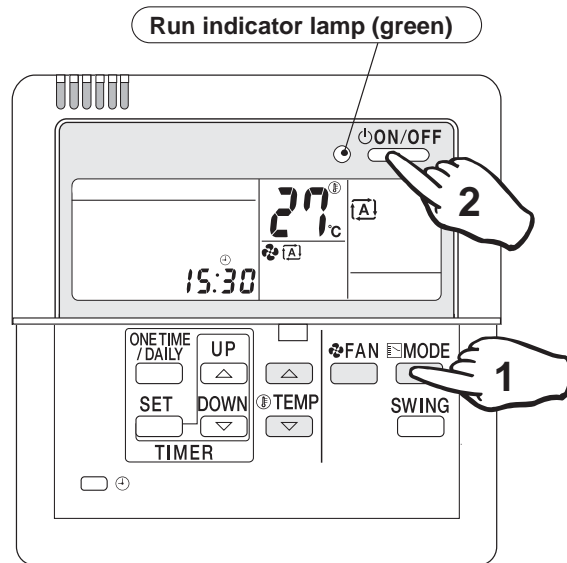
Heat pump model

  
 (DRY)

  
 (Cooling)

Cooling only model


  - The system does not have the FAN mode.



- Press  .

The run indicator lamp lights up.

### ■ To stop the operation:

- Press  again.
- The run indicator lamp goes out.

#### Automatic operation

- In Automatic, the temperature setting and operation mode (DRY, Cooling or Heating) are automatically selected according to the room temperature and outdoor temperature at the time of starting operation.

#### DRY operation

- In this mode, humidity is removed from the air.

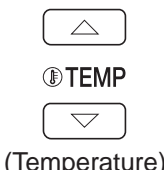
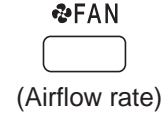






#### Note

- While running in the DRY mode, you may feel cool or warm air from the air outlet. In this case, readjust the airflow direction with the vertical airflow direction louvers. (except Duct Connected type)



■ To adjust the temperature and airflow rate:

| Setting to be adjusted / Operation mode                                                             | Automatic                                                                                                                                                                                                                                                                                                                                                                                                              | Cooling | Heating | DRY                              |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|----------------------------------|
| <br>(Temperature)  | Temperature is adjustable.<br>Recommended temperature<br>Cooling : 26°C-28°C (79°F~82°F)<br>Heating : 20°C-22°C (68°F~72°F)                                                                                                                                                                                                                                                                                            |         |         | Temperature cannot be adjusted.  |
| <br>(Airflow rate) | Five levels of airflow rate setting from "  " to "  " plus "  " are available.<br> |         |         | Airflow rate cannot be adjusted. |

- When the unit runs in the cooling or heating mode at a low airflow rate, the cooling or heating effect may be insufficient.

■ To adjust the airflow direction:

(  page 9)


**Heating operation**

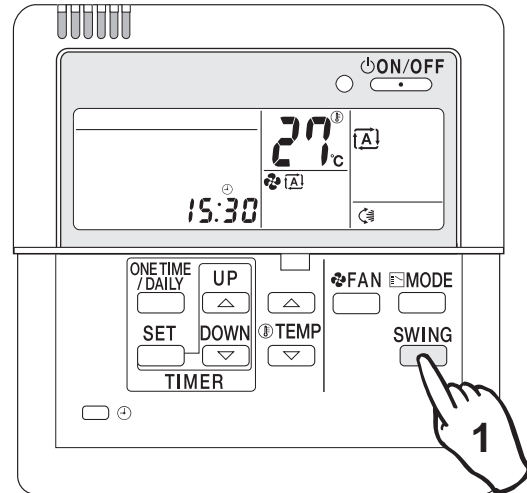
- Since the heating operation is performed by taking the heat from outdoor into the room, the heating capacity decreases as the outdoor temperature lowers. If the room is not heated sufficiently, it is recommended to use other heating appliance at the same time.
- Since the air conditioner heats the whole room by circulating hot air, it takes some time to heat the entire room completely.
- If the outdoor unit gets frosted during heating operation, the heating capacity is decreased. In this case, the unit starts defrosting operation.
- No hot air comes out of the indoor unit during defrosting operation.

# Adjusting Airflow Direction

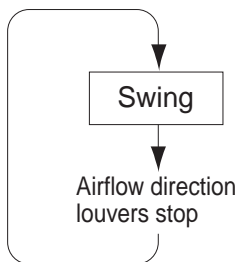
Adjust the airflow direction for maximum comfort.

## To adjust the Airflow Direction

- 1 Press  during operation.
  - Each time the button is pressed, the airflow direction louvers change their movement.



## ■ Wall Mounted Types (without horizontal swing function)



The horizontal airflow direction louvers move up and down.

The louvers stop just when the button is pressed.

### Adjustment of horizontal airflow direction

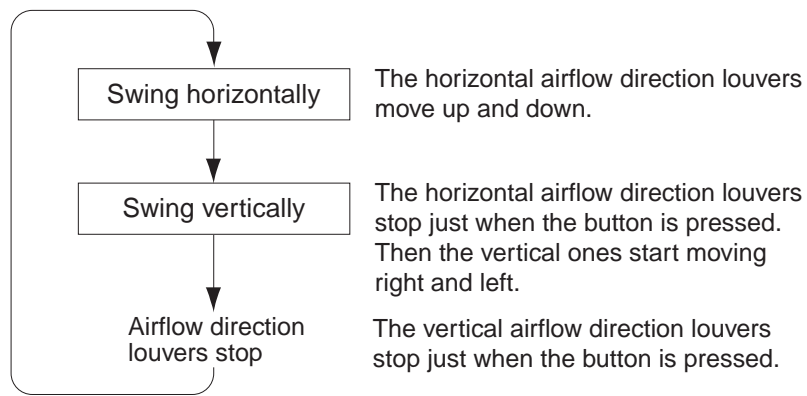
- The automatic moving range of the horizontal airflow direction louvers varies depending on the operation mode.



#### Notes

- In fixing the horizontal airflow direction, keep the horizontal airflow direction louvers tilted downward in the heating mode, and keep them nearly horizontal level in the cooling or DRY mode. This will enhance the cooling and heating effect.
- On the air conditioners with vertical and horizontal swing function, be sure to adjust the airflow directions using the remote controller. Do not forcibly adjust louvers by hand or a malfunction may occur.

## ■ Wall Mounted Type (with horizontal swing function)



- The vertical and horizontal louvers cannot move at the same time.

## ■ Duct Connected Type (without swing function)

This function cannot be used.



### Note


- The operating procedure and remote controller display are different depending on the indoor unit being connected. Read **How to Adjust the Airflow Direction** in the air conditioner's Operation Manual.

# Timer Operation

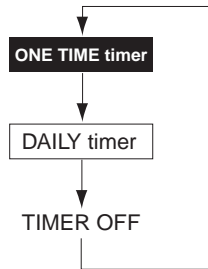
The Timer Operation feature automatically turns off operation when you go to sleep and turns it back on when you wake up.

Use the DAILY Timer mode on weekdays, and the ONE TIME timer mode on weekends.

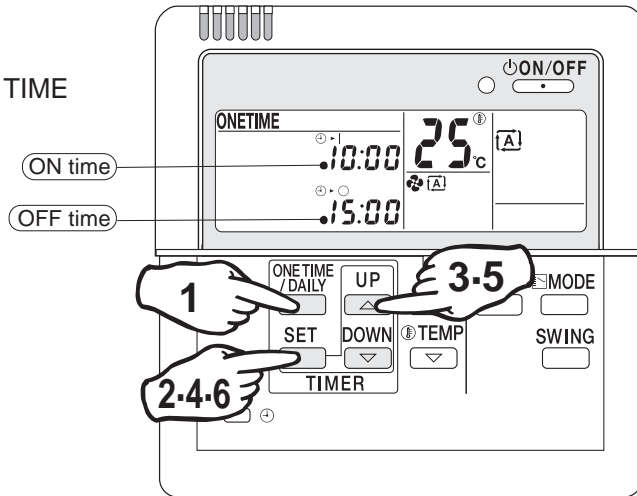
## ■ To select the ONE TIME timer mode:

1 Press  to select the ONE TIME timer mode.

- Each time the button is pressed, the modes change as follows.




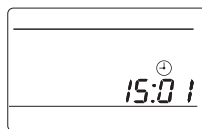
The timer lamp lights up.



(Timer settings displayed)

## ■ To cancel the timer settings:

1 Press  to clear the timer settings.



The **ONE TIME** or **DAILY TIMER** disappears from the display, and the timer lamp goes out too.



### Notes

- Even when the timer has been off, its programmed settings are still in memory.
- If the system has the timer control ON but you start and stop it manually using the ON/OFF button before the designated ON time, the system will restart again at the programmed ON time.

### Precautions in setting the timer

- Before starting the timer operation, make sure the current time is correct. If not, set the clock correctly. (☞ page 5)
- In making time settings, --:-- is displayed to make it easy to disable the timer too.
- If one minute has passed before making any timer setting, the previous timer settings are reintroduced and the timer is on standby.

In this case, use the  (time setting) button and make your desired timer settings.

### Timer operation

- When the ON timer is programmed, the system starts one hour (maximum) earlier so that the temperature set by the remote controller is reached just in time.
- When the ONE TIME timer is programmed, the current time is no longer displayed.


**■ ONE TIME timer**

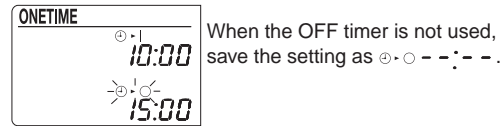
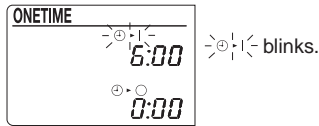
Once the timer has been activated and then deactivated, it is in the OFF mode. The ON or OFF timers can be programmed.


**1** Press  to select the ONE TIME timer. **4** Press .




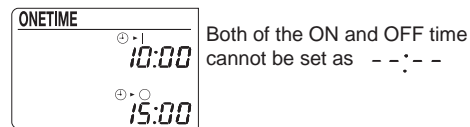
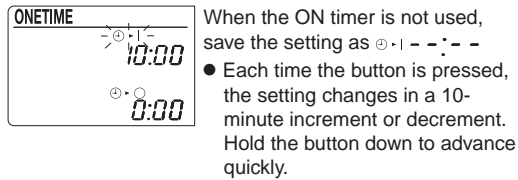
**2** Press .

**5** Press  to make the OFF timer setting.

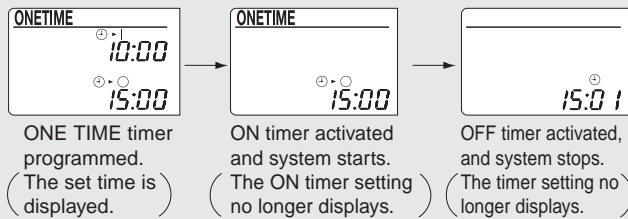


**3** Press  to make the ON timer setting.

**6** Press . (The ONE TIME timer is now programmed.)



**Example of display with the ONE TIME timer programmed**




**Notes**

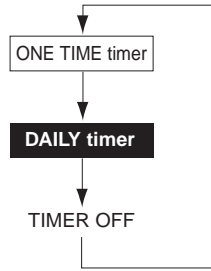
- In the following cases, reset the clock (the time setting is kept in the memory).
  - The circuit breaker has been activated.
  - The power fails.

# Timer Operation

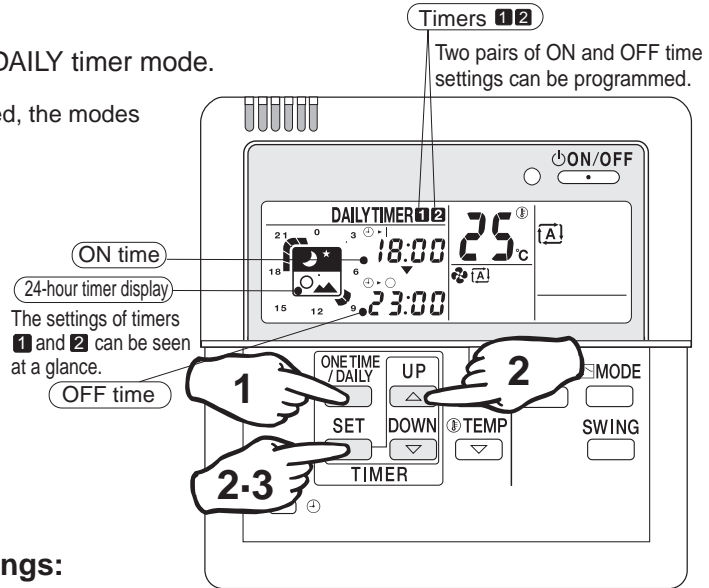
## ■ To select the DAILY timer mode:

1 Press  to select the DAILY timer mode.

- Each time the button is pressed, the modes change as follows.




The timer lamp lights up.



(Timer settings displayed)

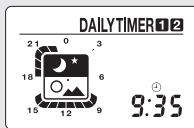
## ■ To cancel the timer settings:

1 Press  to clear the timer settings.

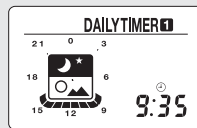


The **ONE TIME** or **DAILY TIMER**, and the timer lamp are no longer displayed.

### Example of display with DAILY timer programmed



Timers **1** and **2** programmed.



Timer **1** alone programmed.





### Note




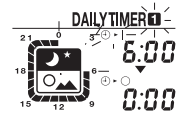
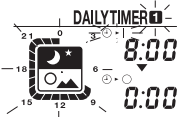
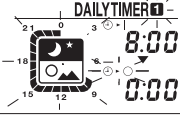
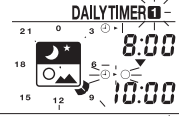
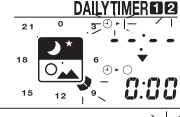
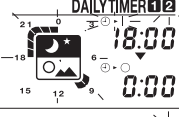
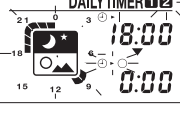
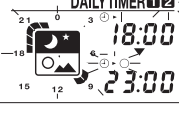
- The system starts and stops repeatedly until the DAILY timer is set off. Before you leave home for a long time, set the DAILY timer off.

**■ DAILY timer**

After programming, the system starts and stops each day at the preset times. Two pairs of time settings can be programmed.

(Example: 8:00 ~ 10:00, and 18:00 ~ 23:00)

- 1 Press  to select the DAILY timer.  lights up. DAILY timer indication appears.
- 2 Make the ON and OFF time settings. • Take the steps from ① to ⑧.  
Program example: 8:00 ~ 10:00, and 18:00 ~ 23:00

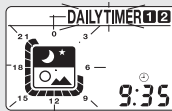
| Settings |                                                                                  | Procedure                                                                               |                                                                                                                                                                                                             |
|----------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                  | Press  | Press  to make the timer setting.<br> |
| Timer 1  | ON time setting<br>• When the timer 1 is not used, save the setting as ①· ---:-- | ①      | ②                                                                                                                        |
|          | OFF time setting                                                                 | ③     | ④                                                                                                                       |
| Timer 2  | ON time setting<br>• When the timer 2 is not used, save the setting as ⑤· ---:-- | ⑤    | ⑥                                                                                                                      |
|          | OFF time setting                                                                 | ⑦    | ⑧                                                                                                                      |

- 3 Press  . The DAILY timer is now programmed.



**Note**

- If the following appears on the display, the timer must be reprogrammed.



The 24-hour timer display is blinking.

This means that Timers 1 and 2 are programmed for the same time settings. New time settings must be made.



The 24-hour timer display is blinking.

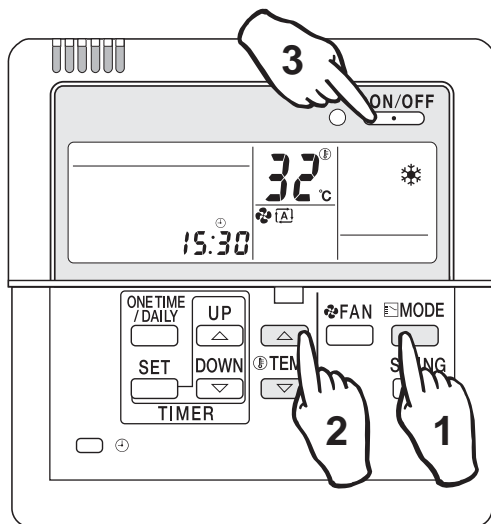
This means that the timer has not been programmed yet.

# Cleaning

## Cleaning the remote controller

- Wipe it clean with soft, dry cloth.  
Do not use any water hotter than 40°C (104°F), or volatile liquids such as benzine, gasoline and thinner, polishing powder, or anything hard such as a scrub brush.

## When the unit is not used for a long time



- ① On a sunny day, keep the system running for half a day in the FAN mode to dry it up inside.

### FAN mode

- 1 Press to select the cooling mode.
  - 2 Press to adjust the set temperature to 32°C (90°F).
  - 3 Press .
    - The airflow rate remains the same, and is not adjustable.
    - Run the system when the room temperature is below 28°C (82°F).
- ② Finally turn off the circuit breaker dedicated for the room air conditioner.
  - ③ Clean the air filter and place it back into position.



### 3.2 <KRP413AB1S> Wiring Adaptor for Timer Clock / Remote Controller

#### Safety Precautions

Read these Safety Considerations carefully before installation and make sure the unit operates properly during startup. Instruct the constomer how to operate and maintain the unit.

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>⚠ WARNING</b> | Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.                                                       |
| <b>⚠ CAUTION</b> | Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. |

- After installation is complete, test the unit to confirm that it is working properly, and instruct the owner its proper use.

#### ⚠ WARNING

- Qualified personnel only must carry out the installatin work. Installation must be done in accordance with this installation manual. Improper installation could result in water leakage, electric shock, or fire.
- Use only specified accessories and parts for installation work. Failure to use specified parts could result in water leakage, electric shock, fire, or the unit falling. Install the air conditioner or heat pump on a foundation strong enough that it can withstand the weight of the unit. A foundation of insufficient strength could result in the unit falling and causing injuries.
- Position wiring so that the terminal box lid can be securely fastened. Do not bundle the power cord or attempt to extend it by splicing it with another cord, or by using an extension cord. Do not place any other load on the power circuit used for the unit. Improper positioning of the terminal box lid could result in electric shocks, fire, or the terminal overheating. Use dedicated wiring for all electrical connections, and be sure to arrange the wiring so that force applied to the wiring will not damage the terminals. Poor wiring or installation may cause electric shock, heat generation, or fire.

#### ⚠ CAUTION

- Before installation, unplug the air conditioner to ensure safety. Failure to do so may cause electric shock.
- Static electricity may damage electric components. Before connecting cables and communication lines, and operating the switches, be sure to discharge any electrical charge from your body (by, for example, touching the earth line)
- Do not install the unit in a location where it may be exposed to flammable gases. If gas leaks and build up around the unit, it may catch fire.
- Do not place the wiring close to the power cord, inter-unit cable, or pipes which generate noise. Treat the wiring with care.

#### 1. Functions and Features

- On/Off setting
- Switching between Instantaneous Contact/Normal Contact
- Connection with five-room central controller (KRC72 for oversea model)
- Connection with fan coil remote controller
- Automatic reset after power failure
- Output of normal operation signals/malfunction signals

#### 2. Field Wiring

For interconnecting wiring, use Daikin KDC100A12 cable (not supplied) or other similar cable. Use a vinyl-covered wire or cable with four conductors each with a thickness of 0.2 to 1.25 mm<sup>2</sup>.

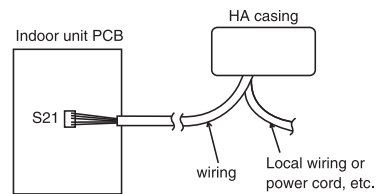
##### ■ Optional cable KDC100A12 (without connectors)

Specifications: 0.2 mm<sup>2</sup> × 4 core (sheathed)  
 Outer diameter: φ5.3  
 Length: 100 m  
 Color: Grey

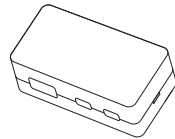
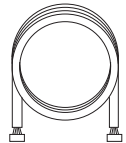
Note : Keep any wiring for the control unit away from the power cord to prevent electrical noise.

## Installation ①

### 1 Installation diagram



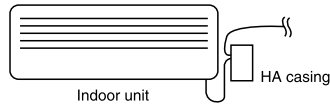
### 2 Components

|                                                                                                                                                                |                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| ① HA casing ASSY<br>(Remote Control PCB is attached in the HA casing.)<br> | ② Wiring (approx. 0.8 m)<br> |
| ③ Accessories<br>Binding band (6 pcs.)<br>• Screws for attaching to the wall (3 pcs.)                                                                          |                                                                                                                   |
| ④ Installation manual                                                                                                                                          |                                                                                                                   |

## Installation ②

### Attaching HA Case ASSY

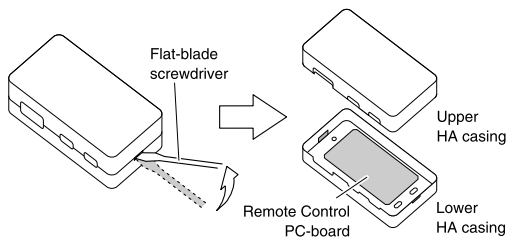
- Use the 3 supplied screws to attach the HA casing ASSY.



Install the HA casing ASSY as close to the indoor unit as possible.

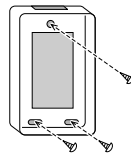
#### ① Removal of upper HA casing

- (1) Insert a flat-blade screwdriver into the groove between the upper and lower HA casings.



- (2) Lift the handle of the screwdriver upward.

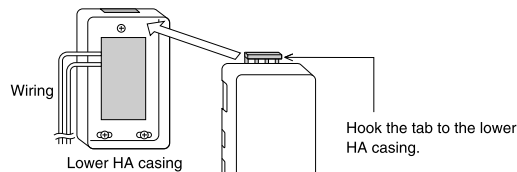
- ② Mount and secure the lower HA casing directly on the wall with the provided screws inserted into the screw holes (a round hole and two ellipse holes) of the casing.



#### NOTE

Mount the HA casing in a direction where the wiring through-holes will be hidden in order to prevent infants from putting their fingers into the HA casing and the LED light on the internal PC-board from leaking outside.

- ③ After connecting the cables (refer to the following sections), replace the case front. Be careful not to damage the wiring in the case.



Press the lower part of the upper HA casing and press fit it onto the lower HA casing.  
Press the upper HA casing precisely until a clicking sound is heard.

## Wiring ①

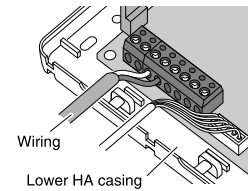
### 1. Wiring

- ① Connect one end of the wiring to connector S21 of the PCB in the indoor unit.
- ② Connect the other end of the wiring to connector S6 of the Remote Control PCB.
- ③ Connect field wiring according to the functions assigned to each connection terminal of the Remote Control PCB.
- ④ Secure all wires.

#### 1 Securing wires in the HA casing ASSY

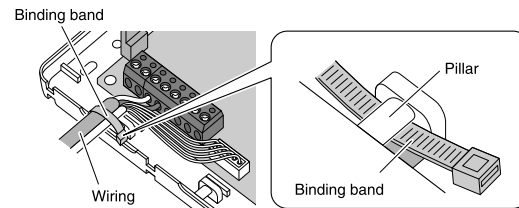
##### ① Connection of wiring

Connect the wiring to the connector terminals.

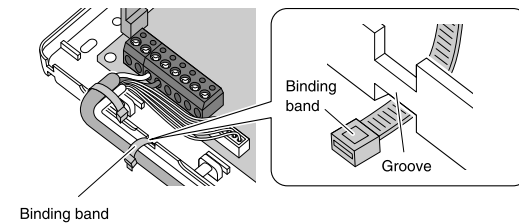


##### ② Fixation of wiring

- (1) Insert the provided binding band under the pillar of the HA casing and secure the covers of the wiring with the binding band.



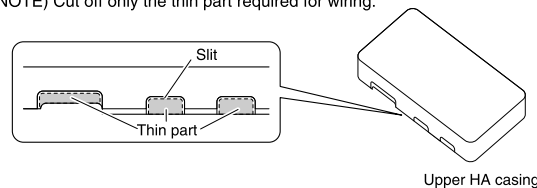
- (2) Insert the second binding band into the groove on the side of the HA casing and fix the wiring securely so that the wiring will not be disconnected.



#### A large number of wires

Make a slit with an appropriate tool, such as a cutter knife, on the thin part of the upper HA casing along the frame. Then cut the part with an appropriate tool, such as a pair of nippers.

(NOTE) Cut off only the thin part required for wiring.



#### 2 Securing wires in the indoor unit

- The method for securing wire varies depending on the model of the air conditioner. See your air conditioner installation manual for details.

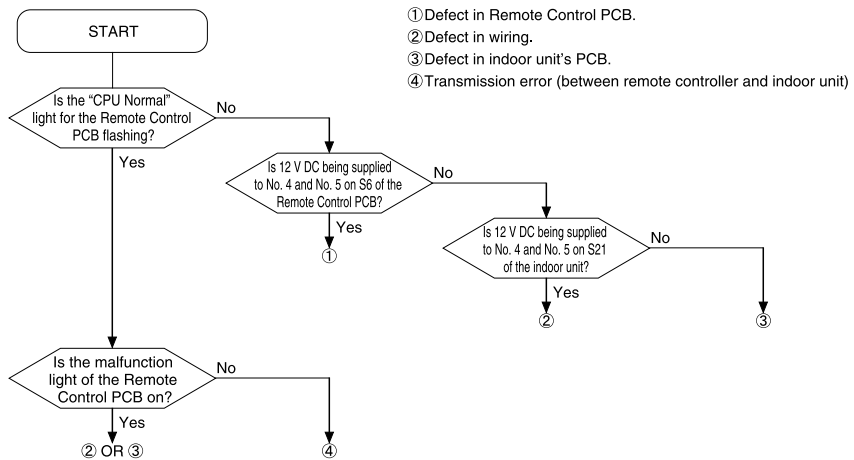


## Test Operation and Confirmation

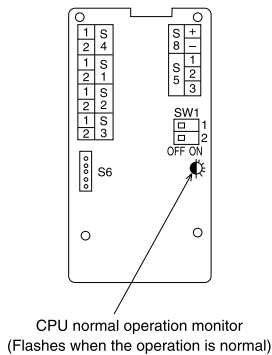
### 1. When the System is Not Working

- Is the air conditioner working properly?
- Are the connectors of the wiring properly connected?
- Are the remote controller and field wiring properly connected?
- Are all switch settings correct?
- If there is nothing apparently wrong, conduct a diagnostic check using the following procedure.

■ Diagnostic check



### 2. Switch Settings and Connection Terminals



|                |                                                               |                                                            |                                                                                                            |                                 |                    |
|----------------|---------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|
| SW1-1          | Selecting the operation mode                                  | OFF                                                        | Operation mode 1 (Used with the exception of fan coil remote controller settings)                          |                                 |                    |
|                |                                                               | ON                                                         | Operation mode 2 (Used with fan coil remote controller settings)                                           |                                 |                    |
| SW1-2          | Selecting On/Off when power is restored after a power failure | OFF                                                        | Always Off                                                                                                 |                                 |                    |
|                |                                                               | ON                                                         | Off if operation was in Off mode before power failure; On if operation was in On mode before power failure |                                 |                    |
| S1<br>S2<br>S3 | SW1-1: OFF<br>(Operation mode 1)                              |                                                            |                                                                                                            | Instantaneous contact           | Normal contact     |
|                |                                                               | S1 (1) - S2 (1)                                            |                                                                                                            | OPEN                            | CLOSE              |
|                |                                                               | S1 (1) - S1 (2)                                            |                                                                                                            | Pulse input<br>On/Off switching |                    |
|                |                                                               | S2 (2), S3                                                 |                                                                                                            | Not used                        |                    |
|                |                                                               | S1, S2 OPEN                                                |                                                                                                            | Not activated                   |                    |
|                | SW1-1: ON<br>(Operation mode 2)                               |                                                            | S1 (1) - S1 (2) CLOSE                                                                                      |                                 | On, airflow: L tap |
|                |                                                               |                                                            | S1 (1) - S2 (1) CLOSE                                                                                      |                                 | On, airflow: M tap |
|                |                                                               |                                                            | S1 (1) - S2 (2) CLOSE                                                                                      |                                 | On, airflow: H tap |
|                |                                                               |                                                            | S3 (With the remote controller only)                                                                       |                                 |                    |
|                |                                                               |                                                            | OPEN                                                                                                       | Cooling                         |                    |
|                |                                                               | CLOSE                                                      | Heating                                                                                                    |                                 |                    |
| S4             | (1) - (2)                                                     | Voltage on (12 V DC), normal operation light output        |                                                                                                            |                                 |                    |
| S5             | (1) - (2)                                                     | Normal operation light output (power for light required)   |                                                                                                            |                                 |                    |
|                | (1) - (3)                                                     | Malfunction light output (power for light required)        |                                                                                                            |                                 |                    |
| S6 connector   |                                                               | Connect with connector S21 on the PCB of the indoor unit   |                                                                                                            |                                 |                    |
| S8             | (+) - (-)                                                     | Relay 12 V DC power supply terminal (Field supplied parts) |                                                                                                            |                                 |                    |

### 3.3 <KRP928BB2S> Interface Adaptor for DIII-NET (Residential Air Conditioner)

#### Safety Considerations

Read these Safety Considerations carefully before installation and make sure the unit operates properly during startup. Instruct the customer how to operate and maintain the unit.

- ⚠ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ⚠ CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**⚠ WARNING**

- Always use a licensed installer or contractor to install this product. Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.
- Improper installation can result in water or refrigerant leakage, electrical shock, fire, or explosion.
- Use only specified specified accessories and parts for installation work. Failure to use specified parts could result in water leakage, electric shocks, fire, or the unit falling.
- Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections during installation could result in fire.

**⚠ CAUTION**

- **A ground fault circuit interrupter / an earth leakage circuit breaker should be installed.**  
If the breaker is not installed, electrical shock may occur.
- **Do not install the set in a location where there is danger of exposure to inflammable gas.**  
Gas accumulated around the unit at the worst may cause fire.
- **To prevent damage due to electrostatic discharge, touch your hand to a nearby metal object (doorknob, aluminum sash, etc.) to discharge static electricity from your body before touching this kit.**  
Static electricity can damage this kit.
- **Lay this cable separately from other power cables to avoid external electrical noises.**

- After installation is complete, test the operation of the PCB set to check for problems, and explain how to use the set to the end-user.

#### 1. Overview, Features and Compatible Models

This kit is the interface required when connecting the central controller and a Room Air Conditioner. Use of the central controller makes it possible to perform the following monitoring and operations. It is compatible with room air conditioners which have an HA connector S21.


1. Run / stop for the central controller and wired remote controller, operating mode selection, and temperature can be set.
2. The operating status, any errors, and the content of those errors can be monitored from the central controller and wired remote controller.
3. Run / stop for the central controller and wireless remote controller, operating mode selection, and the temperature setting can be limited by the central controller.
4. Zone control can be performed from the central controller.
5. The unit can remember the operating status of the air conditioner before a power outage and then start operating in the same status when the power comes back on.
6. Card keys, operating control panels, and other constant / instantaneous connection-compatible equipment can be connected.
7. The Operating / error signals can be read.
8. The indoor temperature can be monitored from the Intelligent Touch Controller.

#### Precaution

1. When reading the Operating / error signals, a separate external power source (12 V DC) is needed.
2. A separate timer power source (16 V DC) is needed when using the schedule timer independently, and not in conjunction with other central controllers.
3. The range of temperatures that can be set from the central controller is 18°C to 32°C in cooling and 14°C to 28°C in heating.
4. Fan operation cannot be selected from the central controller or wired remote controller.
5. Group control (i.e., control of multiple indoor units with a single remote controller) is not available.
6. Monitoring is not available of the thermo status, compressor operating status, indoor fan operating status, electric heater, or humidifier operating status.
7. Forced thermo off, filter sign display and reset, fan direction and speed settings, air conditioning fee management, energy savings instructions, low-noise instructions, and demand instructions cannot be made.

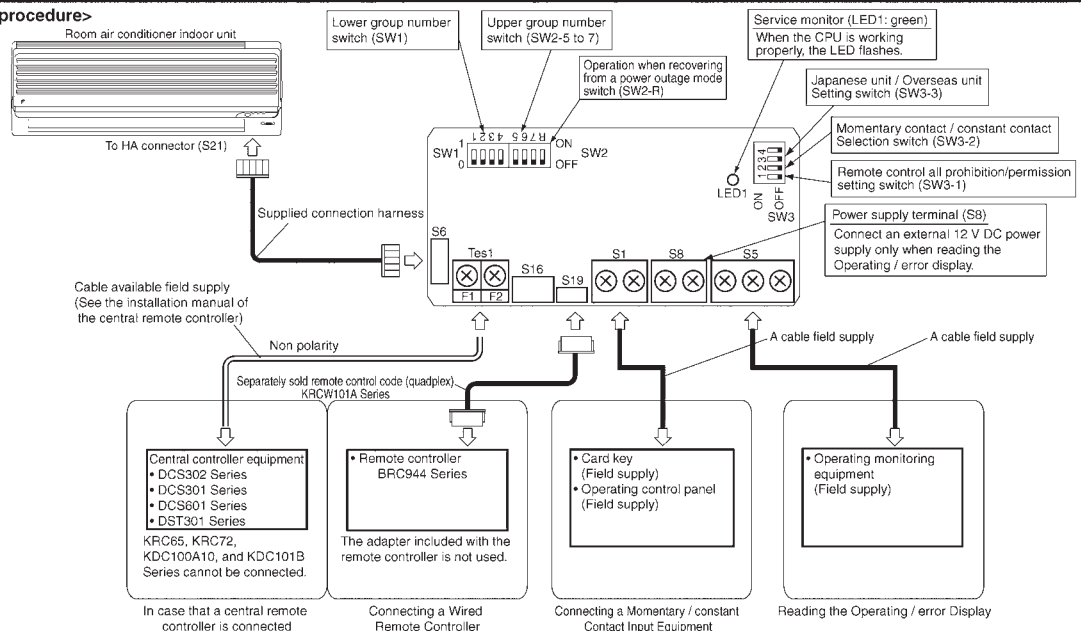
#### 2. Component Parts

This kit includes the following components. Check to ensure that none of these are missing.

| Parts                                                                                | Q'ty | Parts                           | Q'ty  |
|--------------------------------------------------------------------------------------|------|---------------------------------|-------|
| Kit assy<br>PCB is in the housing.                                                   | 1    | Connection harness (about 1.6m) | 1set  |
|  |      | Mounting screws                 | 3pcs. |
|                                                                                      |      | Binding band                    | 6pc.  |
|                                                                                      |      | Installation manual             | 2set  |

#### 3. Names of Parts and Electric Wiring

##### <Wiring procedure>



### 4. Switch Settings

**NOTE** Turn the power on after all the switches have been set. Settings made while the power is on are invalid.

Open the Kit's case and set the switches on the circuit board.  
 (1) For Overseas / Japanese unit setting (SW3-3)  
 Room air conditioners, different methods are used for setting the temperature in automatic mode, so this switch needs to be set.

| Destination | SW3-3 setting         | What Happens                                                                                                                                                                                                                                                                               |
|-------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Japan       | OFF (Factory setting) | "Automatic" operation is not available from the central controller. When using "automatic" operation using the wireless remote controller, the central controller displays automatic cooling (heating) and 25°C. Even if the temperature is changed, it will return to 25°C after a while. |
| Overseas    | ON                    | "Automatic" operation is available from the central controller.                                                                                                                                                                                                                            |

(2) Group number settings (SW1 and SW2-5 to SW2-7)  
 Set these when using the central controller. (Set to the side.) Do not set more than one unit to the same number.  
 Use SW2-R for (3) Settings when recovering from a power outage.

However, these settings do not need to be made when using the schedule timer independently. (The settings are needed when used in conjunction with another DCS Series central controller.)  
 In this case, the schedule timer performs an auto address after the power is turned on, so new group numbers are automatically set. Settings made using the switches will be overwritten.

| Upper group NO. | Knob position | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
|-----------------|---------------|----|----|----|----|----|----|----|----|
| SW2 setting     | OFF           |    |    |    |    |    |    |    |    |
| Lower group NO. |               | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| SW1 setting     | OFF           |    |    |    |    |    |    |    |    |
| Lower group NO. |               | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 |
| SW1 setting     | OFF           |    |    |    |    |    |    |    |    |

**NOTE** also that a separate timer power source is needed when using the schedule timer independently.  
 Power source specs: 16 V DC, +10%, -15%, 200mA.

(3) Settings when recovering from a power outage (SW2-R)  
 This selects whether to restart operation when the power comes back on after a power outage occurred during operation. This setting is given priority in cases where the indoor unit has an auto start ON / OFF jumper. Note also that regardless of whether switch SW2-R is on or off, the operating mode (NOTE), set temperature, fan direction and speed settings, and remote control prohibition status are stored.

| SW2-R setting         | What Happens                                                                      |
|-----------------------|-----------------------------------------------------------------------------------|
| OFF (Factory setting) | Stops after recovering from a power outage                                        |
| ON                    | Stops if the unit was stopped before the power outage and runs if it was running. |

(NOTE) The following settings apply to the models below.

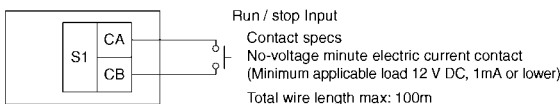
| Mode before the power outage                                     | Room air conditioner                                             | COOLING     | HEATING       |
|------------------------------------------------------------------|------------------------------------------------------------------|-------------|---------------|
| Models with Humid heating and Reheating dehumidifying functions. | Models with Humid heating and Reheating dehumidifying functions. | DRY COOLING | HUMID HEATING |
|                                                                  | Models with Reheating dehumidifying function.                    |             | HEATING       |

(4) Contact input function settings (SW3-1 to SW3-2)  
 When using contact input (S1), choose one of the following functions.

| S1 operating mode                               | SW3-1 setting | SW3-2 setting | What Happens                                                                                           | Control mode                                                                      |
|-------------------------------------------------|---------------|---------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Instantaneous contact input (factory setting)   | OFF           | OFF           | The operating status of the air conditioner is reversed by an instantaneous input of 100 msec or more. | Last command priority                                                             |
| Constant contact input                          | OFF           | ON            | Contact - Open to close: air condition runs. Close to open: air conditioner is stopped (NOTE 1).       | ON / OFF control is rejected (operate / stop / timer prohibition) (NOTE 2).       |
| Remote control all prohibition/permission input | ON            | Invalid       | Contact - Open to close: air condition stops. Close to open: no change in operating status.            | All remote controller actions are prohibited when the contact is closed. (NOTE 3) |

**NOTE1:** Since central equipment uses last command priority, the contact status and operating status of the air conditioner might not match sometimes.  
 Example: If the unit is run from the central controller while the air conditioner is stopped with an open contact, the contact will be open and the unit will be running.

**NOTE2:** Operating mode and fan direction and speed settings can be changed.  
**NOTE3:** If the contact is closed while the ON timer is set, as the power ON timer function is still operating, the operation starts at the time specified by the timer. To prevent operation of the power ON timer, use of the (KRP413AB1S) remote control PC-board set is recommended. However, note that it cannot be used in tandem with the central controller.



### 5. Control Codes

When using a central remote controller, the operating codes can be used to limit operation from wireless remote controllers. Three beeps for signal reception will be heard continuously when the wireless remote controller is operated while in central control.  
 ○ : permitted; × : prohibited

| S1 operating mode                            | Control mode                                     | Control code   | Operations from the remote controller |      |                            |                             |             |      | Operations from central controller and contact input |   |
|----------------------------------------------|--------------------------------------------------|----------------|---------------------------------------|------|----------------------------|-----------------------------|-------------|------|------------------------------------------------------|---|
|                                              |                                                  |                | Run / timer                           | Stop | Operating mode temperature | Fan direction and fan speed | Run / timer | Stop |                                                      |   |
| Instantaneous contact mode                   | ON / OFF control is rejected                     | 0,1,3<br>10,11 | ×                                     | ×    | ○                          |                             |             | ×    | ×                                                    | ○ |
|                                              | Only OFF control is accepted                     | 2<br>12-19     | ×                                     | ○    | ×                          |                             |             | ×    | ○                                                    | × |
|                                              | Central priority                                 | 4<br>5         | ○                                     | ○    | ○                          |                             |             | ×    | ×                                                    | ○ |
|                                              | Last command priority                            | 6,7            | ○                                     | ○    | ○                          |                             |             | ○    | ○                                                    | ○ |
|                                              | Timer operation is accepted by remote controller | 8<br>9         | ○*                                    | ○*   | ○*                         | ○                           |             | ×    | ×                                                    | ○ |
| Constant contact mode                        | 2,10-19<br>0,1,3,5-7                             | 4              | ×                                     | ×    | ○                          |                             |             | ×    | ×                                                    | ○ |
|                                              |                                                  | 8              |                                       |      | ○*                         |                             |             |      |                                                      | ○ |
|                                              |                                                  | 9              |                                       |      | ○*                         |                             |             |      |                                                      | ○ |
|                                              |                                                  | 9              |                                       |      | ○*                         |                             |             |      |                                                      | ○ |
| All remote controller actions are prohibited |                                                  |                | ×                                     | ×    | ×                          | ×                           | ×           | ×    | ×                                                    | × |

\*Only during timer operation

The remote controller permission / prohibition settings using the Intelligent Touch Controller are as follows.  
 ○ : permitted; × : prohibited

| S1 pin operating mode                        | Intelligent Touch Controller settings |                       |                          | Operations from the remote controller |      |                            |                             | Operations from central controller and contact input |
|----------------------------------------------|---------------------------------------|-----------------------|--------------------------|---------------------------------------|------|----------------------------|-----------------------------|------------------------------------------------------|
|                                              | Start / stop                          | Change operating mode | Change set temperature   | Run / timer                           | Stop | Operating mode temperature | Fan direction and fan speed |                                                      |
| Instantaneous contact mode                   | ON / OFF control is rejected          | permitted             | permitted/prohibited     | ×                                     | ×    | ○                          |                             |                                                      |
| Constant contact mode                        | permitted                             | permitted/prohibited  | ×                        | ×                                     | ×    |                            |                             |                                                      |
| Instantaneous contact mode                   | Only OFF control is accepted          | permitted             | permitted                | ×                                     | ×    | ○                          |                             |                                                      |
|                                              |                                       | prohibited            | permitted/prohibited     | ×                                     | ×    | ○                          |                             |                                                      |
| Constant contact mode                        | permitted                             | permitted/prohibited  | ×                        | ×                                     | ×    |                            |                             |                                                      |
| Instantaneous contact mode                   | Last command priority                 | permitted             | permitted/prohibited     | ×                                     | ×    | ○                          |                             |                                                      |
|                                              |                                       | prohibited            | permitted/prohibited     | ×                                     | ×    | ○                          |                             |                                                      |
| Constant contact mode                        | permitted                             | permitted/prohibited  | ×                        | ×                                     | ×    |                            |                             |                                                      |
| All remote controller actions are prohibited |                                       |                       | Does not affect settings | ×                                     | ×    | ×                          | ×                           |                                                      |

### 6. Read Operating / Error Display Signal

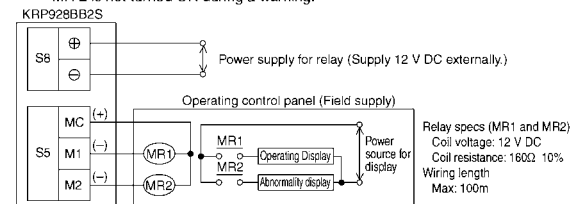
The Operating / error signals can be read from the contact output (S5).

Output specs

M1: Turn MR 1 ON when the air conditioner is running.

M2: Turn MR 2 when a communication error has occurred between the KRP928BB2S and the air conditioner, or MR 1 is ON and the unit has stopped after an error.

MR 2 is not turned ON during a warning.



### 7. Combining Equipment

The central controller can be combined with the following devices.

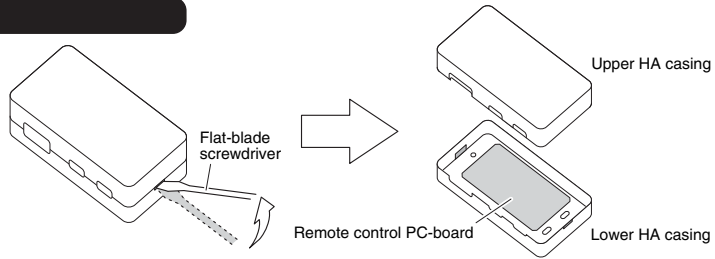
|                            | Central Remote Controller | ON / OFF controller | Schedule timer | D-BIPS | Contact input | Wired Remote Controller | Wireless Remote Controller |
|----------------------------|---------------------------|---------------------|----------------|--------|---------------|-------------------------|----------------------------|
| Central Remote Controller  | ○                         | ○                   | ○              | ○      | ○             | ○                       | ○                          |
| ON / OFF controller        | ○                         | ○                   | ○              | ○      | ○             | ○                       | ○                          |
| Schedule timer             | ○                         | ○                   | ×              | ×      | ○             | ○                       | ○                          |
| D-BIPS                     | ○                         | ○                   | ×              | ×      | ○             | ○                       | ○                          |
| Contact input              | ○                         | ○                   | ○              | ○      | ×             | ○                       | ○                          |
| Wired Remote Controller    | ○                         | ○                   | ○              | ○      | ○             | ×                       | ×                          |
| Wireless Remote Controller | ○                         | ○                   | ○              | ○      | ○             | ×                       | ○                          |

Connection to Remote Control PC-board

**Connection to Remote Control PC-board**

**1. Removal of upper HA casing**

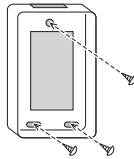
Insert a flat-blade screwdriver into the groove between the upper and lower casings.



Lift the handle of the screwdriver upward.

**2. Securing of lower HA casing**

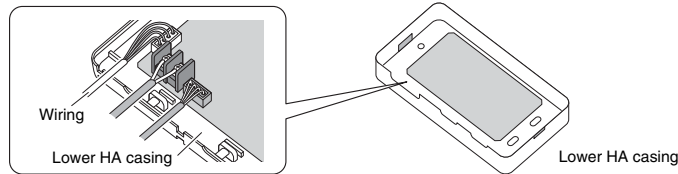
Mount and secure the lower HA casing directly on the wall with the provided screws inserted into the screw holes (a round hole and two ellipse holes) of the casing.



**NOTE** Mount the HA casing in a direction where the wiring through-holes will be hidden in order to prevent infants from putting their fingers into the HA casing and the LED light on the internal PC board from leaking outside.

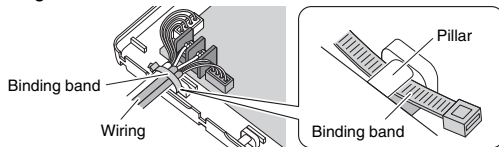
**3. Connection of wiring**

Connect the wiring to the connector terminals.

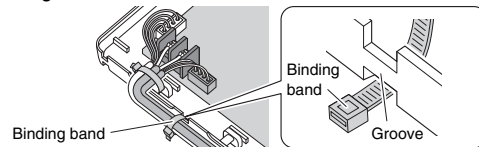


**4. Fixation of wiring**

Insert the provided binding band under the pillar of the HA casing and secure the covers of the wiring with the binding band.



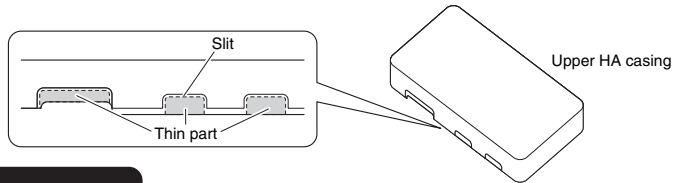
Insert the second binding band into the groove on the side of the HA casing and fix the wiring securely so that the wiring will not be disconnected.



**A large number of wires**

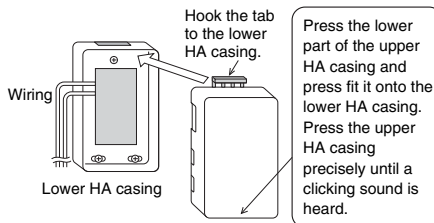
Make a slit with an appropriate tool, such as a cutter knife, on the thin part of the upper HA casing along the frame. Then cut the part with an appropriate tool, such as a pair of nippers.

(NOTE) Cut off only the thin part required for wiring.



**5. Finishing**

Mount the upper HA casing to the original position.



Press the lower part of the upper HA casing and press fit it onto the lower HA casing. Press the upper HA casing precisely until a clicking sound is heard.

**Information**

**When the contact input device (such as card keys) and central controller are used in tandem:**

Even when the operating mode of the S1 pin is set to prohibit all remote controller actions, run/stop operation from the central controller is possible. The operation also starts when the power ON timer of the indoor unit is up while all remote controller actions are prohibited. In this case, stop the operation from the central controller.

For the compatible models of the (KRC944 series) remote controller, the operation can be prohibited by using the remote controller in tandem with the central controller.

3P248024-3C

### 3.4 <KDT25N32, KDT25N50> Insulation Kit for High Humidity

**Caution**

- This kit can be installed to the Ceiling mounted Built-in Type Air Conditioners.<Slim duct type>
- When the Installation box for adapter PCB(KPP1B101)is used together, mount this kit before Installation box.
- It is recommended to mount this kit before installing the indoor unit.

**Combination table**

| Kit name      |               |          |
|---------------|---------------|----------|
| KDT25N32      | KDT25N50      | KDT25N63 |
| FDXS09/12LVJU | CDXS15/18LVJU |          |

**Details of parts**

| Designation      | ① Top plate insulation (T-1)      | ② Top plate insulation (T-2)     | ③ Side plate insulation (S-1) | ④ Side plate insulation (S-2) |
|------------------|-----------------------------------|----------------------------------|-------------------------------|-------------------------------|
| Shape            |                                   |                                  |                               |                               |
| Number of pieces | 1 pc.                             | 1 pc.                            | 2 pcs.                        | 1 pc.                         |
| Designation      | ⑤ Bottom plate insulation (B-1)   | ⑥ Chamber cover insulation (C-1) |                               |                               |
| Shape            |                                   |                                  |                               |                               |
| Number of pieces | 1 pc.                             | 1 pc.                            |                               |                               |
| Designation      | ⑦ Hanger (right) insulation (H-1) | ⑧ Hanger (left) insulation (H-2) | ⑨ Installation manual         |                               |
| Shape            |                                   |                                  |                               |                               |
| Number of pieces | 1 pc.                             | 1 pc.                            | 1 pc.                         |                               |

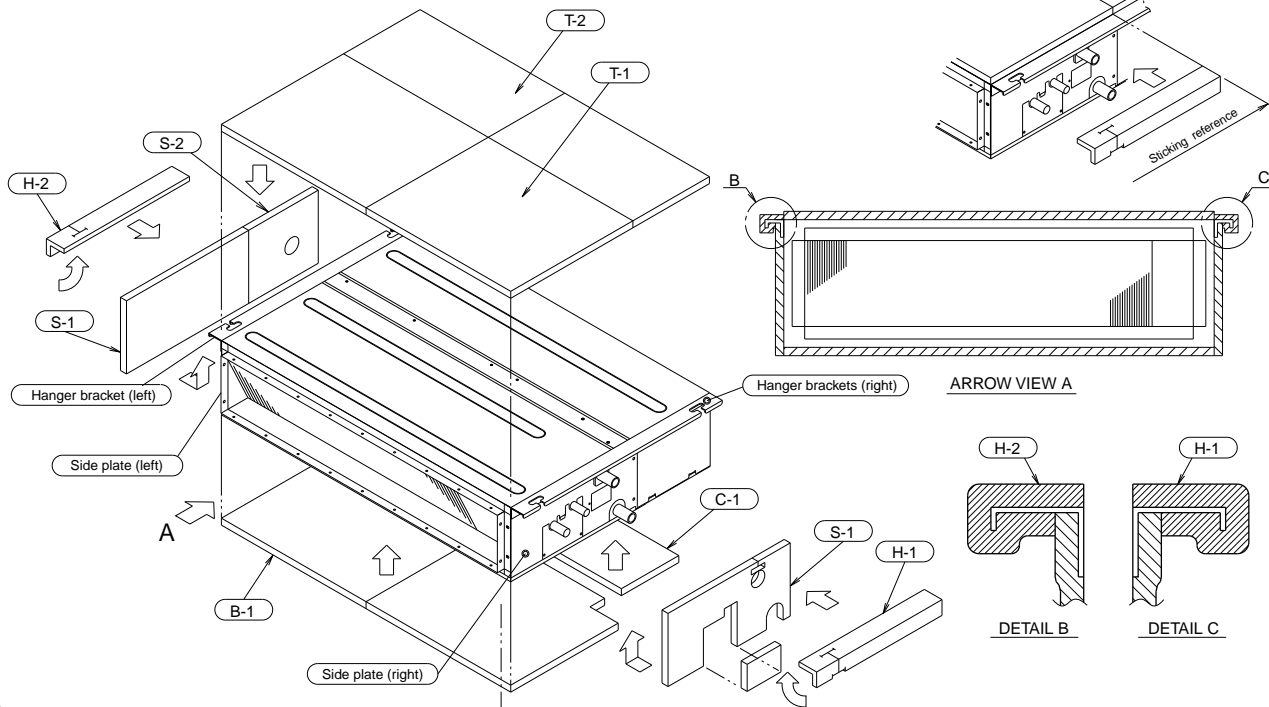
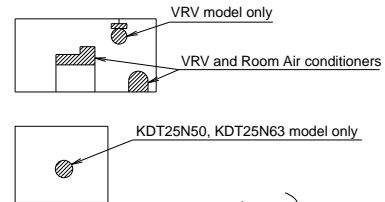
**1 How to attach**

⚠ When moving the unit at or after opening, hold the unit by the hanger brackets. ⚠  
Do not apply force to the refrigerant piping, drain piping or flange parts.

<Procedure> Stick the insulations carefully according to the following procedures and do not make a gap between the adjacent thermal insulations.

- (1) Stick the top plate insulation (T-1) , (T-2) to the indoor unit top plate.
- (2) Cut off the side plate insulation (S-1) following the score. (See the right figure)
- (3) Stick the side plate insulation (S-1) to the indoor unit right side plate.
- (4) Stick the side plate insulation (S-1) to the indoor unit left side plate without cutting off the area surrounded by the score.
- (5) Stick the side plate insulation (S-2) to the indoor unit left side plate.
- (6) Stick the bottom plate insulation (B-1) to the indoor unit bottom plate.
- (7) Stick the chamber cover insulation (C-1) to the indoor unit chamber cover.
- (8) Stick the hanger (left) insulation (H-2) and the hanger (right) insulation (H-1) to the left and right hangers respectively. (See the right figure for the sticking reference.)

Cut off the area shown with oblique lines and throw it away.

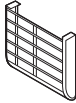

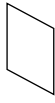


C: 3P131323-1E

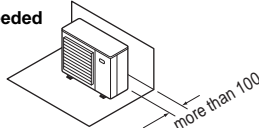


### 3.5 <KPW945A4> Air Direction Adjustment Grille

#### ■ Before installation

|                           |          |                                                                                   |                                                                                    |                                                                                     |
|---------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Check the following parts | Name     | Louver                                                                            | Truss tapping screw                                                                | Installation manual                                                                 |
|                           | Shape    |  |  |  |
|                           | Quantity | 1piece                                                                            | M4x4screws(max.7.5kW class)<br>M5x4screws(8.0/9.0kW class)                         | 1piece                                                                              |

#### ■ Installation Procedure

| Selection of Installation Location                                                                                                                                                                                                                                                                                                             | Space Needed for Installation                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Use when installing in a location that meets the following conditions.</p> <ul style="list-style-type: none"> <li>● When installing near the border to a neighbor's house</li> <li>● If exhaust blows directly on passers-by because outdoor unit is installed facing a road.</li> <li>● If exhaust blows directly on vegetation</li> </ul> | <ul style="list-style-type: none"> <li>● A minimum of 4" (100 mm) is needed between the back of the outdoor unit and any obstructions (walls, etc.)</li> </ul>  |

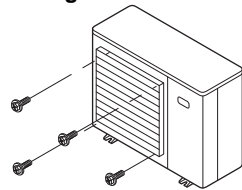
#### Installation of Louvers

**⚠ Caution**

Attach the louvers overlapping the standard grille.  
Installing the louvers without the grille enables hands inside the fan area, which is dangerous, so be sure to install the standard grille.

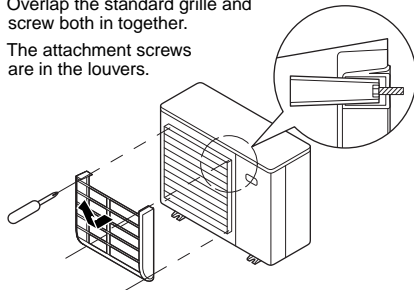
##### When pointing up

- (1) Remove the 4 attachment screws from the standard grille.

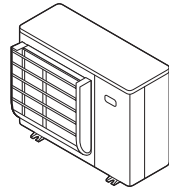


- (2) Install the louver pointed up.

- Overlap the standard grille and screw both in together.
- The attachment screws are in the louvers.

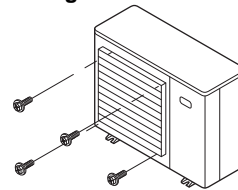


- (3) Installation complete



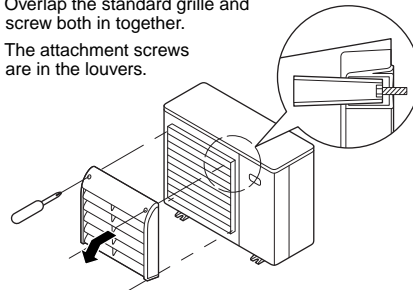
##### When pointing down

- (1) Remove the 4 attachment screws from the standard grille.

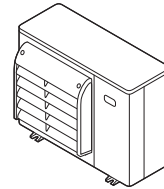


- (2) Install the louver pointed down.

- Overlap the standard grille and screw both in together.
- The attachment screws are in the louvers.



- (3) Installation complete



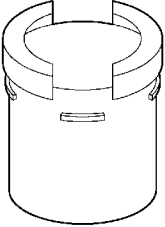
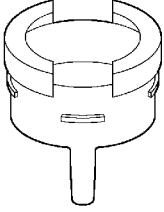
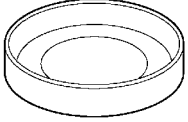
C: 3P089958-2C

### 3.6 <KKP945A4> Drain Plug

- Use this socket to connect a drain hose to dispose the drain from the outdoor unit.

#### ■ Before Installation

Check that this kit contains the following parts.

| Name     | ① Drain socket                                                                    | ② Drain cap                                                                       | ③ Drain receiver                                                                    |
|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Shape    |  |  |  |
| Quantity | 1 piece                                                                           | 2 pieces                                                                          | 3 pieces                                                                            |

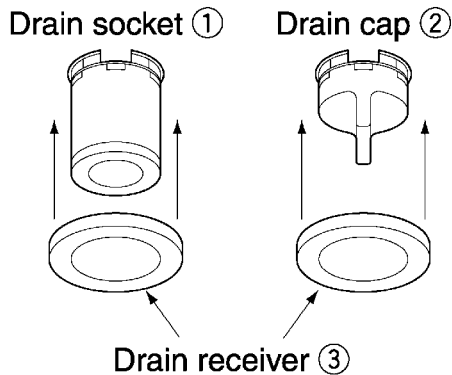
#### ■ Installation Procedure

- 1 Check to make sure the outdoor unit drain hole is not hidden by the installation support or the floor.

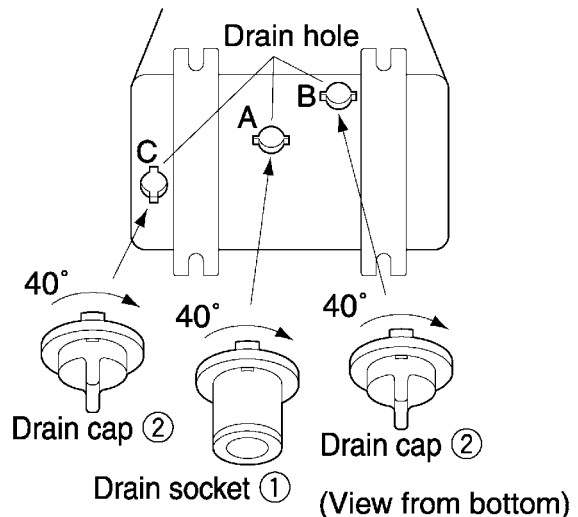
Note) 1. If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 4" (100 mm) under the leg of the outdoor unit.

2. Check the installation position with the outside drawing.

- 2 Insert drain receiver ③ onto drain socket ① and drain cap ② beyond 4 projections around drain socket.



- 3 Insert drain socket ① into the drain hole A and drain caps ② into the drain hole B and C on the unit's bottom frame. After insertion, turn them about 40° clockwise.



- 4 Connect vinyl hose on the market (internal diameter of 25mm) to drain socket ①.

If the hose is too long and hangs down, fix it carefully to prevent the kinks.





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- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

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### Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.



JMI-0107

Organization:  
DAIKIN INDUSTRIES, LTD.  
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:  
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, COMPRESSORS AND VALVES.



JQA-1452

Organization:  
DAIKIN INDUSTRIES  
(THAILAND) LTD.

Scope of Registration:  
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM



EC99J2044

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### Dealer

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