


Submittal Data: MULTI56HP230V1AO		56,000 BTUH Super +Multi-port Heat Pump System	
Job Name		Location	Date
Purchaser		Engineer	
Submitted To		For	<input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction
Unit Designation		Schedule No.	
GENERAL FEATURES -Operates up to 9 Indoor Units -G10 DC Inverter Technology -2-Way & 3-Way Branch Units (Sold Sepatarely) -Acrylic Resin / Anti-Corrosion Coil Protection -Intelligent Defrost -Auto Restart on Power Outages -5 yr. Limited Parts Warranty -7 year Limited Compressor Warranty		 AHRI Certified Ref No: 7117355	
System Ratings		Outdoor Unit Data	
Cooling Rated Capacity 53,000 BTU/H Capacity Range 3,412-61,416 BTU/H Power Input (Max) 5,600 W SEER 16.0 EER 9.5		Compressor Type DC Inverter Driven Rotary RLA 23.0 A Fan Motor Output Power 2 x 1/6HP FLA 2 x 1.0 A Air Flow (Max) 4,120 CFM	
Heating at 47° F Rated Capacity 61,500 BTU/H Capacity Range 4,094-63,122 BTU/H Input Power (Max) 5,200 W HSPF 8.2 COP 3.5		Sound Level Cooling 57 db(A) Heating 57 db(A)	
Heating at 17° F Rated Capacity 43,500 BTU/H Capacity (Max) 51,901 BTU/H		Refrigerant Piping Data	
Operating Range Cooling (Max) 118°F(48°C) (Min) 5°F (-15°C) Heating (Max) 75°F (24°C) (Min) -4°F (-20°C)		Max. Number of Indoor Units 9 Connection Method Flared Refrigerant Type R410A Refrigerant Charge 174.6 oz Additional Charge Per Line Length 0.54-oz/ft Factory Charge for Total Line Length 98-ft Max. Number of BU Boxes 3	
Power Supply Normal Operational Voltage 208/230 V, 1 Phase, 60 Hz Voltage Range 187 - 253 V Main Power Wire Size 8 AWG Interconnecting Wire Size (Min.) 18 AWG MCA 30.0 A MOCP/Breaker Size 50 A		Total Refrigerant Pipe Length 476-ft Max Refrigerant Piping Length to any Indoor Unit 230-ft Min Refrigerant Piping Length to any Indoor Unit 10-ft Max Elevation between Indoor Units 50-ft Max Lift from Outdoor to Indoor Unit 98-ft Max Drop from Outdoor to Indoor Unit 98-ft	

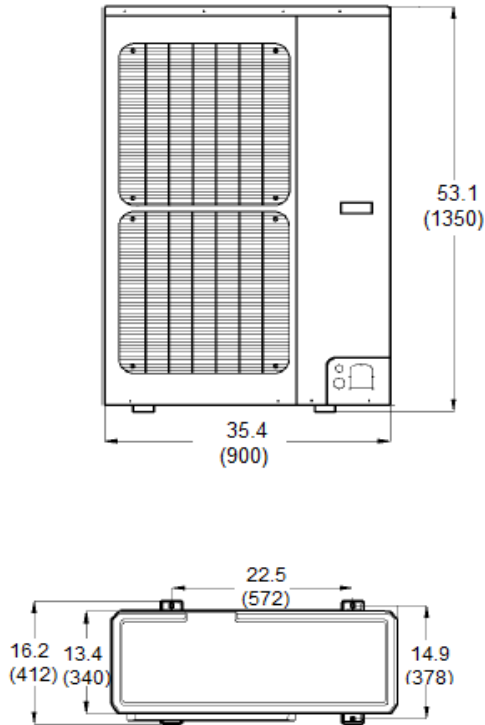


Units: inch (mm)



56,000 BTUH MODEL

Model # MULTI56HP230V1AO 56,000 BTUH 230V

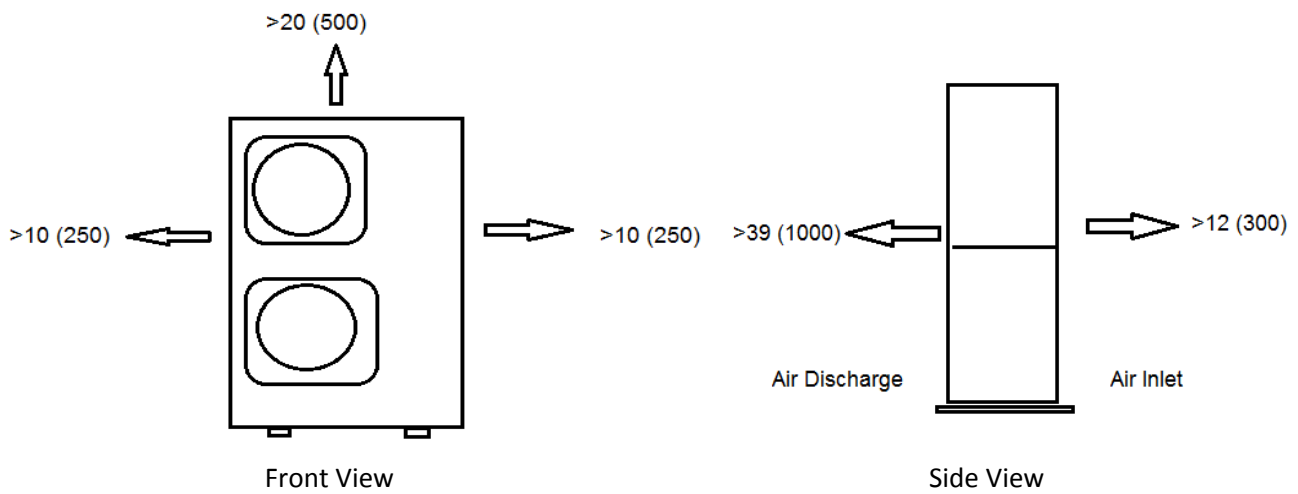


Net Weight	256 lbs
Shipping Weight	276 lbs

Liquid Line Port Size	3/8-in OD Flared
Suction/Gas Line Port Size	5/8-in OD Flared

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Notes:

1. Communication Cable minimum 18 AWG Type Stranded Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.



COOLING PERFORMANCE

Outdoor Ambient Temperature (DB)	Indoor Entering Air Temperatures (DB) 50% RH					
	62 F		67 F		72 F	
	TC	SHC	TC	SHC	TC	SHC
25 F	55,212	46,540	58,192	48,511	59,860	49,939
35 F	54,292	45,497	57,216	47,388	58,704	48,828
45 F	53,716	43,810	56,888	46,275	57,980	47,276
55 F	53,010	43,065	56,550	45,199	57,310	46,728
65 F	55,525	44,035	58,780	47,503	59,600	49,258
75 F	54,840	43,937	57,120	45,836	58,824	48,325
85 F	53,200	42,125	55,786	43,424	57,600	47,063
95 F	51,200	41,723	52,000	43,960	53,760	44,865
105 F	46,290	38,582	47,912	41,254	48,600	42,642
115 F	40,200	36,357	41,200	37,512	41,900	38,441

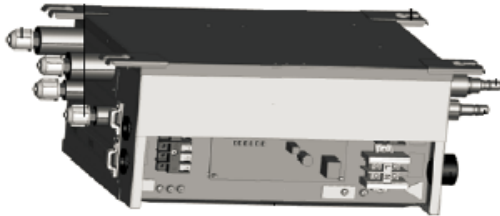
HEATING PERFORMANCE

Outdoor Ambient Temperature (DB) (80% RH)	Indoor Entering Air Temperatures (DB)					
	65 F		70 F		75 F	
	TC	SHC	TC	SHC	TC	SHC
5 F	33,429	33,429	32,776	32,776	31,973	31,973
15 F	43,422	43,422	42,867	42,867	42,164	42,164
25 F	47,988	47,988	47,384	47,384	46,857	46,857
35 F	55,286	55,286	54,491	54,491	53,876	53,876
45 F	60,759	60,759	59,710	59,710	58,913	58,913
55 F	62,118	62,118	61,235	61,235	60,690	60,690
65 F	62,611	62,611	62,173	62,173	61,749	61,749

TC- Total Capacity (BtuH)

SHC- Sensible Capacity (BtuH)

BRANCH (BU) SPECIFICATIONS



1-Port In/2-Ports Out
Model no: FXA2A-D (RFX12A)



1-Port In/3-Ports Out
Model no: FXA3A-D (RFX13A)

Electrical

		FXA2A-D	FXA3A-D
		RFX12A	RFX13A
No. of Indoor Units		2	3
Power Supply	volts	208/230v	208/230v
Rated Current	amps	3.15	3.15
MOCP	amps	15	15

Piping

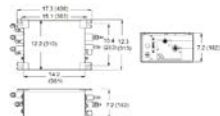
		FXA2A-D	FXA3A-D
		RFX12A	RFX13A
Max Equivalent Length (BU to last Indoor Unit)	ft	60	60

Notes:

1. Communication Cable minimum 18 AWG Type Stranded Copper Conductors THHN 600V Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.

BRANCH (BU) BOX DIMENSIONAL SPECIFICATIONS

1-Port In/2-Ports Out
Model no: FXA3A-D (RFX12A)

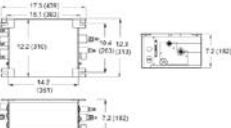


Units: inch (mm)
GREE
RFX12A

	Indoor Unit Side		Outdoor Unit	Weight	
	Port A ¹	Port B ¹	Side ²	Net	Gross
Liquid Pipe	1/4	1/4	3/8	12 lbs	16 lbs
Gas Pipe	3/8	3/8	5/8		

(1) Flare fittings

1-Port In/3-Ports Out
Model no: FXA3A-D (RFX13A)

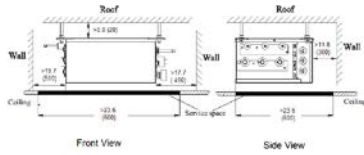


	Indoor Unit Side			Outdoor Unit	Weight	
	Port A ¹	Port B ¹	Port C ¹	Side ²	Net	Gross
Liquid Pipe	1/4	1/4	1/4	3/8	13 lbs	17 lbs
Gas Pipe	3/8	3/8	3/8	5/8		

(1) Flare fittings

MINIMUM SPACING REQUIREMENTS

Units: inch (mm)



Notes:
1. Recommended Interconnecting Cable Type: Stranded Copper Conductors TRNH 60DV Unshielded Wire
2. Power wiring cable size must comply with applicable national and local codes.



Model Number & Description

Ceiling Cassette CAS12HP230V1AC 12,000 BtuH
 CAS18HP230V1AC 18,000 BtuH
 CAS24HP230V1AC 24,000 BtuH



Universal Floor/Ceiling FLR09HP230V1AF 9,000 BtuH
 FLR12HP230V1AF 12,000 BtuH
 FLR18HP230V1AF 18,000 BtuH
 FLR24HP230V1AF 24,000 BtuH



Vireo High Wall* VIR09HP230VI*H 9,000 BtuH
 * A & B Revisions VIR12HP230VI*H 12,000 BtuH
 (Other High Wall Units available VIR18HP230VI*H 18,000 BtuH
 see sales literature) VIR24HP230VI*H 24,000 BtuH



Slim Duct DUCT09HP230V1AD 9,000 BtuH
 DUCT12HP230V1AD 12,000 BtuH
 DUCT18HP230V1AD 18,000 BtuH
 DUCT21HP230V1AD 24,000 BtuH



Mini -Console CONS09HP230V1AF 9,000 BtuH
 CONS12HP230V1AF 12,000 BtuH
 CONS18HP230V1AF 18,000 BtuH



Branch (BU) Boxes FXA2A-D (RFX12A) 1-Port In/2-Ports Out
 FXA3A-D (RFX13A) 1-Port In/3-Ports Out



Copper Y-Branch LN01300110 Liquid & Gas
 Connectors (FQ01A/A) Connectors



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