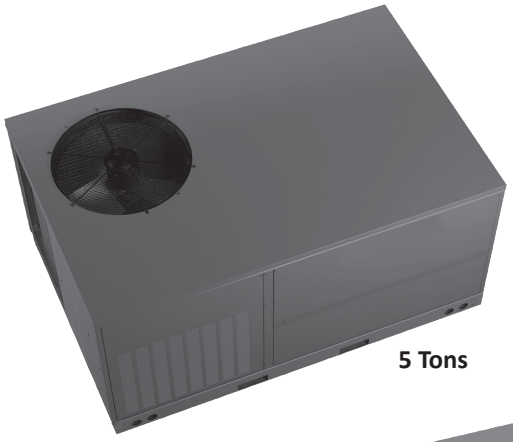
Heating & Air Conditioning
Amana
AMERICA'S BRAND FOR COMFORT™

APH16M

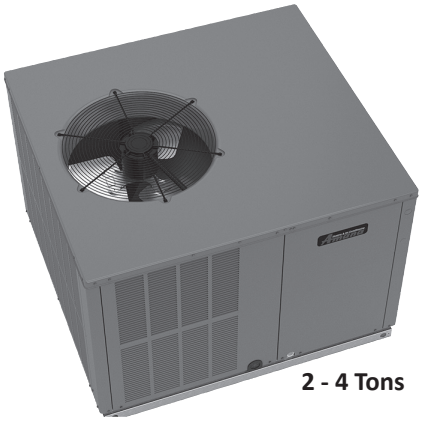
COOLING CAPACITY: 24,000- 58,000 BTU/H
HEATING CAPACITY: 22,800- 55,000 BTU/H

HIGH-EFFICIENCY PACKAGED HEAT PUMP 2 TO 5 TONS UP TO 16 SEER / 8.2 HSPF



5 Tons

ALL ALUMINUM COIL



2 - 4 Tons

ENERGY STAR ASK ABOUT ENERGY STAR

Contents

Standard Features

- High-efficiency two-stage scroll compressor with internal relief valve
- Variable-speed ECM indoor blower motor
- Liquid-line filter drier
- Convertible airflow: horizontal or downflow
- Copper tube / aluminum fin condenser coils
- Compressor sound blanket
- All-aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Totally enclosed, permanently lubricated condenser fan motor
- Electric heat kit available as a field-installed option

Cabinet Features

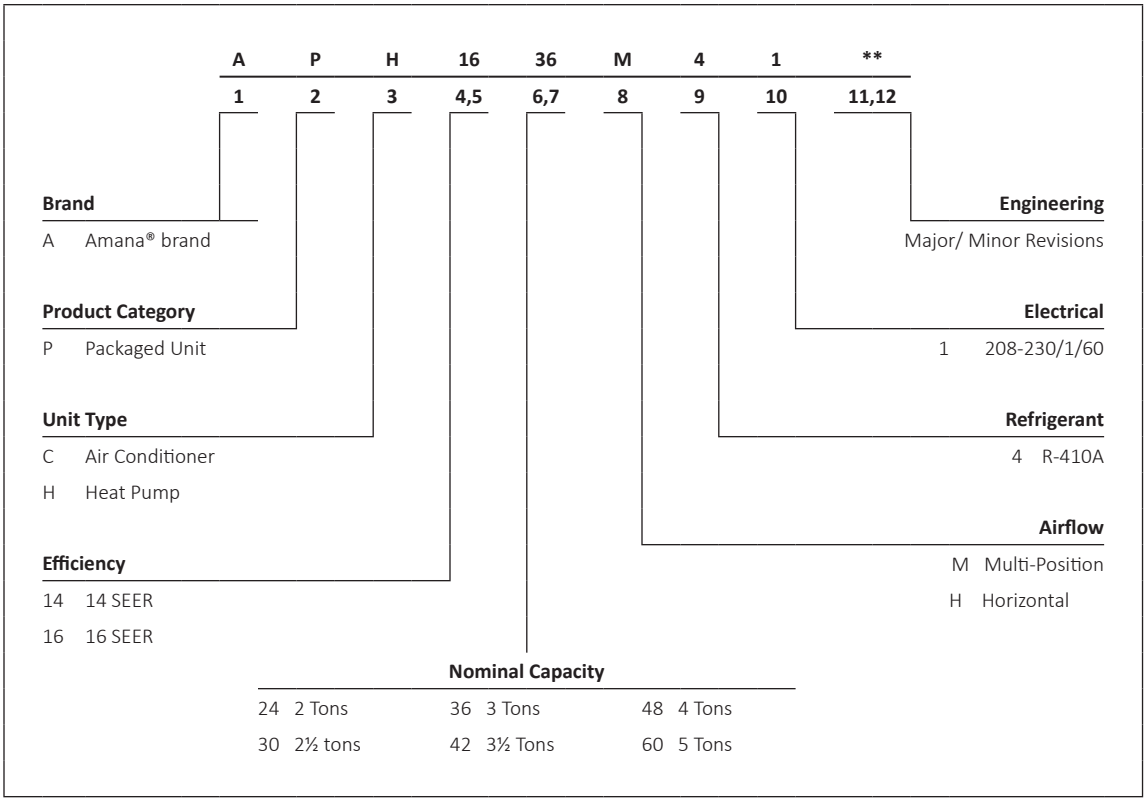
- Heavy-gauge galvanized-steel cabinet with attractive two-tone Architectural Gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated air-handling compartment with convenient access panels
- Louvered condenser coil protection

LIFE TIME COMPRESSOR LIMITED WARRANTY* · 10 YEAR PARTS LIMITED WARRANTY* · 2 YEAR UNIT REPLACEMENT LIMITED WARRANTY* · ALL ALUMINUM COIL · ETL LISTED c US Intertek · AHRI CERTIFIED www.ahridirectory.org Unitary Large HP AHRI Standard 340/360

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL ▪ ISO 9001 ▪

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL ▪ ISO 14001 ▪

* Complete warranty details available from your local dealer or at www.amana-hac.com. To receive the Lifetime Compressor Limited Warranty (good for as long as you own your home), 2-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.


A P H 16 36 M 4 1 **
1 2 3 4,5 6,7 8 9 10 11,12
Brand
A Amana® brand
Product Category
P Packaged Unit
Unit Type
C Air Conditioner
H Heat Pump
Efficiency
14 14 SEER
16 16 SEER
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
42 3½ Tons
48 4 Tons
60 5 Tons
Airflow
M Multi-Position
H Horizontal
Refrigerant
4 R-410A
Electrical
1 208-230/1/60
Engineering
Major/ Minor Revisions

	APH16 24M41A*	APH1624M41 A*+OTHPPKG	APH16 30M41A*	APH1630M41 A*+OTHPPKG	APH16 36M41A*	APH16 42M41A*	APH16 48M41**	APH16 60M41A*	APH16 60M41B*
COOLING CAPACITY									
Total BTU/h	24,000	24,000	29,000	29,000	33,600	41,000	47,000	58,000	58,000
Sensible BTU/h	18,200	18,200	22,000	22,000	25,200	30,000	35,800	44,500	44,000
SEER / EER	16.0/ 12.5	16.0/ 12.5	15.5/ 12.0	15.5/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0	16.0/ 12.0
Decibels	76	76	76	76	76	78	78	78	78
AHRI #s	8143320	10061987	8143321	10061988	8143322	8143323	8143324	9134481	205726744
HEATING CAPACITY									
BUT/h (47°F)	22,800	22,800	28,400	28,400	33,600	38,000	45,500	55,000	58,000
C.O.P (47°F)	3.6	3.6	3.5	3.5	3.6	3.6	3.7	3.7	3.7
BUT/h (17°F)	12,500	12,500	16,600	16,200	19,400	21,600	27,000	30,000	33,000
C.O.P (17°F)	2.3	2.3	2.4	2.4	2.4	2.3	2.4	2.4	2.4
HSPF	8.0	8.2	8.0	8.2	8.0	8.2	8.2	8.2	8.2
EVAPORATOR MOTOR									
Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	11 x 10	11 x 10
Nominal Cooling CFM	850	850	1,050	1,050	1,200	1,300	1,600	1,850	1,800
FLA	4.3	4.3	4.3	4.3	4.3	5.8	5.8	7	6.9
No. of Speeds	Variable	Variable	Variable	Variable	Variable	Variable	Variable	Variable	2
Horsepower- RPM	½-1,050	½-1,050	½-1,050	½-1,050	½-1,050	¾- 1,050	¾- 1,050	1- 1,050	1- 1,050
EVAPORATOR COIL									
Face Area (ft²)	4.5	4.5	4.5	4.5	4.5	6.2	6.2	8.9	8.9
Rows Deep/ Fin per Inch	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 16	4/ 16
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	137	137	137	137	137	170	170	240	225
CONDENSER FAN / COIL									
Horsepower- RPM	¼- 850	¼- 850	¼- 850	¼- 850	¼- 850	¼- 1,075	¼- 1,075	1/3- 1,090	1/3- 1,150
FLA/LRA	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.5/ 3.0	1.4 / 2.9	1.4 / 2.9	2 / 4.4	3.5/ 4.4
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 4	22 / 3
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Face Area (ft²)	15.5	15.5	15.5	15.5	15.5	19.4	19.4	19	16
Rows Deep/ Fin per Inch	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 20	2 / 20
COMPRESSOR									
Quantity	1	1	1	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Two	Two	Two	Two	Two	Two	Two	Two	Two
ELECTRICAL DATA									
Voltage/ Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Compressor RLA/ LRA	11.7 / 58.3	11.7 / 58.3	13.1 / 73	13.1 / 73	15.3 / 83	17.9 / 96	21.2 / 104	26.9 / 152.9	26.9 / 139.9
Indoor Blower FLA	4.3	4.3	4.3	4.3	4.3	5.8	5.8	7	7
Total Unit Amps	17.5	17.5	18.9	18.9	21.1	25.1	28.4	35.9	35.9
Min. Circuit Ampacity[1]	20.4	20.4	22.2	22.2	24.9	29.6	33.7	42.6	44
Max. Overcurrent Protection[2]	30	30	35	35	40	45	50	60	70
SHIPPING WEIGHT (LBS)	376	376	385	385	438	492	490	612	688
ENERGY STAR® CERTIFIED	NO	NO	NO	NO	ENERGY STAR	ENERGY STAR	ENERGY STAR	NO	

[1] Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

[2] May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

"OTHPPKG" stands for Outdoor Thermostat Heat-Pump Package

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	950	MBh	23.2	24.0	26.3	-	22.6	23.5	25.7	-	22.1	22.9	25.1	-	21.6	22.3	24.5	-	20.5	21.2	23.3	-	19.0	19.7	21.5	-
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		kW	1.47	1.50	1.55	-	1.59	1.62	1.67	-	1.69	1.72	1.78	-	1.77	1.81	1.87	-	1.85	1.89	1.95	-	1.91	1.96	2.02	-
		Amps	6.6	6.7	6.9	-	7.0	7.2	7.3	-	7.5	7.7	7.9	-	8.0	8.1	8.3	-	8.4	8.6	8.8	-	8.8	9.0	9.3	-
		Hi PR	216	233	246	-	243	261	276	-	276	297	314	-	314	338	357	-	354	380	402	-	391	420	444	-
		Lo PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-
	850	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	1.47	1.50	1.54	-	1.58	1.61	1.66	-	1.68	1.71	1.77	-	1.76	1.80	1.86	-	1.84	1.88	1.94	-	1.90	1.94	2.01	-
		Amps	6.5	6.7	6.9	-	7.0	7.1	7.3	-	7.5	7.6	7.8	-	7.9	8.1	8.3	-	8.3	8.5	8.8	-	8.8	9.0	9.2	-
		Hi PR	215	231	244	-	241	259	274	-	274	295	311	-	312	336	355	-	351	378	399	-	388	417	441	-
		Lo PR	110	117	128	-	116	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-
	750	MBh	21.7	22.5	24.6	-	21.2	22.0	24.1	-	20.7	21.4	23.5	-	20.2	20.9	22.9	-	19.2	19.9	21.8	-	17.8	18.4	20.2	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	1.44	1.47	1.52	-	1.55	1.59	1.64	-	1.65	1.68	1.74	-	1.73	1.77	1.83	-	1.81	1.85	1.91	-	1.87	1.91	1.97	-
		Amps	6.4	6.6	6.7	-	6.9	7.0	7.2	-	7.4	7.5	7.7	-	7.8	7.9	8.2	-	8.2	8.4	8.6	-	8.6	8.8	9.1	-
		Hi PR	210	226	239	-	236	254	268	-	269	289	305	-	306	329	348	-	344	370	391	-	380	409	432	-
		Lo PR	108	115	125	-	114	121	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
75	950	MBh	23.6	24.3	26.3	28.2	23.0	23.7	25.7	27.5	22.5	23.1	25.0	26.9	21.9	**22.6**	24.4	26.2	20.8	21.4	23.2	24.9	19.3	19.9	21.5	23.1
		S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	**0.85**	0.64	0.41	0.98	0.88	0.67	0.43	0.99	0.89	0.67	0.43
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	**19**	15	10	20	18	15	10	19	17	14	10
		kW	1.49	1.52	1.56	1.61	1.60	1.63	1.69	1.74	1.70	1.74	1.79	1.85	1.79	**1.83**	1.89	1.95	1.86	1.91	1.97	2.04	1.93	1.97	2.04	2.11
		Amps	6.6	6.8	6.9	7.2	7.1	7.2	7.4	7.6	7.6	7.7	7.9	8.2	8.0	**8.2**	8.4	8.7	8.5	8.6	8.9	9.2	8.9	9.1	9.3	9.7
		Hi PR	218	235	248	259	245	264	279	290	279	300	317	330	317	**342**	361	376	357	384	406	423	395	425	448	468
		Lo PR	112	119	130	139	118	126	138	146	123	131	143	152	129	**138**	150	160	136	144	157	168	140	149	163	173
	850	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	**22.2**	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.59	0.38	0.91	**0.81**	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	1.48	1.51	1.56	1.61	1.59	1.62	1.68	1.73	1.69	1.73	1.78	1.84	1.78	**1.82**	1.88	1.94	1.85	1.89	1.96	2.02	1.92	1.96	2.03	2.09
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.2	8.0	**8.1**	8.4	8.6	8.4	8.6	8.8	9.1	8.8	9.0	9.3	9.6
		Hi PR	217	233	246	257	243	262	277	288	277	298	315	328	315	**339**	358	374	355	382	403	420	392	422	445	464
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	**137**	149	159	135	143	156	166	139	148	162	172
	750	MBh	22.1	22.7	24.6	26.4	21.5	22.2	24.0	25.8	21.0	21.7	23.4	25.2	20.5	**21.1**	22.9	24.5	19.5	20.1	21.7	23.3	18.1	18.6	20.1	21.6
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	22	20	16	11	20	19	15	10
		kW	1.45	1.48	1.53	1.58	1.56	1.60	1.65	1.70	1.66	1.70	1.75	1.81	1.75	**1.79**	1.85	1.91	1.82	1.86	1.92	1.99	1.89	1.93	1.99	2.06
		Amps	6.5	6.6	6.8	7.0	6.9	7.1	7.3	7.5	7.4	7.6	7.8	8.0	7.8	**8.0**	8.2	8.5	8.3	8.4	8.7	9.0	8.7	8.9	9.1	9.4
		Hi PR	213	229	242	252	239	257	271	283	271	292	308	322	309	**332**	351	366	348	374	395	412	384	413	436	455
		Lo PR	109	116	127	135	115	123	134	143	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling 8 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	950	MBh	24.0	24.5	26.2	28.0	23.4	23.9	25.6	27.3	22.9	23.4	25.0	26.7	22.3	22.8	24.4	26.0	21.2	21.7	23.1	24.7	19.6	20.1	21.4	22.9
		S/T	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.62	1.00	1.00	0.83	0.62
		ΔT	22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	21	21	18	15	19	19	17	14
		kW	1.50	1.53	1.58	1.63	1.61	1.65	1.70	1.76	1.71	1.75	1.81	1.87	1.80	1.84	1.90	1.97	1.88	1.92	1.99	2.05	1.95	1.99	2.06	2.13
		Amps	6.7	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.6	7.8	8.0	8.3	8.1	8.2	8.5	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.4	9.7
		Hi PR	221	237	251	261	248	266	281	293	282	303	320	334	321	345	364	380	361	388	410	428	399	429	453	472
		Lo PR	113	120	132	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175
	850	MBh	23.6	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.5	**24.0**	25.7	20.9	21.3	22.8	24.4	19.3	19.8	21.1	22.6
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	0.99	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.79	0.59
		ΔT	23	22	19	15	23	22	20	16	23	23	20	16	24	23	**20**	16	23	22	19	16	21	21	18	15
		kW	1.49	1.52	1.57	1.62	1.60	1.64	1.69	1.75	1.70	1.74	1.80	1.86	1.79	1.83	**1.89**	1.96	1.87	1.91	1.97	2.04	1.93	1.98	2.04	2.11
		Amps	6.6	6.8	7.0	7.2	7.1	7.2	7.4	7.7	7.6	7.7	8.0	8.2	8.0	8.2	**8.4**	8.7	8.5	8.7	8.9	9.2	8.9	9.1	9.4	9.7
		Hi PR	219	236	249	260	246	265	279	291	280	301	318	331	318	343	**362**	377	358	386	407	425	396	426	450	469
		Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	**151**	160	136	145	158	168	141	150	163	174
	750	MBh	22.5	22.9	24.5	26.2	21.9	22.4	23.9	25.6	21.4	21.9	23.4	25.0	20.9	21.3	22.8	24.4	19.8	20.3	21.7	23.2	18.4	18.8	20.1	21.4
		S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.94	0.76	0.57
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		kW	1.47	1.50	1.54	1.59	1.58	1.61	1.66	1.72	1.68	1.71	1.77	1.83	1.76	1.80	1.86	1.92	1.84	1.88	1.94	2.01	1.90	1.94	2.01	2.08
		Amps	6.5	6.7	6.9	7.1	7.0	7.1	7.3	7.5	7.5	7.6	7.8	8.1	7.9	8.1	8.3	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.2	9.5
		Hi PR	215	231	244	254	241	259	274	286	274	295	311	325	312	336	355	370	351	378	399	416	388	417	441	460
		Lo PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170
85	950	MBh	24.4	24.9	26.1	27.8	23.8	24.3	25.5	27.2	23.3	23.7	24.8	26.5	22.7	23.1	24.2	25.9	21.6	22.0	23.0	24.6	20.0	20.4	21.3	22.8
		S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.81
		ΔT	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	21	21	22	19	19	20	20	18
		kW	1.51	1.54	1.59	1.64	1.63	1.66	1.71	1.77	1.73	1.77	1.82	1.88	1.82	1.86	1.92	1.98	1.90	1.94	2.00	2.07	1.96	2.01	2.07	2.14
		Amps	6.7	6.9	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.3	8.1	8.3	8.6	8.8	8.6	8.8	9.0	9.3	9.0	9.2	9.5	9.8
		Hi PR	223	240	253	264	250	269	284	296	284	306	323	337	324	349	368	384	364	392	414	432	403	433	457	477
		Lo PR	114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177
	850	MBh	24.0	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.9	23.4	24.5	26.1	22.4	22.8	23.9	25.5	21.2	21.7	22.7	24.2	19.7	20.1	21.0	22.4
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	24	25	23	20	23	23	23	20	21	22	22	19
		kW	1.50	1.53	1.58	1.63	1.62	1.65	1.70	1.76	1.72	1.76	1.81	1.87	1.81	1.85	1.91	1.97	1.88	1.93	1.99	2.06	1.95	1.99	2.06	2.13
		Amps	6.7	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.7	7.8	8.0	8.3	8.1	8.3	8.5	8.8	8.5	8.7	9.0	9.3	9.0	9.2	9.4	9.8
		Hi PR	221	238	251	262	248	267	282	294	282	304	321	335	322	346	365	381	362	389	411	429	400	430	454	474
		Lo PR	114	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	176
	750	MBh	22.8	23.3	24.4	26.0	22.3	22.7	23.8	25.4	21.8	22.2	23.3	24.8	21.2	21.7	22.7	24.2	20.2	20.6	21.6	23.0	18.7	19.1	20.0	21.3
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		kW	1.48	1.51	1.56	1.61	1.59	1.62	1.68	1.73	1.69	1.73	1.78	1.84	1.78	1.82	1.88	1.94	1.85	1.89	1.96	2.02	1.92	1.96	2.03	2.09
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.2	8.0	8.1	8.4	8.6	8.4	8.6	8.8	9.1	8.8	9.0	9.3	9.6
		Hi PR	217	233	246	257	243	262	277	288	277	298	314	328	315	339	358	374	355	382	403	420	392	422	445	464
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling 8 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1175	MBh	28.0	29.0	31.8	-	27.4	28.4	31.1	-	26.7	27.7	30.3	-	26.0	27.0	29.6	-	24.7	25.7	28.1	-	22.9	23.8	26.0	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-
		kW	1.89	1.94	2.00	-	2.04	2.09	2.16	-	2.17	2.22	2.30	-	2.29	2.34	2.42	-	2.39	2.44	2.52	-	2.47	2.53	2.61	-
		Amps	8.3	8.5	8.7	-	8.9	9.1	9.3	-	9.6	9.8	10.0	-	10.1	10.3	10.6	-	10.7	10.9	11.3	-	11.3	11.5	11.9	-
		Hi PR	228	245	259	-	255	275	290	-	290	313	330	-	331	356	376	-	372	400	423	-	411	442	467	-
		Lo PR	109	115	126	-	115	122	133	-	119	127	138	-	125	133	145	-	131	140	152	-	136	144	158	-
	1050	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	1.88	1.92	1.99	-	2.03	2.08	2.14	-	2.16	2.21	2.28	-	2.28	2.33	2.40	-	2.37	2.43	2.51	-	2.46	2.51	2.60	-
		Amps	8.3	8.4	8.7	-	8.8	9.0	9.3	-	9.5	9.7	10.0	-	10.1	10.3	10.6	-	10.6	10.9	11.2	-	11.2	11.4	11.8	-
		Hi PR	226	243	257	-	254	273	288	-	288	310	328	-	328	353	373	-	370	398	420	-	408	439	464	-
		Lo PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	157	-
	925	MBh	26.2	27.2	29.8	-	25.6	26.5	29.1	-	25.0	25.9	28.4	-	24.4	25.3	27.7	-	23.2	24.0	26.3	-	21.5	22.2	24.4	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	1.85	1.89	1.95	-	2.00	2.04	2.11	-	2.13	2.17	2.24	-	2.24	2.29	2.36	-	2.33	2.39	2.47	-	2.42	2.47	2.55	-
		Amps	8.1	8.3	8.5	-	8.7	8.9	9.1	-	9.4	9.5	9.8	-	9.9	10.1	10.4	-	10.5	10.7	11.0	-	11.0	11.3	11.6	-
		Hi PR	221	238	252	-	248	267	282	-	283	304	321	-	322	346	366	-	362	390	412	-	400	431	455	-
		Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-
75	1175	MBh	28.5	29.3	31.7	34.1	27.8	28.6	31.0	33.3	27.2	28.0	30.3	32.5	26.5	**27.3**	29.5	31.7	25.2	25.9	28.0	30.1	23.3	24.0	26.0	27.9
		S/T	0.86	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	**0.84**	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
		ΔT	19	18	14	10	19	18	15	10	19	18	15	10	19	**18**	15	10	19	18	14	10	18	16	14	9
		kW	1.91	1.95	2.01	2.08	2.06	2.11	2.17	2.25	2.19	2.24	2.32	2.39	2.31	**2.36**	2.44	2.52	2.41	2.46	2.55	2.63	2.49	2.55	2.64	2.73
		Amps	8.4	8.6	8.8	9.1	9.0	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.2	**10.4**	10.7	11.1	10.8	11.0	11.4	11.7	11.4	11.6	12.0	12.4
		Hi PR	230	247	261	272	258	278	293	306	293	316	333	348	334	**360**	380	396	376	405	427	446	415	447	472	492
		Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	126	**135**	147	156	133	141	154	164	137	146	159	170
	1050	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	**26.9**	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	**19**	15	11	20	19	15	11	19	17	14	10
		kW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.23	2.30	2.38	2.30	**2.35**	2.43	2.51	2.39	2.45	2.53	2.62	2.48	2.54	2.62	2.71
		Amps	8.3	8.5	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.2	**10.4**	10.7	11.0	10.7	11.0	11.3	11.7	11.3	11.5	11.9	12.3
		Hi PR	228	246	259	271	256	276	291	304	291	314	331	345	332	**357**	377	393	373	402	424	442	412	444	469	489
		Lo PR	109	116	126	135	115	122	134	142	120	127	139	148	126	**134**	146	155	132	140	153	163	136	145	158	168
	925	MBh	26.7	27.4	29.7	31.9	26.0	26.8	29.0	31.1	25.4	26.2	28.3	30.4	24.8	**25.5**	27.6	29.7	23.6	24.3	26.3	28.2	21.8	22.5	24.3	26.1
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	**0.77**	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	1.87	1.91	1.97	2.03	2.01	2.06	2.13	2.20	2.14	2.19	2.26	2.34	2.26	**2.31**	2.38	2.46	2.35	2.41	2.49	2.57	2.44	2.49	2.58	2.66
		Amps	8.2	8.4	8.6	8.9	8.8	9.0	9.2	9.5	9.4	9.6	9.9	10.2	10.0	**10.2**	10.5	10.9	10.6	10.8	11.1	11.5	11.1	11.3	11.7	12.1
		Hi PR	224	241	254	265	251	270	285	298	286	307	324	338	325	**350**	370	385	366	394	416	434	404	435	459	479
		Lo PR	107	114	124	132	113	120	131	139	117	125	136	145	123	**131**	143	152	129	137	150	160	133	142	155	165

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1175	MBh	29.0	29.6	31.6	33.8	28.3	28.9	30.9	33.0	27.6	28.2	30.2	32.3	27.0	27.6	29.4	31.5	25.6	26.2	28.0	29.9	23.7	24.2	25.9	27.7
		S/T	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.61
		ΔT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	20	18	14	19	19	17	13
		kW	1.93	1.97	2.03	2.10	2.08	2.12	2.19	2.27	2.21	2.26	2.33	2.41	2.33	2.38	2.46	2.54	2.43	2.48	2.57	2.66	2.52	2.57	2.66	2.75
		Amps	8.4	8.6	8.9	9.1	9.0	9.2	9.5	9.8	9.7	9.9	10.2	10.5	10.3	10.5	10.8	11.2	10.9	11.1	11.4	11.8	11.5	11.7	12.1	12.5
		Hi PR	232	250	264	275	261	280	296	309	296	319	337	351	338	363	384	400	380	409	431	450	420	451	477	497
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	150	128	136	148	158	134	142	156	166	139	147	161	171
	1050	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	**29.0**	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	**0.75**	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
		ΔT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	**19**	15	22	22	19	15	20	20	18	14
		kW	1.92	1.96	2.02	2.09	2.07	2.11	2.18	2.25	2.20	2.25	2.32	2.40	2.31	2.37	**2.45**	2.53	2.41	2.47	2.55	2.64	2.50	2.56	2.64	2.73
		Amps	8.4	8.6	8.8	9.1	9.0	9.2	9.4	9.7	9.7	9.9	10.1	10.5	10.2	10.5	**10.8**	11.1	10.8	11.1	11.4	11.8	11.4	11.6	12.0	12.4
		Hi PR	231	248	262	273	259	278	294	307	294	317	334	349	335	361	**381**	397	377	406	428	447	417	448	473	494
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	149	127	135	**147**	157	133	141	154	164	138	146	160	170
	925	MBh	27.1	27.7	29.6	31.7	26.5	27.1	28.9	30.9	25.9	26.4	28.2	30.2	25.2	25.8	27.6	29.5	24.0	24.5	26.2	28.0	22.2	22.7	24.2	25.9
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		ΔT	23	22	19	15	23	23	20	16	24	23	20	16	24	23	20	16	23	22	19	16	22	21	18	15
		kW	1.88	1.92	1.99	2.05	2.03	2.08	2.14	2.21	2.16	2.21	2.28	2.36	2.28	2.33	2.40	2.49	2.37	2.43	2.51	2.59	2.46	2.51	2.60	2.69
		Amps	8.3	8.4	8.7	9.0	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.3	10.1	10.3	10.6	10.9	10.6	10.9	11.2	11.6	11.2	11.4	11.8	12.2
		Hi PR	226	243	257	268	254	273	288	301	288	310	328	342	328	353	373	389	370	398	420	438	408	439	464	484
		Lo PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
85	1175	MBh	29.5	30.1	31.5	33.6	28.8	29.4	30.8	32.8	28.1	28.7	30.0	32.0	27.4	28.0	29.3	31.2	26.1	26.6	27.8	29.7	24.1	24.6	25.8	27.5
		S/T	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
		ΔT	23	22	21	18	23	23	21	18	22	22	21	18	21	22	22	19	20	21	21	18	19	19	20	17
		kW	1.94	1.98	2.05	2.11	2.09	2.14	2.21	2.28	2.23	2.28	2.35	2.43	2.35	2.40	2.48	2.57	2.45	2.50	2.59	2.68	2.54	2.59	2.68	2.78
		Amps	8.5	8.7	8.9	9.2	9.1	9.3	9.6	9.9	9.8	10.0	10.3	10.6	10.4	10.6	10.9	11.3	11.0	11.2	11.5	11.9	11.5	11.8	12.2	12.6
		Hi PR	235	252	267	278	263	283	299	312	299	322	340	355	341	367	387	404	383	413	436	455	424	456	481	502
		Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	162	173
	1050	MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	22	23	22	19	21	21	21	18
		kW	1.93	1.97	2.04	2.10	2.08	2.13	2.20	2.27	2.22	2.27	2.34	2.42	2.33	2.39	2.47	2.55	2.43	2.49	2.57	2.66	2.52	2.58	2.67	2.76
		Amps	8.5	8.6	8.9	9.2	9.1	9.2	9.5	9.8	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.2	10.9	11.1	11.5	11.9	11.5	11.7	12.1	12.5
		Hi PR	233	251	265	276	261	281	297	310	297	320	338	352	339	364	385	401	381	410	433	451	421	453	478	499
		Lo PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172
	925	MBh	27.6	28.1	29.5	31.4	27.0	27.5	28.8	30.7	26.3	26.8	28.1	30.0	25.7	26.2	27.4	29.2	24.4	24.9	26.0	27.8	22.6	23.0	24.1	25.7
		S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
		kW	1.90	1.94	2.00	2.07	2.05	2.09	2.16	2.23	2.18	2.23	2.30	2.38	2.30	2.35	2.42	2.51	2.39	2.45	2.53	2.62	2.48	2.53	2.62	2.71
		Amps	8.3	8.5	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.2	10.4	10.7	11.0	10.7	11.0	11.3	11.7	11.3	11.5	11.9	12.3
		Hi PR	228	246	259	271	256	276	291	304	291	313	331	345	332	357	377	393	373	402	424	442	412	444	469	489
		Lo PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
		S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.66	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	2.26	2.31	2.38	-	2.44	2.49	2.57	-	2.60	2.65	2.74	-	2.73	2.80	2.89	-	2.85	2.92	3.02	-	2.95	3.02	3.12	-
		Amps	10.1	10.3	10.6	-	10.8	11.0	11.3	-	11.6	11.8	12.2	-	12.3	12.5	12.9	-	13.0	13.2	13.6	-	13.6	13.9	14.4	-
		Hi PR	240	258	273	-	269	290	306	-	306	329	348	-	349	375	396	-	392	422	446	-	433	466	493	-
		Lo PR	112	119	130	-	118	125	137	-	123	130	142	-	129	137	150	-	135	144	157	-	140	148	162	-
	1200	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		kW	2.24	2.29	2.37	-	2.42	2.47	2.55	-	2.57	2.63	2.72	-	2.71	2.77	2.87	-	2.83	2.89	2.99	-	2.93	3.00	3.10	-
		Amps	10.0	10.2	10.5	-	10.7	10.9	11.2	-	11.5	11.7	12.1	-	12.2	12.4	12.8	-	12.9	13.1	13.5	-	13.5	13.8	14.2	-
		Hi PR	238	256	270	-	267	287	303	-	303	326	344	-	345	372	392	-	388	418	441	-	429	462	488	-
		Lo PR	111	118	128	-	117	124	136	-	121	129	141	-	127	136	148	-	134	142	155	-	138	147	160	-
	1060	MBh	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	25.9	26.8	29.4	-
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.79	0.66	0.45	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	2.21	2.25	2.33	-	2.38	2.43	2.51	-	2.53	2.59	2.67	-	2.67	2.73	2.82	-	2.78	2.84	2.94	-	2.88	2.94	3.04	-
		Amps	9.9	10.1	10.3	-	10.5	10.7	11.0	-	11.3	11.5	11.9	-	12.0	12.2	12.6	-	12.6	12.9	13.3	-	13.3	13.6	14.0	-
		Hi PR	233	251	265	-	261	281	297	-	297	320	338	-	338	364	384	-	381	410	433	-	421	453	478	-
		Lo PR	108	115	126	-	114	122	133	-	119	127	138	-	125	133	145	-	131	139	152	-	135	144	157	-
75	1350	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	**33.4**	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	**0.84**	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.87	0.66	0.43
		ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	**19**	16	11	20	19	15	11	19	17	14	10
		kW	2.28	2.33	2.40	2.48	2.46	2.51	2.60	2.68	2.62	2.68	2.77	2.86	2.76	**2.82**	2.91	3.01	2.88	2.94	3.04	3.15	2.98	3.05	3.15	3.26
		Amps	10.2	10.4	10.7	11.0	10.9	11.1	11.4	11.8	11.7	11.9	12.3	12.7	12.4	**12.6**	13.0	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.5	15.0
		Hi PR	242	261	275	287	272	293	309	322	309	333	351	367	352	**379**	400	418	396	426	450	470	438	471	498	519
		Lo PR	113	120	131	139	119	127	138	147	124	132	144	153	130	**138**	151	161	136	145	158	169	141	150	164	174
	1200	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	**32.4**	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.38	0.89	**0.80**	0.60	0.39	0.92	0.83	0.63	0.40	0.93	0.83	0.63	0.41
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	20	16	11	20	18	15	10
		kW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.66	2.60	2.65	2.74	2.83	2.73	**2.80**	2.89	2.99	2.85	2.92	3.02	3.12	2.95	3.02	3.12	3.23
		Amps	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.6	11.8	12.2	12.6	12.3	**12.5**	12.9	13.3	13.0	13.2	13.6	14.1	13.6	13.9	14.4	14.9
		Hi PR	240	258	273	284	269	290	306	319	306	330	348	363	349	**375**	396	413	392	422	446	465	434	467	493	514
		Lo PR	112	119	130	138	118	125	137	146	123	130	142	152	129	**137**	150	159	135	144	157	167	140	148	162	173
	1060	MBh	32.2	33.1	35.9	38.5	31.4	32.4	35.0	37.6	30.7	31.6	34.2	36.7	29.9	**30.8**	33.3	35.8	28.4	29.3	31.7	34.0	26.3	27.1	29.3	31.5
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		kW	2.22	2.27	2.35	2.42	2.40	2.45	2.53	2.62	2.55	2.61	2.70	2.79	2.69	**2.75**	2.84	2.94	2.80	2.87	2.96	3.07	2.90	2.97	3.07	3.18
		Amps	9.9	10.1	10.4	10.7	10.6	10.8	11.1	11.5	11.4	11.6	12.0	12.4	12.1	**12.3**	12.7	13.1	12.8	13.0	13.4	13.9	13.4	13.7	14.1	14.6
		Hi PR	235	253	267	279	264	284	300	313	300	323	341	356	342	**368**	388	405	385	414	437	456	425	457	483	504
		Lo PR	109	116	127	135	116	123	134	143	120	128	140	149	126	**134**	147	156	132	141	154	164	137	146	159	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 13 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9
		S/T	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14
		kW	2.30	2.35	2.42	2.50	2.48	2.53	2.62	2.71	2.64	2.70	2.79	2.88	2.78	2.84	2.94	3.04	2.90	2.97	3.07	3.17	3.01	3.07	3.18	3.29
		Amps	10.2	10.5	10.7	11.1	10.9	11.2	11.5	11.9	11.8	12.0	12.4	12.8	12.5	12.7	13.1	13.6	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1
		Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	474	442	476	503	524
		Lo PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	162	138	146	160	170	142	151	165	176
	1200	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	**35.0**	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
		S/T	0.89	0.83	0.68	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.72	0.54	0.98	0.92	**0.75**	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	22	21	18	15
		kW	2.28	2.33	2.40	2.48	2.46	2.51	2.60	2.68	2.62	2.68	2.77	2.86	2.76	2.82	**2.92**	3.01	2.88	2.94	3.04	3.15	2.98	3.05	3.15	3.26
		Amps	10.2	10.4	10.7	11.0	10.9	11.1	11.4	11.8	11.7	11.9	12.3	12.7	12.4	12.6	**13.0**	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.5	15.0
		Hi PR	242	261	275	287	272	293	309	322	309	333	352	367	352	379	**400**	418	396	427	450	470	438	471	498	519
		Lo PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	**151**	161	136	145	158	169	141	150	164	174
	1060	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		kW	2.24	2.29	2.37	2.44	2.42	2.47	2.55	2.64	2.57	2.63	2.72	2.81	2.71	2.77	2.87	2.96	2.83	2.89	2.99	3.09	2.93	3.00	3.10	3.20
		Amps	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.5	11.7	12.1	12.5	12.2	12.4	12.8	13.2	12.9	13.1	13.5	14.0	13.5	13.8	14.2	14.7
		Hi PR	238	256	270	282	267	287	303	316	303	326	344	359	345	372	392	409	388	418	441	460	429	462	488	509
		Lo PR	111	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171
85	1350	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		ΔT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	19	20	21	21	18
		kW	2.32	2.37	2.44	2.53	2.50	2.56	2.64	2.73	2.66	2.72	2.81	2.91	2.81	2.87	2.97	3.07	2.93	2.99	3.09	3.20	3.03	3.10	3.21	3.32
		Amps	10.3	10.5	10.8	11.2	11.0	11.3	11.6	12.0	11.9	12.1	12.5	12.9	12.6	12.8	13.2	13.7	13.3	13.6	14.0	14.5	14.0	14.3	14.7	15.2
		Hi PR	247	266	281	293	277	299	315	329	316	340	359	374	359	387	408	426	404	435	459	479	447	481	508	529
		Lo PR	115	122	134	142	122	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
	1200	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.93	0.76
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	24	24	23	20	22	22	22	19
		kW	2.30	2.35	2.42	2.50	2.48	2.53	2.62	2.71	2.64	2.70	2.79	2.88	2.78	2.84	2.94	3.04	2.90	2.97	3.07	3.17	3.01	3.07	3.18	3.29
		Amps	10.2	10.5	10.7	11.1	10.9	11.2	11.5	11.9	11.8	12.0	12.4	12.8	12.5	12.7	13.1	13.6	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1
		Hi PR	245	263	278	290	275	296	312	326	312	336	355	370	356	383	404	422	400	431	455	474	442	476	503	524
		Lo PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	162	138	146	160	170	142	151	165	176
	1060	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.73
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		kW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.66	2.60	2.65	2.74	2.83	2.73	2.80	2.89	2.99	2.85	2.92	3.02	3.12	2.95	3.02	3.12	3.23
		Amps	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.6	11.8	12.2	12.6	12.3	12.5	12.9	13.3	13.0	13.2	13.6	14.1	13.6	13.9	14.4	14.9
		Hi PR	240	258	273	284	269	290	306	319	306	329	348	363	349	375	396	413	392	422	446	465	433	466	493	514
		Lo PR	112	119	130	138	118	125	137	146	123	130	142	152	129	137	150	159	135	144	157	167	140	148	162	173

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 13 ±2 °F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1450	MBh	39.6	41.0	45.0	-	38.7	40.1	43.9	-	37.8	39.1	42.9	-	36.8	38.2	41.8	-	35.0	36.3	39.7	-	32.4	33.6	36.8	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		kW	2.65	2.71	2.79	-	2.86	2.92	3.02	-	3.04	3.11	3.21	-	3.21	3.28	3.39	-	3.34	3.42	3.54	-	3.46	3.54	3.66	-
		Amps	11.5	11.7	12.1	-	12.3	12.6	12.9	-	13.3	13.5	13.9	-	14.1	14.4	14.8	-	14.9	15.2	15.7	-	15.7	16.0	16.5	-
		Hi PR	233	251	265	-	262	282	298	-	298	321	338	-	339	365	386	-	382	411	434	-	422	454	479	-
		Lo PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
	1300	MBh	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	-	31.9	33.1	36.3	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	2.63	2.69	2.78	-	2.84	2.90	3.00	-	3.02	3.09	3.19	-	3.19	3.26	3.37	-	3.32	3.40	3.51	-	3.44	3.52	3.64	-
		Amps	11.4	11.7	12.0	-	12.2	12.5	12.9	-	13.2	13.5	13.9	-	14.0	14.3	14.7	-	14.8	15.1	15.6	-	15.6	15.9	16.4	-
		Hi PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	1150	MBh	37.1	38.4	42.1	-	36.2	37.5	41.1	-	35.3	36.6	40.1	-	34.5	35.7	39.1	-	32.7	33.9	37.2	-	30.3	31.4	34.4	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.77	0.64	0.44	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	2.59	2.65	2.73	-	2.79	2.86	2.95	-	2.97	3.04	3.14	-	3.13	3.20	3.31	-	3.27	3.34	3.45	-	3.38	3.46	3.58	-
		Amps	11.3	11.5	11.8	-	12.0	12.3	12.7	-	13.0	13.2	13.6	-	13.8	14.1	14.5	-	14.5	14.9	15.3	-	15.3	15.7	16.1	-
		Hi PR	227	244	258	-	255	274	290	-	290	312	329	-	330	355	375	-	371	400	422	-	410	442	466	-
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
75	1450	MBh	40.3	41.5	44.9	48.2	39.3	40.5	43.8	47.0	38.4	39.5	42.8	45.9	37.5	**38.6**	41.7	44.8	35.6	36.6	39.7	42.6	33.0	33.9	36.7	39.4
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		kW	2.67	2.73	2.82	2.91	2.88	2.95	3.04	3.14	3.07	3.14	3.24	3.35	3.23	**3.31**	3.42	3.53	3.37	3.45	3.57	3.69	3.49	3.57	3.69	3.82
		Amps	11.6	11.8	12.2	12.6	12.4	12.7	13.0	13.5	13.4	13.7	14.1	14.5	14.2	**14.5**	14.9	15.4	15.0	15.3	15.8	16.4	15.8	16.2	16.7	17.2
		Hi PR	236	254	268	279	265	285	301	314	301	324	342	357	343	**369**	389	406	386	415	438	457	426	458	484	505
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	127	**135**	147	157	133	142	155	165	138	146	160	170
	1300	MBh	39.7	40.8	44.2	47.4	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	**38.0**	41.1	44.1	35.1	36.1	39.1	41.9	32.5	33.4	36.2	38.8
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	**0.78**	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		kW	2.66	2.71	2.80	2.89	2.87	2.93	3.03	3.13	3.05	3.12	3.22	3.33	3.21	**3.29**	3.40	3.51	3.35	3.43	3.54	3.67	3.47	3.55	3.67	3.80
		Amps	11.5	11.8	12.1	12.5	12.3	12.6	13.0	13.4	13.3	13.6	14.0	14.5	14.1	**14.4**	14.8	15.4	14.9	15.2	15.7	16.3	15.7	16.1	16.6	17.1
		Hi PR	234	252	266	278	263	283	299	311	299	322	340	354	340	**366**	387	403	383	412	435	454	423	455	481	501
		Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	**134**	146	156	132	141	154	163	137	145	159	169
	1150	MBh	37.7	38.8	42.0	45.1	36.8	37.9	41.0	44.0	35.9	37.0	40.0	43.0	35.1	**36.1**	39.1	41.9	33.3	34.3	37.1	39.8	30.8	31.8	34.4	36.9
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.83	**0.75**	0.57	0.36	0.87	0.77	0.59	0.38	0.87	0.78	0.59	0.38
		ΔT	23	21	17	12	23	21	17	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		kW	2.61	2.67	2.76	2.85	2.82	2.88	2.97	3.07	3.00	3.07	3.17	3.27	3.16	**3.23**	3.34	3.45	3.30	3.37	3.48	3.60	3.41	3.49	3.61	3.73
		Amps	11.3	11.6	11.9	12.3	12.1	12.4	12.8	13.2	13.1	13.4	13.7	14.2	13.9	**14.2**	14.6	15.1	14.7	15.0	15.4	16.0	15.5	15.8	16.3	16.9
		Hi PR	229	247	261	272	257	277	293	305	293	315	333	347	334	**359**	379	395	375	404	426	445	415	446	471	491
		Lo PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2°F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1450	MBh	41.0	41.9	44.7	47.8	40.0	40.9	43.7	46.7	39.1	39.9	42.7	45.6	38.1	39.0	41.6	44.5	36.2	37.0	39.5	42.3	33.5	34.3	36.6	39.1
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	19	15
		kW	2.69	2.75	2.84	2.94	2.91	2.97	3.07	3.17	3.09	3.16	3.27	3.38	3.26	3.33	3.45	3.56	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.86
		Amps	11.7	11.9	12.3	12.7	12.5	12.8	13.2	13.6	13.5	13.8	14.2	14.7	14.3	14.6	15.1	15.6	15.1	15.5	15.9	16.5	15.9	16.3	16.8	17.4
		Hi PR	238	256	271	282	267	288	304	317	304	327	345	360	346	373	393	410	389	419	443	462	430	463	489	510
		Lo PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	162	172
	1300	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	**41.0**	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
		S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	**0.73**	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	25	24	21	17	23	22	19	16
		kW	2.68	2.74	2.83	2.92	2.89	2.95	3.05	3.15	3.08	3.15	3.25	3.36	3.24	3.31	**3.43**	3.54	3.38	3.46	3.58	3.70	3.50	3.58	3.70	3.83
		Amps	11.6	11.9	12.2	12.6	12.4	12.7	13.1	13.5	13.4	13.7	14.1	14.6	14.2	14.5	**15.0**	15.5	15.0	15.4	15.8	16.4	15.9	16.2	16.7	17.3
		Hi PR	237	255	269	280	265	286	302	315	302	325	343	358	344	370	**391**	407	387	416	439	458	427	460	486	506
		Lo PR	110	117	128	137	117	124	136	144	121	129	141	150	127	136	**148**	158	133	142	155	165	138	147	160	171
	1150	MBh	38.4	39.2	41.9	44.8	37.5	38.3	40.9	43.7	36.6	37.4	39.9	42.7	35.7	36.5	39.0	41.6	33.9	34.6	37.0	39.6	31.4	32.1	34.3	36.6
		S/T	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		ΔT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		kW	2.63	2.69	2.78	2.87	2.84	2.90	3.00	3.10	3.02	3.09	3.19	3.30	3.19	3.26	3.37	3.48	3.32	3.40	3.51	3.63	3.44	3.52	3.64	3.77
		Amps	11.4	11.7	12.0	12.4	12.2	12.5	12.9	13.3	13.2	13.5	13.9	14.3	14.0	14.3	14.7	15.2	14.8	15.1	15.6	16.1	15.6	15.9	16.4	17.0
		Hi PR	232	249	263	275	260	280	296	308	296	318	336	351	337	363	383	399	379	408	431	449	419	451	476	496
		Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
85	1450	MBh	41.7	42.5	44.5	47.5	40.7	41.5	43.5	46.4	39.8	40.5	42.4	45.3	38.8	39.5	41.4	44.2	36.8	37.6	39.3	42.0	34.1	34.8	36.4	38.9
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
		ΔT	25	25	23	20	26	25	24	21	25	25	24	21	25	25	24	21	23	24	24	20	22	22	22	19
		kW	2.72	2.77	2.86	2.96	2.93	3.00	3.09	3.20	3.12	3.19	3.30	3.41	3.29	3.36	3.48	3.60	3.43	3.51	3.63	3.75	3.55	3.64	3.76	3.89
		Amps	11.8	12.0	12.4	12.8	12.6	12.9	13.3	13.7	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.7	15.3	15.6	16.1	16.6	16.1	16.4	17.0	17.5
		Hi PR	241	259	273	285	270	290	307	320	307	330	349	364	350	376	397	414	393	423	447	466	435	468	494	515
		Lo PR	112	120	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174
	1300	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
		S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.91	0.74
		ΔT	27	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	26	26	25	21	24	24	23	20
		kW	2.70	2.76	2.85	2.94	2.91	2.98	3.08	3.18	3.10	3.17	3.28	3.39	3.27	3.34	3.46	3.57	3.41	3.49	3.61	3.73	3.53	3.61	3.74	3.87
		Amps	11.7	12.0	12.3	12.7	12.5	12.8	13.2	13.6	13.5	13.8	14.2	14.7	14.3	14.7	15.1	15.6	15.2	15.5	16.0	16.5	16.0	16.3	16.9	17.4
		Hi PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	412	391	420	444	463	432	464	490	512
		Lo PR	112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173
	1150	MBh	39.0	39.8	41.7	44.4	38.1	38.9	40.7	43.4	37.2	37.9	39.7	42.4	36.3	37.0	38.8	41.3	34.5	35.2	36.8	39.3	31.9	32.6	34.1	36.4
		S/T	0.87	0.84	0.76	0.62	0.91	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.87	0.71
		ΔT	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	26	22	26	25	24	21
		kW	2.66	2.71	2.80	2.89	2.87	2.93	3.02	3.13	3.05	3.12	3.22	3.33	3.21	3.29	3.40	3.51	3.35	3.43	3.54	3.67	3.47	3.55	3.67	3.80
		Amps	11.5	11.8	12.1	12.5	12.3	12.6	13.0	13.4	13.3	13.6	14.0	14.4	14.1	14.4	14.8	15.4	14.9	15.2	15.7	16.3	15.7	16.1	16.6	17.1
		Hi PR	234	252	266	277	263	283	299	311	299	321	339	354	340	366	387	403	383	412	435	454	423	455	481	501
		Lo PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 10 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2°F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1800	MBh	46.1	47.7	52.3	-	45.0	46.6	51.1	-	43.9	45.5	49.9	-	42.8	44.4	48.7	-	40.7	42.2	46.2	-	37.7	39.1	42.8	-
		S/T	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	3.16	3.23	3.33	-	3.40	3.48	3.59	-	3.62	3.70	3.82	-	3.81	3.89	4.02	-	3.97	4.06	4.19	-	4.11	4.20	4.34	-
		Amps	13.7	14.0	14.4	-	14.7	15.0	15.5	-	15.9	16.2	16.7	-	16.9	17.2	17.8	-	17.9	18.3	18.8	-	18.8	19.3	19.9	-
		Hi PR	246	265	280	-	276	297	314	-	314	338	357	-	358	385	407	-	403	433	458	-	445	479	505	-
		Lo PR	112	119	130	-	118	126	138	-	123	131	143	-	129	138	150	-	136	144	157	-	140	149	163	-
	1600	MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	3.13	3.20	3.30	-	3.38	3.45	3.56	-	3.59	3.67	3.79	-	3.78	3.86	3.99	-	3.94	4.02	4.16	-	4.07	4.17	4.30	-
		Amps	13.6	13.9	14.3	-	14.6	14.9	15.4	-	15.7	16.1	16.6	-	16.7	17.1	17.6	-	17.7	18.1	18.7	-	18.7	19.1	19.7	-
		Hi PR	244	262	277	-	274	294	311	-	311	335	354	-	354	381	403	-	399	429	453	-	440	474	500	-
		Lo PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-
	1420	MBh	42.5	44.0	48.2	-	41.5	43.0	47.1	-	40.5	42.0	46.0	-	39.5	41.0	44.9	-	37.5	38.9	42.6	-	34.8	36.0	39.5	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.67	0.46	-	0.80	0.67	0.47	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	3.08	3.15	3.25	-	3.32	3.39	3.50	-	3.53	3.61	3.72	-	3.71	3.80	3.92	-	3.87	3.96	4.09	-	4.01	4.09	4.23	-
		Amps	13.4	13.7	14.1	-	14.4	14.7	15.1	-	15.5	15.8	16.3	-	16.4	16.8	17.3	-	17.4	17.8	18.3	-	18.4	18.8	19.4	-
		Hi PR	239	257	271	-	268	288	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	464	490	-
		Lo PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	153	-	136	145	158	-
75	1800	MBh	46.8	48.2	52.2	56.0	45.7	47.1	51.0	54.7	44.7	46.0	49.8	53.4	43.6	**44.9**	48.6	52.1	41.4	42.6	46.1	49.5	38.3	39.5	42.7	45.9
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	**0.86**	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.90	0.68	0.44
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	3.19	3.25	3.36	3.46	3.43	3.51	3.62	3.74	3.65	3.73	3.85	3.98	3.84	**3.93**	4.05	4.19	4.00	4.09	4.23	4.37	4.14	4.24	4.38	4.53
		Amps	13.8	14.1	14.5	15.0	14.8	15.2	15.6	16.1	16.0	16.4	16.9	17.4	17.0	**17.4**	17.9	18.5	18.0	18.4	19.0	19.7	19.0	19.4	20.0	20.8
		Hi PR	249	268	283	295	279	300	317	331	317	342	361	376	362	**389**	411	428	407	438	462	482	449	484	511	533
		Lo PR	113	120	132	140	120	127	139	148	124	132	144	154	131	**139**	152	162	137	146	159	169	142	151	164	175
	1600	MBh	45.5	46.8	50.7	54.4	44.4	45.7	49.5	53.1	43.4	44.6	48.3	51.9	42.3	**43.6**	47.1	50.6	40.2	41.4	44.8	48.1	37.2	38.3	41.5	44.5
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.38	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.65	0.42
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		kW	3.16	3.23	3.33	3.44	3.40	3.48	3.59	3.71	3.62	3.70	3.82	3.95	3.81	**3.89**	4.02	4.16	3.97	4.06	4.19	4.33	4.11	4.20	4.34	4.49
		Amps	13.7	14.0	14.4	14.9	14.7	15.0	15.5	16.0	15.9	16.2	16.7	17.3	16.9	**17.2**	17.8	18.4	17.9	18.3	18.8	19.5	18.8	19.3	19.9	20.6
		Hi PR	246	265	280	292	276	297	314	328	314	338	357	372	358	**385**	407	424	403	433	458	477	445	479	506	527
		Lo PR	112	119	130	139	118	126	138	147	123	131	143	152	129	**138**	150	160	136	144	157	168	140	149	163	173
	1420	MBh	43.2	44.5	48.1	51.7	42.2	43.4	47.0	50.5	41.2	42.4	45.9	49.3	40.2	**41.4**	44.8	48.1	38.2	39.3	42.5	45.7	35.4	36.4	39.4	42.3
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.87	**0.78**	0.59	0.38	0.91	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		kW	3.11	3.18	3.28	3.38	3.35	3.42	3.53	3.65	3.56	3.64	3.75	3.88	3.74	**3.83**	3.95	4.09	3.90	3.99	4.12	4.26	4.04	4.13	4.27	4.41
		Amps	13.5	13.8	14.2	14.7	14.5	14.8	15.2	15.7	15.6	15.9	16.4	17.0	16.6	**17.0**	17.5	18.1	17.6	18.0	18.5	19.2	18.5	18.9	19.5	20.2
		Hi PR	241	260	274	286	271	291	308	321	308	331	350	365	351	**377**	399	416	395	425	448	468	436	469	495	517
		Lo PR	110	117	128	136	116	124	135	144	121	128	140	149	127	**135**	147	157	133	141	154	164	137	146	160	170

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 13 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2°F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1800	MBh	47.7	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.5	46.4	49.6	53.0	44.3	45.3	48.4	51.8	42.1	43.0	46.0	49.2	39.0	39.9	42.6	45.5
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		ΔT	23	22	19	15	24	23	20	16	23	23	20	16	23	23	20	16	22	22	20	16	20	20	18	15
		kW	3.21	3.28	3.38	3.49	3.46	3.53	3.65	3.77	3.68	3.76	3.88	4.01	3.87	3.96	4.09	4.23	4.04	4.13	4.26	4.41	4.18	4.27	4.42	4.57
		Amps	13.9	14.2	14.7	15.2	15.0	15.3	15.7	16.3	16.1	16.5	17.0	17.6	17.2	17.5	18.1	18.7	18.2	18.6	19.2	19.8	19.2	19.6	20.2	20.9
		Hi PR	251	270	286	298	282	303	320	334	321	345	364	380	365	393	415	433	411	442	467	487	454	488	516	538
		Lo PR	114	122	133	142	121	129	140	150	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177
	1600	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	**47.0**	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2
		S/T	0.91	0.86	0.70	0.52	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		ΔT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	**21**	16	24	23	20	16	22	22	19	15
		kW	3.19	3.25	3.36	3.46	3.43	3.51	3.62	3.74	3.65	3.73	3.85	3.98	3.84	3.93	**4.06**	4.19	4.00	4.09	4.23	4.37	4.14	4.24	4.38	4.53
		Amps	13.8	14.1	14.5	15.0	14.8	15.2	15.6	16.1	16.0	16.4	16.9	17.4	17.0	17.4	**17.9**	18.6	18.0	18.4	19.0	19.7	19.0	19.4	20.0	20.8
		Hi PR	249	268	283	295	279	300	317	331	317	342	361	376	362	389	**411**	429	407	438	462	482	449	484	511	533
		Lo PR	113	121	132	140	120	127	139	148	124	132	144	154	131	139	**152**	162	137	146	159	169	142	151	164	175
	1420	MBh	44.0	44.9	48.0	51.3	42.9	43.9	46.9	50.1	41.9	42.8	45.8	48.9	40.9	41.8	44.7	47.7	38.9	39.7	42.4	45.3	36.0	36.8	39.3	42.0
		S/T	0.87	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	16
		kW	3.13	3.20	3.30	3.41	3.38	3.45	3.56	3.68	3.59	3.67	3.79	3.91	3.78	3.86	3.99	4.12	3.94	4.02	4.16	4.30	4.07	4.17	4.30	4.45
		Amps	13.6	13.9	14.3	14.8	14.6	14.9	15.4	15.9	15.7	16.1	16.6	17.1	16.7	17.1	17.6	18.2	17.7	18.1	18.7	19.3	18.7	19.1	19.7	20.4
		Hi PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	472	440	474	500	522
		Lo PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	149	158	134	143	156	166	139	148	161	172
85	1800	MBh	48.5	49.4	51.8	55.2	47.4	48.3	50.6	54.0	46.2	47.1	49.4	52.7	45.1	46.0	48.2	51.4	42.9	43.7	45.8	48.8	39.7	40.5	42.4	45.2
		S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	23	24	20	22	22	23	20	20	21	22	19
		kW	3.24	3.31	3.41	3.52	3.49	3.56	3.68	3.80	3.71	3.79	3.91	4.05	3.90	3.99	4.12	4.26	4.07	4.16	4.30	4.45	4.21	4.31	4.45	4.61
		Amps	14.1	14.4	14.8	15.3	15.1	15.4	15.9	16.4	16.3	16.6	17.1	17.7	17.3	17.7	18.2	18.9	18.3	18.7	19.3	20.0	19.3	19.8	20.4	21.1
		Hi PR	254	273	288	301	285	306	324	337	324	348	368	384	369	397	419	437	415	447	472	492	458	493	521	543
		Lo PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	149	162	173	144	154	168	179
	1600	MBh	47.1	48.0	50.3	53.6	46.0	46.9	49.1	52.4	44.9	45.8	47.9	51.1	43.8	44.7	46.8	49.9	41.6	42.4	44.4	47.4	38.5	39.3	41.2	43.9
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	23	23	20
		kW	3.21	3.28	3.38	3.49	3.46	3.53	3.65	3.77	3.68	3.76	3.88	4.01	3.87	3.96	4.09	4.23	4.04	4.13	4.26	4.41	4.18	4.27	4.42	4.57
		Amps	13.9	14.2	14.7	15.2	15.0	15.3	15.7	16.3	16.1	16.5	17.0	17.6	17.2	17.5	18.1	18.7	18.2	18.6	19.2	19.8	19.2	19.6	20.2	20.9
		Hi PR	251	270	286	298	282	303	320	334	321	345	364	380	365	393	415	433	411	442	467	487	454	488	516	538
		Lo PR	114	122	133	142	121	129	140	150	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177
	1420	MBh	44.7	45.6	47.8	51.0	43.7	44.5	46.6	49.8	42.7	43.5	45.5	48.6	41.6	42.4	44.4	47.4	39.5	40.3	42.2	45.0	36.6	37.3	39.1	41.7
		S/T	0.92	0.88	0.80	0.65	0.95	0.92	0.83	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	27	26	25	21	27	26	25	22	27	26	25	22	27	27	25	22	26	26	25	21	24	24	23	20
		kW	3.16	3.23	3.33	3.44	3.40	3.48	3.59	3.71	3.62	3.70	3.82	3.94	3.81	3.89	4.02	4.16	3.97	4.06	4.19	4.33	4.11	4.20	4.34	4.49
		Amps	13.7	14.0	14.4	14.9	14.7	15.0	15.5	16.0	15.9	16.2	16.7	17.3	16.9	17.2	17.8	18.4	17.9	18.3	18.8	19.5	18.8	19.3	19.9	20.6
		Hi PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	505	527
		Lo PR	112	119	130	139	118	126	138	147	123	131	143	152	129	138	150	160	136	144	157	168	140	149	163	173

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling, 13 ±2 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15 ±2°F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2201	MBh	57.5	59.6	65.3	-	56.2	58.2	63.8	-	54.8	56.8	62.3	-	53.5	55.5	60.8	-	50.8	52.7	57.7	-	47.1	48.8	53.5	-
		S/T	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	3.82	3.89	4.01	-	4.10	4.19	4.32	-	4.35	4.44	4.58	-	4.57	4.67	4.82	-	4.76	4.86	5.02	-	4.92	5.03	5.19	-
		Amps	16.3	16.7	17.2	-	17.5	17.9	18.4	-	18.8	19.2	19.8	-	20.0	20.4	21.0	-	21.1	21.6	22.2	-	22.3	22.8	23.5	-
		Hi PR	225	242	256	-	252	272	287	-	287	309	326	-	327	352	372	-	368	396	418	-	407	438	462	-
		Lo PR	111	118	129	-	118	125	137	-	122	130	142	-	128	137	149	-	135	143	156	-	139	148	162	-
	1961	MBh	55.8	57.9	63.4	-	54.5	56.5	61.9	-	53.2	55.2	60.5	-	51.9	53.8	59.0	-	49.3	51.1	56.0	-	45.7	47.4	51.9	-
		S/T	0.73	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	3.79	3.86	3.98	-	4.07	4.15	4.28	-	4.32	4.41	4.55	-	4.54	4.63	4.78	-	4.72	4.82	4.98	-	4.88	4.99	5.15	-
		Amps	16.2	16.5	17.0	-	17.3	17.7	18.2	-	18.7	19.1	19.6	-	19.8	20.2	20.8	-	21.0	21.4	22.1	-	22.1	22.6	23.3	-
		Hi PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	403	433	457	-
		Lo PR	110	117	128	-	116	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-
	1736	MBh	53.0	55.0	60.2	-	51.8	53.7	58.8	-	50.6	52.4	57.4	-	49.3	51.1	56.0	-	46.9	48.6	53.2	-	43.4	45.0	49.3	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		kW	3.73	3.81	3.92	-	4.00	4.09	4.21	-	4.25	4.34	4.47	-	4.46	4.56	4.70	-	4.64	4.74	4.90	-	4.80	4.91	5.07	-
		Amps	16.0	16.3	16.7	-	17.1	17.4	17.9	-	18.4	18.8	19.3	-	19.5	19.9	20.5	-	20.6	21.1	21.7	-	21.7	22.2	22.9	-
		Hi PR	218	235	248	-	245	264	278	-	279	300	317	-	317	342	361	-	357	384	406	-	394	425	448	-
		Lo PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-
75	2201	MBh	58.5	60.2	65.2	70.0	57.1	58.8	63.7	68.3	55.8	57.4	62.1	66.7	54.4	56.0	60.6	65.1	51.7	53.2	57.6	61.8	47.9	49.3	53.4	57.3
		S/T	0.88	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.93	0.83	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.89	0.67	0.43	1.00	0.90	0.68	0.44
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
		kW	3.85	3.93	4.05	4.17	4.13	4.22	4.35	4.49	4.39	4.48	4.62	4.77	4.61	4.71	4.86	5.02	4.80	4.90	5.06	5.23	4.96	5.07	5.24	5.41
		Amps	16.5	16.8	17.3	17.9	17.6	18.0	18.5	19.1	19.0	19.4	20.0	20.6	20.1	20.6	21.2	21.9	21.3	21.8	22.4	23.2	22.5	23.0	23.7	24.5
		Hi PR	227	245	258	269	255	274	290	302	290	312	330	344	330	356	375	392	372	400	422	441	411	442	467	487
		Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174
	1961	MBh	56.8	58.5	63.3	67.9	55.5	57.1	61.8	66.3	54.1	55.7	60.3	64.8	52.8	**54.4**	58.9	63.2	50.2	51.7	55.9	60.0	46.5	47.9	51.8	55.6
		S/T	0.84	0.75	0.57	0.36	0.87	0.77	0.59	0.38	0.89	0.79	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		ΔT	22	20	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		kW	3.82	3.90	4.01	4.14	4.10	4.19	4.32	4.45	4.35	4.44	4.58	4.73	4.57	**4.67**	4.82	4.98	4.76	4.86	5.02	5.19	4.92	5.03	5.19	5.37
		Amps	16.3	16.7	17.2	17.7	17.5	17.9	18.4	19.0	18.8	19.2	19.8	20.5	20.0	**20.4**	21.0	21.7	21.1	21.6	22.3	23.0	22.3	22.8	23.5	24.3
		Hi PR	225	242	256	267	253	272	287	299	287	309	326	340	327	**352**	372	388	368	396	418	436	407	438	462	482
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	**137**	149	159	135	143	156	166	139	148	162	172
	1736	MBh	53.9	55.5	60.1	64.5	52.7	54.2	58.7	63.0	51.4	53.0	57.3	61.5	50.2	51.7	55.9	60.0	47.7	49.1	53.1	57.0	44.2	45.5	49.2	52.8
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11
		kW	3.76	3.84	3.95	4.07	4.04	4.12	4.25	4.38	4.28	4.37	4.51	4.66	4.50	4.60	4.74	4.90	4.68	4.78	4.94	5.10	4.84	4.95	5.11	5.28
		Amps	16.1	16.4	16.9	17.4	17.2	17.6	18.1	18.7	18.5	18.9	19.5	20.1	19.6	20.1	20.7	21.4	20.8	21.2	21.9	22.6	21.9	22.4	23.1	23.9
		Hi PR	221	237	251	261	247	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	398	429	453	472
		Lo PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling: 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat: 15-18°F @ the compressor suction access fitting connection.

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2201	MBh	59.5	60.8	65.0	69.5	58.1	59.4	63.5	67.9	56.8	58.0	62.0	66.2	55.4	56.6	60.5	64.6	52.6	53.8	57.4	61.4	48.7	49.8	53.2	56.9
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	19	15
		kW	3.88	3.96	4.08	4.20	4.17	4.25	4.39	4.53	4.42	4.52	4.66	4.81	4.65	4.75	4.90	5.06	4.84	4.94	5.10	5.27	5.00	5.11	5.28	5.46
		Amps	16.6	16.9	17.4	18.0	17.8	18.2	18.7	19.3	19.1	19.5	20.1	20.8	20.3	20.8	21.4	22.1	21.5	22.0	22.6	23.4	22.6	23.2	23.9	24.7
		Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492
		Lo PR	114	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	176
	1961	MBh	57.8	59.1	63.1	67.4	56.4	57.7	61.6	65.9	55.1	56.3	60.2	64.3	53.8	54.9	**58.7**	62.7	51.1	52.2	55.8	59.6	47.3	48.3	51.6	55.2
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.94	**0.77**	0.57	1.00	0.98	0.80	0.59	1.00	0.99	0.80	0.60
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	24	24	21	17	22	22	19	16
		kW	3.85	3.93	4.05	4.17	4.13	4.22	4.35	4.49	4.39	4.48	4.62	4.77	4.61	4.71	**4.86**	5.02	4.80	4.90	5.06	5.23	4.96	5.07	5.24	5.41
		Amps	16.5	16.8	17.3	17.9	17.6	18.0	18.5	19.1	19.0	19.4	20.0	20.6	20.1	20.6	**21.2**	21.9	21.3	21.8	22.4	23.2	22.5	23.0	23.7	24.5
		Hi PR	227	245	258	269	255	275	290	302	290	312	330	344	330	356	**376**	392	372	400	422	441	411	442	467	487
		Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	**151**	160	136	145	158	168	141	150	163	174
	1736	MBh	54.9	56.1	59.9	64.1	53.6	54.8	58.5	62.6	52.4	53.5	57.2	61.1	51.1	52.2	55.8	59.6	48.5	49.6	53.0	56.6	44.9	45.9	49.1	52.5
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.01	0.94	0.77	0.57
		ΔT	26	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		kW	3.79	3.86	3.98	4.11	4.07	4.15	4.28	4.42	4.32	4.41	4.55	4.69	4.54	4.63	4.78	4.94	4.72	4.82	4.98	5.14	4.88	4.99	5.15	5.32
		Amps	16.2	16.5	17.0	17.6	17.3	17.7	18.2	18.8	18.7	19.1	19.6	20.3	19.8	20.2	20.8	21.6	21.0	21.4	22.1	22.8	22.1	22.6	23.3	24.1
		Hi PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	403	433	457	477
		Lo PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170
85	2201	MBh	60.6	61.7	64.7	69.0	59.2	60.3	63.2	67.4	57.7	58.9	61.7	65.8	56.3	57.4	60.1	64.2	53.5	54.6	57.1	61.0	49.6	50.5	52.9	56.5
		S/T	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.96	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		ΔT	25	25	24	20	25	25	24	21	24	25	24	21	24	24	24	21	22	23	24	21	21	21	22	19
		kW	3.91	3.99	4.11	4.24	4.20	4.29	4.42	4.56	4.46	4.55	4.70	4.85	4.68	4.79	4.94	5.10	4.88	4.98	5.15	5.32	5.05	5.16	5.32	5.50
		Amps	16.7	17.1	17.6	18.1	17.9	18.3	18.8	19.5	19.3	19.7	20.3	21.0	20.5	20.9	21.6	22.3	21.7	22.1	22.8	23.6	22.8	23.3	24.1	24.9
		Hi PR	232	250	264	275	260	280	296	308	296	318	336	351	337	363	383	400	379	408	431	449	419	451	476	497
		Lo PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	147	161	171	143	153	167	177
	1961	MBh	58.8	59.9	62.8	67.0	57.4	58.5	61.3	65.4	56.1	57.2	59.9	63.9	54.7	55.8	58.4	62.3	52.0	53.0	55.5	59.2	48.1	49.1	51.4	54.8
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	26	26	25	21	27	26	25	22	26	26	25	22	26	26	25	22	24	25	25	21	23	23	23	20
		kW	3.88	3.96	4.08	4.20	4.17	4.25	4.39	4.53	4.42	4.52	4.66	4.81	4.65	4.75	4.90	5.06	4.84	4.94	5.10	5.27	5.00	5.11	5.28	5.46
		Amps	16.6	16.9	17.4	18.0	17.8	18.2	18.7	19.3	19.1	19.5	20.1	20.8	20.3	20.8	21.4	22.1	21.5	22.0	22.6	23.4	22.6	23.2	23.9	24.7
		Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492
		Lo PR	114	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	176
	1736	MBh	55.9	56.9	59.6	63.6	54.6	55.6	58.3	62.1	53.3	54.3	56.9	60.7	52.0	53.0	55.5	59.2	49.4	50.3	52.7	56.2	45.7	46.6	48.8	52.1
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		ΔT	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	26	27	25	22	24	25	24	21
		kW	3.82	3.89	4.01	4.14	4.10	4.19	4.32	4.45	4.35	4.44	4.58	4.73	4.57	4.67	4.82	4.98	4.76	4.86	5.02	5.19	4.92	5.03	5.19	5.37
		Amps	16.3	16.7	17.2	17.7	17.5	17.9	18.4	19.0	18.8	19.2	19.8	20.5	20.0	20.4	21.0	21.7	21.1	21.6	22.2	23.0	22.3	22.8	23.5	24.3
		Hi PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	438	462	482
		Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

Amps = outdoor unit amps (comp.+fan)

Design Subcooling: 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat: 15-18°F @ the compressor suction access fitting connection.

*APH1624M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	28.7	27.1	25.5	23.9	22.8	22.1	20.5	18.9	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
T/R	31.2	29.6	27.8	26.0	24.8	24.1	22.4	20.6	17.0	15.7	14.4	13.6	13.1	11.8	10.4	9.1	7.8	6.4
kW	1.96	1.92	1.88	1.84	1.82	1.80	1.76	1.72	1.68	1.64	1.60	1.58	1.56	1.52	1.49	1.45	1.41	1.37
Amps	10.0	9.4	8.8	8.4	8.1	8.0	7.6	7.3	7.0	6.7	6.5	6.3	6.3	6.0	5.7	5.4	5.1	4.7
COP	4.28	4.14	3.98	3.80	3.67	3.59	3.41	3.21	2.71	2.57	2.42	2.32	2.25	2.07	1.89	1.69	1.48	1.25
HI PR	397	381	366	350	342	336	323	310	297	283	272	265	261	251	241	231	223	215
LO PR	142	132	123	113	107	103	95	84	76	68	60	55	53	45	39	33	29	23

*APH1630M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	35.7	33.8	31.8	29.7	28.4	27.5	25.6	23.6	20.7	19.1	17.6	16.6	16.0	14.3	12.7	11.1	9.5	7.8
T/R	31.5	29.8	28.0	26.2	25.0	24.3	22.5	20.8	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	2.56	2.51	2.45	2.40	2.37	2.35	2.30	2.25	2.25	2.20	2.15	2.12	2.09	2.04	1.99	1.94	1.88	1.83
Amps	12.9	12.0	11.3	10.7	10.4	10.2	9.7	9.2	8.9	8.5	8.2	8.0	7.9	7.6	7.2	6.8	6.4	5.9
COP	4.08	3.95	3.79	3.62	3.50	3.43	3.25	3.07	2.69	2.54	2.40	2.30	2.23	2.06	1.87	1.68	1.47	1.24
HI PR	416	399	383	366	358	351	337	324	310	296	284	278	273	262	252	242	233	225
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

*APH1636M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.1	39.9	37.5	35.1	33.5	32.5	30.2	27.8	24.2	22.4	20.6	19.4	18.7	16.8	14.9	13.0	11.1	9.1
T/R	32.5	30.8	29.0	27.1	25.8	25.0	23.3	21.5	18.7	17.2	15.9	15.0	14.4	13.0	11.5	10.0	8.5	7.0
kW	2.85	2.79	2.73	2.67	2.64	2.62	2.56	2.50	2.48	2.42	2.37	2.33	2.31	2.25	2.19	2.14	2.08	2.02
Amps	14.5	13.6	12.8	12.1	11.7	11.5	11.0	10.5	10.1	9.7	9.3	9.1	9.0	8.7	8.2	7.8	7.3	6.7
COP	4.33	4.18	4.02	3.84	3.71	3.63	3.45	3.25	2.85	2.70	2.54	2.44	2.37	2.18	1.99	1.78	1.56	1.31
HI PR	399	383	368	352	344	337	324	311	298	285	273	267	262	252	242	232	224	216
LO PR	134	124	116	107	101	97	89	79	72	64	56	52	50	43	37	31	27	21

Notes

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Low pressure is measured at the compressor suction access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

kW = Total system power

*APH1642M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	47.8	45.2	42.6	39.8	38.0	36.8	34.2	31.5	26.8	24.7	22.8	21.5	20.7	18.6	16.5	14.4	12.3	10.0
T/R	34.0	32.2	30.3	28.3	27.1	26.2	24.4	22.5	19.1	17.6	16.2	15.3	14.7	13.2	11.7	10.2	8.7	7.2
kW	3.53	3.46	3.38	3.31	3.27	3.24	3.17	3.10	2.94	2.87	2.80	2.76	2.73	2.66	2.59	2.53	2.46	2.39
Amps	17.8	16.6	15.6	14.8	14.3	14.0	13.3	12.7	12.2	11.7	11.2	11.0	10.9	10.4	9.8	9.3	8.7	8.0
COP	3.96	3.83	3.68	3.51	3.40	3.33	3.16	2.98	2.67	2.52	2.38	2.28	2.22	2.04	1.86	1.66	1.46	1.23
HI PR	417	399	384	367	359	352	338	324	311	297	285	278	273	263	253	242	234	226
LO PR	135	125	117	108	102	98	90	80	72	65	57	53	51	43	37	31	27	21

*APH1648M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.2	54.1	51.0	47.6	45.5	44.1	41.0	37.8	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
T/R	33.1	31.3	29.5	27.6	26.3	25.5	23.7	21.9	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.94	3.86	3.78	3.71	3.66	3.63	3.55	3.47	3.36	3.28	3.21	3.16	3.13	3.05	2.98	2.90	2.82	2.75
Amps	20.8	19.4	18.2	17.2	16.6	16.3	15.5	14.8	14.2	13.6	13.0	12.7	12.6	12.0	11.3	10.7	10.0	9.1
COP	4.25	4.10	3.94	3.76	3.64	3.56	3.37	3.18	2.93	2.77	2.61	2.50	2.43	2.24	2.03	1.82	1.59	1.34
HI PR	404	387	372	356	348	341	328	315	301	288	276	270	265	255	245	235	227	219
LO PR	133	124	116	106	100	97	89	79	71	64	56	52	50	42	37	31	27	21

*APH1660M41***

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	69.7	66.0	62.1	58.0	55.4	53.7	49.9	46.0	38.2	35.3	32.5	30.7	29.5	26.5	23.5	20.5	17.5	14.3
T/R	32.9	31.1	29.3	27.4	26.2	25.4	23.5	21.7	18.0	16.6	15.3	14.5	13.9	12.5	11.1	9.7	8.3	6.8
kW	4.54	4.45	4.36	4.28	4.23	4.19	4.11	4.02	3.94	3.85	3.77	3.72	3.68	3.59	3.51	3.42	3.34	3.25
Amps	23.7	22.1	20.8	19.7	19.0	18.7	17.8	17.0	16.3	15.7	15.0	14.7	14.6	13.9	13.1	12.5	11.7	10.7
COP	4.49	4.34	4.16	3.97	3.84	3.75	3.56	3.35	2.84	2.68	2.52	2.42	2.35	2.16	1.96	1.75	1.53	1.29
HI PR	295	283	272	260	254	249	239	230	220	210	202	197	193	186	179	171	165	160
LO PR	133	124	116	106	101	97	89	79	71	64	56	52	50	43	37	31	27	21

Notes

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting.

Low pressure is measured at the compressor suction access fitting.

Amps: Unit amps (comp.+ evaporator motor + condenser fan motor)

kW = Total system power

APH1624M41

CONDITIONS: 850 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	28.66	4.28	45.04	61.42	---	---
60	27.13	4.14	43.51	59.90	---	---
55	25.54	3.97	41.92	58.30	---	---
50	23.87	3.79	40.25	56.64	---	---
45	22.09	3.58	38.48	54.86	---	---
40	20.52	3.40	36.90	53.28	---	---
35	18.92	3.21	35.31	51.69	---	---
30	15.58	2.72	31.96	48.34	---	---
25	14.38	2.57	30.76	47.14	---	---
20	13.24	2.42	29.62	46.00	---	---
15	12.04	2.25	28.42	44.80	---	---
10	10.80	2.07	27.18	43.56	---	---
5	9.58	1.88	25.96	42.34	---	---
0	8.35	1.68	24.73	41.11	---	---
-5	7.13	1.48	23.51	39.89	---	---
-10	5.84	1.24	22.22	38.60	---	---

* BTH/h

APH1630M41

CONDITIONS: 1050 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	35.70	4.09	52.08	68.46	84.85	---
60	33.80	3.95	50.18	66.56	82.94	---
55	31.81	3.80	48.19	64.57	80.96	---
50	29.73	3.63	46.12	62.50	78.88	---
45	27.52	3.43	43.90	60.28	76.67	---
40	25.56	3.26	41.94	58.32	74.71	---
35	23.57	3.07	39.95	56.34	72.72	---
30	20.68	2.68	37.07	53.45	69.83	---
25	19.09	2.53	35.47	51.85	68.24	---
20	17.58	2.39	33.96	50.34	66.73	---
15	15.99	2.23	32.37	48.75	65.13	---
10	14.34	2.05	30.72	47.11	63.49	---
5	12.72	1.87	29.10	45.48	61.86	---
0	11.09	1.67	27.47	43.85	60.24	---
-5	9.46	1.47	25.84	42.23	58.61	---
-10	7.75	1.24	24.13	40.52	56.90	---

* BTH/h

APH1636M41

CONDITIONS: 1200 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	42.11	4.33	58.49	74.87	91.26	---
60	39.87	4.18	56.25	72.63	89.01	---
55	37.52	4.02	53.90	70.28	86.67	---
50	35.07	3.84	51.46	67.84	84.22	---
45	32.46	3.63	48.84	65.23	81.61	---
40	30.15	3.45	46.53	62.91	79.30	---
35	27.81	3.25	44.19	60.57	76.95	---
30	24.22	2.86	40.60	56.99	73.37	---
25	22.36	2.70	38.74	55.12	71.50	---
20	20.59	2.55	36.97	53.35	69.73	---
15	18.72	2.37	35.10	51.49	67.87	---
10	16.80	2.19	33.18	49.56	65.94	---
5	14.89	1.99	31.27	47.66	64.04	---
0	12.99	1.78	29.37	45.75	62.13	---
-5	11.08	1.56	27.46	43.85	60.23	---
-10	9.08	1.32	25.46	41.84	58.23	---

* BTH/h

APH1642M41

CONDITIONS: 1300 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUXILIARY HEAT			
	CAPACITY*	COP	4.8	9.6	14.4	19.2
65	47.77	3.99	64.15	80.53	96.91	---
60	45.22	3.85	61.60	77.98	94.37	---
55	42.56	3.69	58.94	75.32	91.71	---
50	39.79	3.52	56.17	72.55	88.93	---
45	36.82	3.32	53.20	69.59	85.97	---
40	34.20	3.15	50.58	66.96	83.35	---
35	31.54	2.96	47.92	64.30	80.69	---
30	26.91	2.70	43.30	59.68	76.06	---
25	24.84	2.55	41.22	57.60	73.99	---
20	22.87	2.39	39.26	55.64	72.02	---
15	20.80	2.22	37.18	53.57	69.95	---
10	18.66	2.04	35.04	51.43	67.81	---
5	16.55	1.85	32.93	49.31	65.69	---
0	14.43	1.65	30.81	47.19	63.58	---
-5	12.31	1.44	28.69	45.08	61.46	---
-10	10.09	1.21	26.47	42.85	59.23	---

* BTH/h

NOTES

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

APH1648M41 Conditions: 1600 CFM; Indoor Air @ 70°F DB						
Outdoor Ambient °F.	Basic Unit w/o Auxiliary Heat		Unit Capacity with kW of Auxiliary Heat			
	Capacity*	COP	4.8	9.6	14.4	19.2
65	57.19	4.25	73.58	89.96	106.34	122.72
60	54.15	4.10	70.53	86.91	103.29	119.67
55	50.96	3.94	67.34	83.72	100.11	116.49
50	47.64	3.76	64.02	80.40	96.79	113.17
45	44.09	3.56	60.47	76.85	93.24	109.62
40	40.95	3.37	57.33	73.71	90.10	106.48
35	37.77	3.18	54.15	70.53	86.91	103.29
30	33.64	2.93	50.02	66.41	82.79	99.17
25	31.05	2.77	47.43	63.81	80.20	96.58
20	28.59	2.61	44.98	61.36	77.74	94.12
15	26.00	2.43	42.38	58.77	75.15	91.53
10	23.33	2.24	39.71	56.09	72.48	88.86
5	20.68	2.03	37.06	53.45	69.83	86.21
0	18.04	1.82	34.42	50.80	67.18	83.57
-5	15.39	1.60	31.77	48.15	64.54	80.92
-10	12.61	1.34	28.99	45.37	61.76	78.14

* BTH/h

APH1660M41 Condition : 1850 CMF; INDOOR AIR @ 70 ˚F DB					
Outdoor Ambient °F.	Basic Unit w/o Auxiliary Heat		Unit Capacity with kW of Auxiliary Heat		
	Capacity*	COP	10	15	20
65	69.70	4.49	84.31	223.38	279.28
60	66	4.34	80.61	219.68	275.58
55	62.10	4.16	76.71	215.78	271.68
50	58.00	3.97	72.61	211.68	267.58
45	53.70	3.75	68.31	207.38	263.28
40	49.90	3.56	64.51	203.58	259.48
35	46	3.35	60.61	199.68	255.58
30	38.20	2.84	52.81	191.88	247.78
25	35.30	2.68	49.91	188.98	244.88
20	32.50	2.52	47.11	186.18	242.08
15	29.50	2.35	44.11	183.18	239.08
10	26.50	2.16	41.11	180.18	236.08
5	23.50	1.96	38.11	177.18	233.08
0	20.50	1.75	35.11	174.18	230.08
-5	17.50	1.53	32.11	171.18	227.08
-10	14.30	1.29	28.91	167.98	223.88

* BTH/h

Notes

- COP: Coefficient of Performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

Model and Heat Kit Usage	Circuit #1		Circuit #2		Actual kW / BTU@ 240V
	MCA[1]	MOP[2]	MCA[1]	MOP[2]	
APH1624M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
APH1630M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1636M41**	4.3 / 4.3	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1642M41**	5.8/5.8	---	---	---	---
HKP-05C*	24 / 27	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 39	40 / 40	---	---	7.0 / 23,800
HKP-10C*	45 / 52	60 / 60	---	---	9.5 / 32,400
HKP-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
APH1648M41* *	5.8/5.8	---	---	---	---
HKP-05C*	25 / 28	30 / 30	---	---	4.75 / 16,200
HKR-08*, HKR-08C*	34 / 40	40 / 40	---	---	7.00 / 23,800
HKP-10C*	46 / 53	60 / 60	---	---	9.50 / 32,400
HKP-15C*	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600
HKP-20C*	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500

[1] Minimum Circuit Ampacity @ 240 V
[2] Maximum Overcurrent Protection device @ 240 V
* Revision level that may or may not be designated
C Circuit Breaker option

Model and Heat Kit Usage	MCA[1] @ 208 / 240V	MOP[2] (amps) @ 208 / 240V	Actual kW & BTU @ 240V	Recommended Airflow Range
APH1660M41* *			---	---
EHK1-10	53 / 62	60 / 70	10 / 34,000	1750-2250 CFM
EHK1-15	76 / 88	80 / 90	15 / 51,000	1750-2250 CFM
EHK1-20	99 / 114	100 / 120	20 / 68,200	1850-2250 CFM

[1] Minimum Circuit Ampacity
[2] Maximum Overcurrent Protection Device

Model and Heat Kit Usage	MCA[1] @ 208 / 240V	MOP[2] (amps) @ 208 / 240V	Actual kW & BTU @ 240V	Recommended Airflow Range
APH1660M41B*			---	---
EHXD-1S05	66.6/70.1	70/80	5 / 17,000	1500-2500 CFM
EHXD-1S10	89.2/96.1	90/100	10 / 34,000	1500-2500 CFM
EHXD-1S15	112/122	125/125	15 / 51,000	1500-2500 CFM
EHXD-1S20	134/148	150/150	20 / 68,200	1500-2500 CFM

[1] Minimum Circuit Ampacity
[2] Maximum Overcurrent Protection Device

kW Correction Factors

kW Correction Factor for 1- & 3-Phase Units					
Supply Voltage	240	230	220	210	208
Correction Factor	1	0.93	0.82	0.78	0.76

Multiply rated kW by correction factor to get actual kW

Minimum Airflow for Electric Heat

Heater Size	Minimum CFM
10 kW	1,250
15 kW	1,400
20 kW	1,850

APH1624M41**

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	630	D	Minus	630
	Normal	700		Normal	700
	Plus	770		Plus	770
C	Minus	743	C	Minus	743
	Normal	825		Normal	825
	Plus	908		Plus	908
B	Minus	855	B	Minus	855
	Normal	950		Normal	950
	Plus	1,045		Plus	1,045
A	Minus	945	A	Minus	945
	Normal	1,050		Normal	1,050
	Plus	1,155		Plus	1,155

* @ 0.1- 0.5 ESP
Factory default is "B" minus

APH1630M41**

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

* @ 0.1- 0.8 ESP
Factory default is “C” normal

APH1636M41**

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	720	D	Minus	720
	Normal	800		Normal	800
	Plus	880		Plus	880
C	Minus	900	C	Minus	900
	Normal	1,000		Normal	1,000
	Plus	1,100		Plus	1,100
B	Minus	990	B	Minus	990
	Normal	1,100		Normal	1,100
	Plus	1,210		Plus	1,210
A	Minus	1,125	A	Minus	1,125
	Normal	1,250		Normal	1,250
	Plus	1,375		Plus	1,375

* @ 0.1- 0.8 ESP
Factory default is “B” plus

APH1642M41 **

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

* @ 0.1- 0.8 ESP
Factory default is “A” normal

APH1648M41**

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,103	D	Minus	1,103
	Normal	1,225		Normal	1,225
	Plus	1,348		Plus	1,348
C	Minus	1,260	C	Minus	1,260
	Normal	1,400		Normal	1,400
	Plus	1,540		Plus	1,540
B	Minus	1,530	B	Minus	1,530
	Normal	1,700		Normal	1,700
	Plus	1,870		Plus	1,870
A	Minus	1,620	A	Minus	1,620
	Normal	1,800		Normal	1,800
	Plus	1,980		Plus	1,980

* @ 0.1- 0.8 ESP
Factory default is “A” minus

APH1660M41**

COOLING SPEED	ADJUST TAP	CFM*	HEATING SPEED	ADJUST TAP	CFM*
D	Minus	1,215	D	Minus	1,215
	Normal	1,350		Normal	1,350
	Plus	1,485		Plus	1,485
C	Minus	1,440	C	Minus	1,440
	Normal	1,600		Normal	1,600
	Plus	1,760		Plus	1,760
B	Minus	1,665	B	Minus	1,665
	Normal	1,850		Normal	1,850
	Plus	2,035		Plus	2,035
A	Minus	1,800	A	Minus	1,800
	Norma**	2,000		Normal**	2,000
	Plus	2,200		Plus	2,200

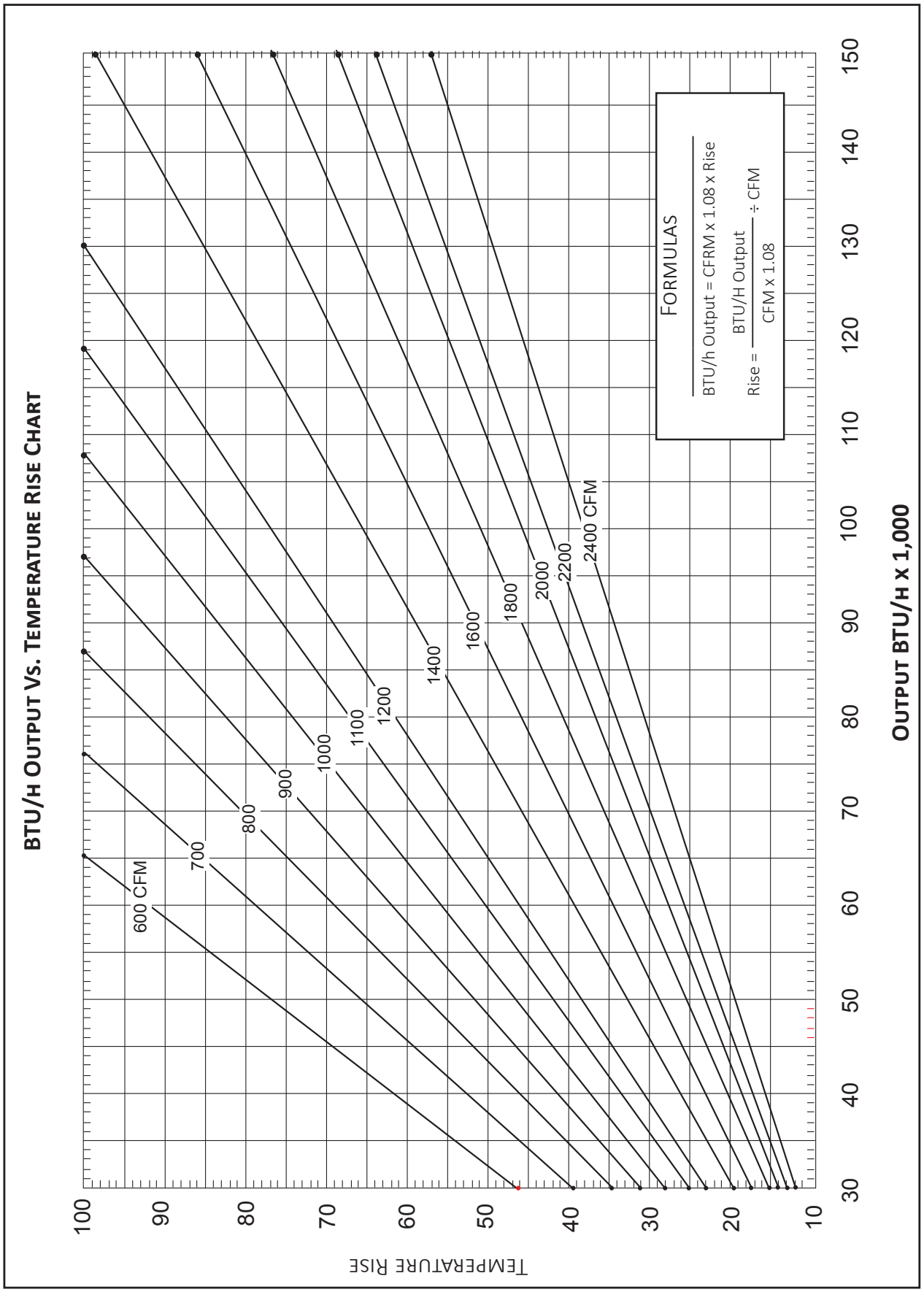
* @ 0.1- 0.8 ESP
**Factory Default is "A" Plus

5Ton Models: APG1660*M41B***

Down Flow				
Speed Tap	External Static Pressure (ESP), in w.c.	SCFM	RPM	BHP
T1	0.2	1299	614	0.16
	0.4	1209	674	0.17
	0.6	1082	755	0.19
	0.8	933	836	0.21
T2	0.2	1967	862	0.62
	0.4	1896	951	0.69
	0.6	1849	1022	0.74
	0.8	1786	948	0.69
T3	0.2	2096	871	0.71
	0.4	2024	916	0.75
	0.6	1972	948	0.78
	0.8	1921	982	0.80
T4	0.2	2189	90	0.81
	0.4	2119	943	0.84
	0.6	2059	979	0.88
	0.8	2012	1009	0.90
T5	0.2	2254	923	0.88
	0.4	2178	964	0.92
	0.6	2127	997	0.95
	0.8	2078	1029	0.98

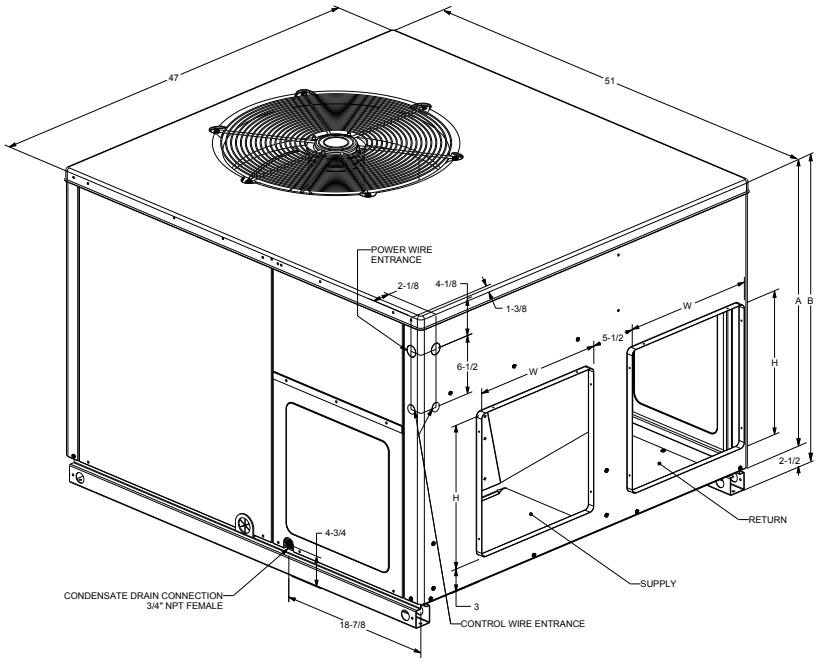
Horizontal Flow				
Speed Tap	External Static Pressure (ESP), in w.c.	SCFM	RPM	BHP
T1	0.2	1326	653	0.22
	0.4	1234	717	0.24
	0.6	1104	803	0.27
	0.8	952	890	0.30
T2	0.2	2007	885	0.64
	0.4	1935	931	0.67
	0.6	1887	969	0.70
	0.8	1822	1009	0.73
T3	0.2	2139	927	0.76
	0.4	2065	974	0.80
	0.6	2012	1009	0.83
	0.8	1960	1045	0.86
T4	0.2	2234	960	0.86
	0.4	2162	1003	0.90
	0.6	2101	1042	0.93
	0.8	2053	1073	0.96
T5	0.2	2300	982	0.93
	0.4	2222	1025	0.98
	0.6	2170	1061	1.01
	0.8	2120	1095	1.04

*Shaded area indicats air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.

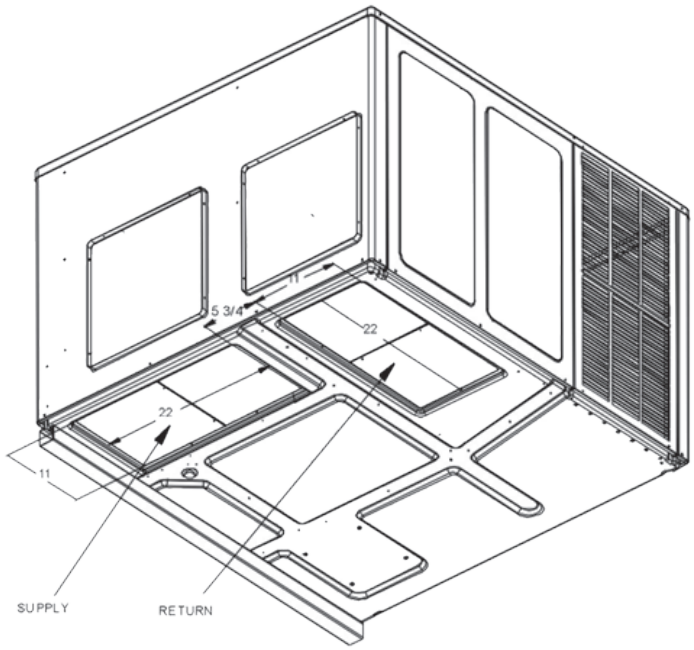

BTU/H Output Vs. Temperature Rise Chart
Temperature Rise
100
90
80
70
60
50
40
30
20
10
600 CFM
700
800
900
1000
1100
1200
1400
1600
1800
2000
2200
2400 CFM
Formulas
BTU/h Output = CFRM x 1.08 x Rise
Rise = BTU/H Output ÷ CFM
CFM x 1.08
30
40
50
60
70
80
90
100
110
120
130
140
150
Output BTU/H x 1,000

MODEL	SWITCH 1	SWITCH 2	ELECTRIC HEAT CFM	SPEED TAP	SWITCH 5	SWITCH 6	COOLING/HP CFM	SPEED TAP
APH1624M41**	Off	Off	1,050	A	Off	Off	1,050	A
	On	Off	950	B	On	Off	950	B
	Off	On	825	C	Off	On	825	C
	On	On	700	D	On	On	700	D
APH1630M41**	Off	Off	1,250	A	Off	Off	1,250	A
	On	Off	1,100	B	On	Off	1,100	B
	Off	On	1,000	C	Off	On	1,000	C
	On	On	800	D	On	On	800	D
APH1636M41**	Off	Off	1,250	A	Off	Off	1,250	A
	On	Off	1,100	B	On	Off	1,100	B
	Off	On	1,000	C	Off	On	1,000	C
	On	On	800	D	On	On	800	D
APH1642M41**	Off	Off	1,800	A	Off	Off	1,800	A
	On	Off	1,700	B	On	Off	1,700	B
	Off	On	1,400	C	Off	On	1,400	C
	On	On	1,225	D	On	On	1,225	D
APH1648M41**	Off	Off	1,800	A	Off	Off	1,800	A
	On	Off	1,700	B	On	Off	1,700	B
	Off	On	1,400	C	Off	On	1,400	C
	On	On	1,225	D	On	On	1,225	D
APH1660M41**	Off	Off	2,000	A	Off	Off	2,000	A
	On	Off	1,850	B	On	Off	1,850	B
	Off	On	1,600	C	Off	On	1,600	C
	On	On	1,350	D	On	On	1,350	D

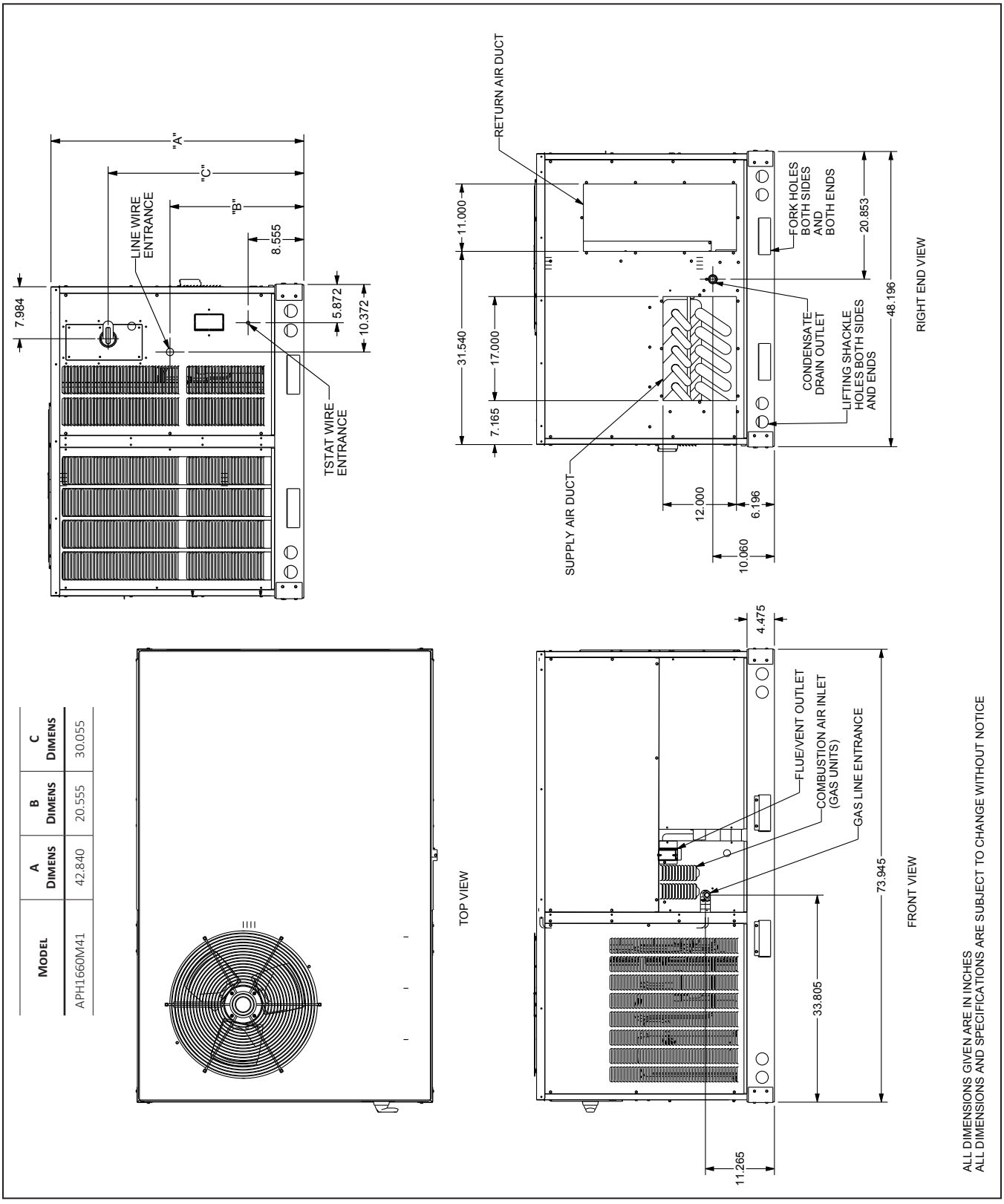
Low-stage cool will be 70% of high-stage cool.



Model	Unit Dimensions (Inches)				Chassis Size
			Height		
	W	D	A	B	
APH1624M41**	47	51	32	34 1/2	Medium
APH1630M41**	47	51	32	34 1/2	Medium
APH1636M41**	47	51	32	34 1/2	Medium
APH1642M41**	47	51	40	42 1/2	Large
APH1648M41**	47	51	40	42 1/2	Large
APH1660M41B*	73 3/8	47 5/8	39	43 1/2	X-Large

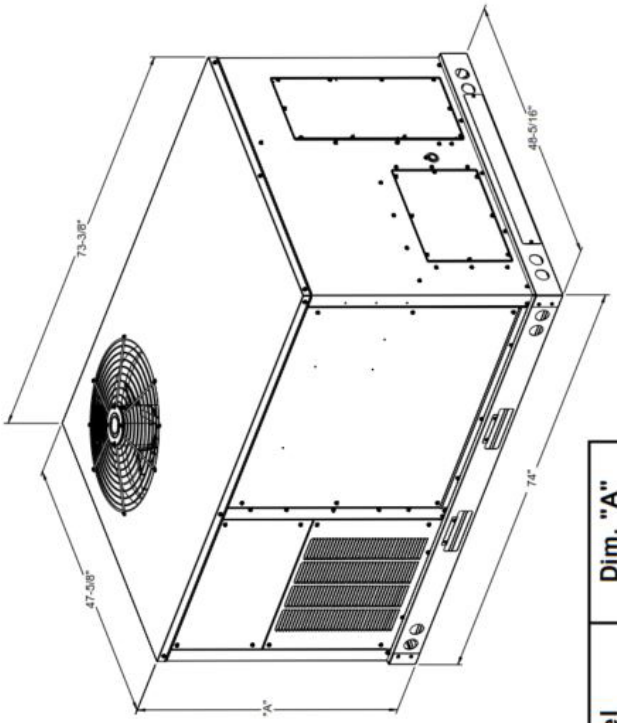


Model	Duct Openings			
	Supply		Return	
	W	H	W	H
APH1624M41**	16	16	16	16
APH1630M41**	16	16	16	16
APH1636M41**	16	16	16	16
APH1642M41**	16	18	16	18
APH1648M41**	16	18	16	18
APH1660M41B*	17	12	11	25

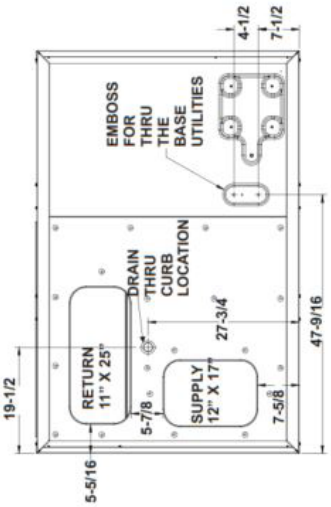


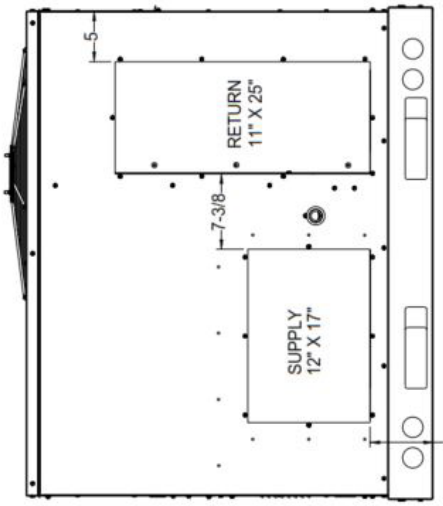
Model	A Dimens	B Dimens	C Dimens
APH1660M41	42.840	20.555	30.055

ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



Model	Dim. "A"
5 Ton Heat Pump	43-1/2"

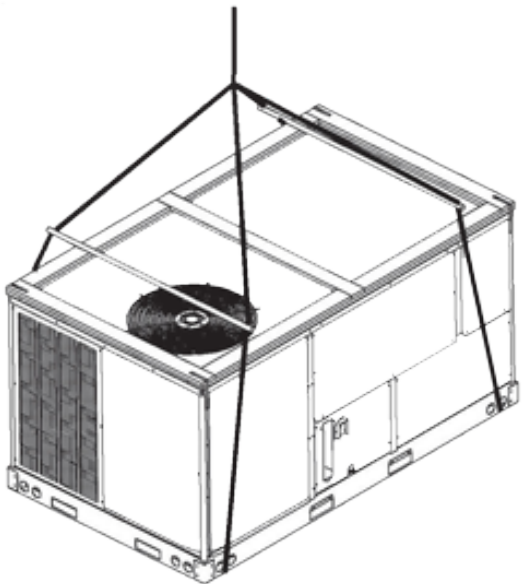




NOTE: Refer to IOD-7082 included in the literature pack for installing horizontal duct covers.

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown on the following page.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

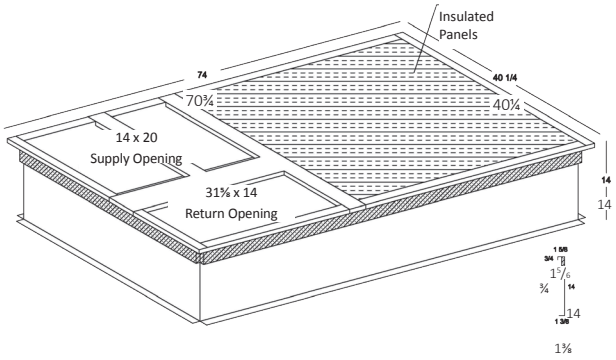
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

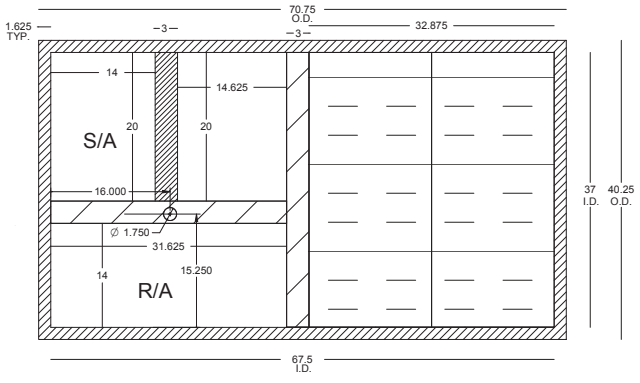
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

See the manual shipped with the roof curb for assembly and installation instructions.

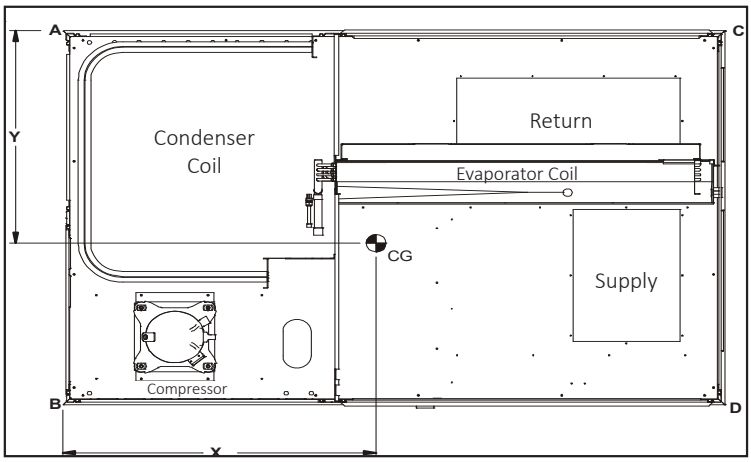
3-D View



Top View



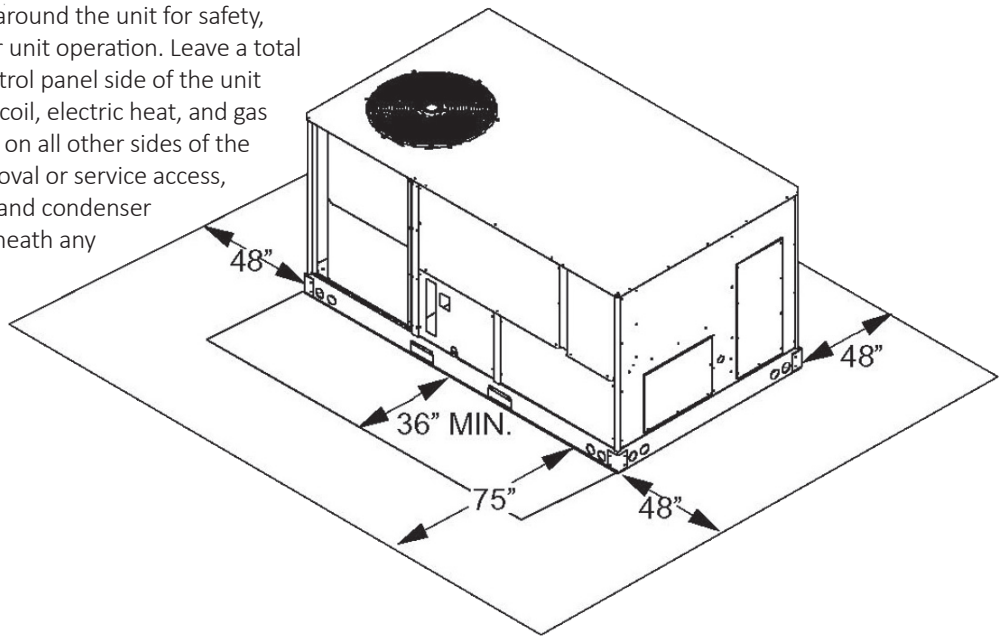
Corner & Center-of-Gravity Locations

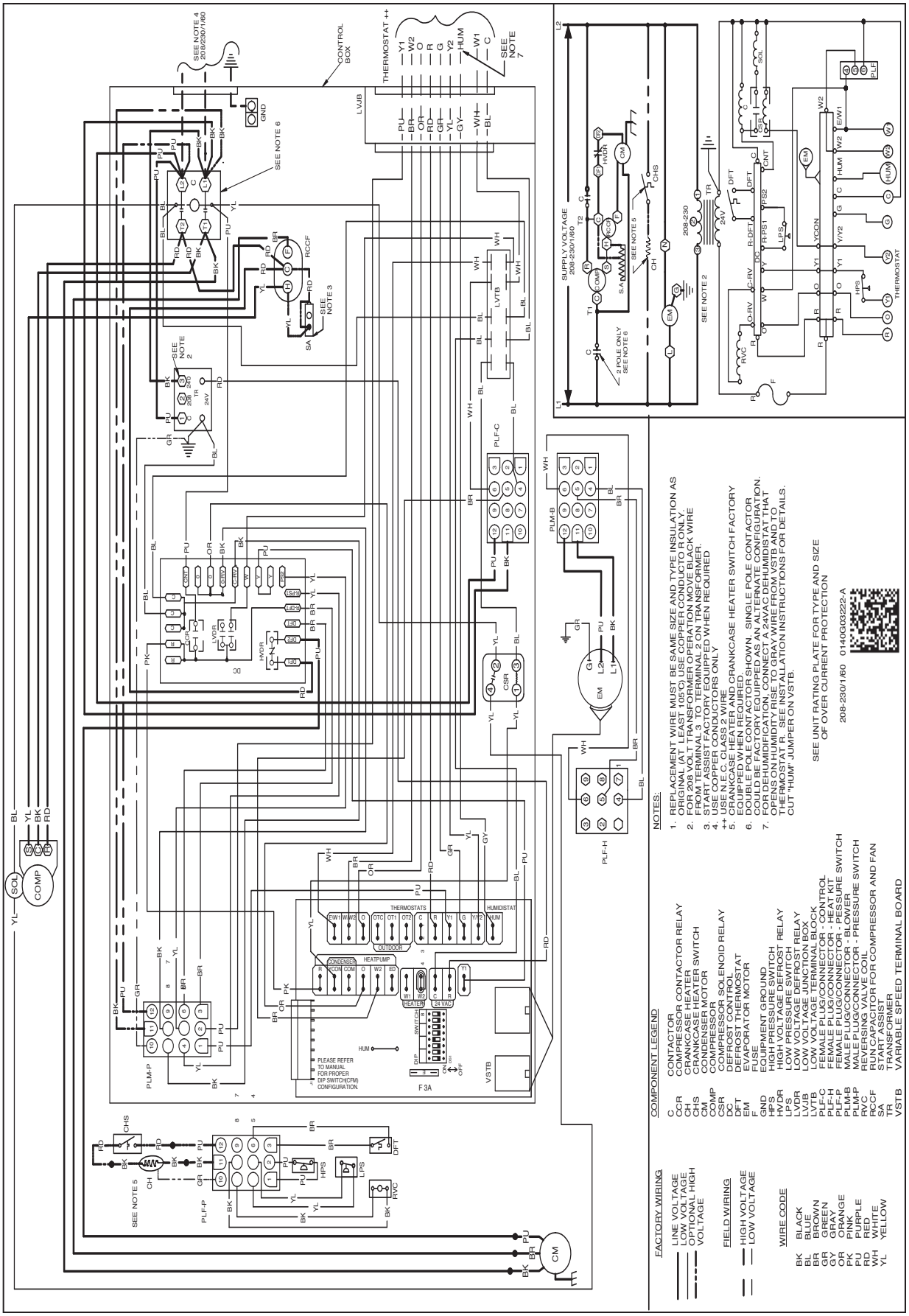


Model	X (in)	Y (in)	Shipping Weight (lbs)	Operating Weight (lbs)	Corner Weights (lbs.)			
					A	B	C	D
APH1660M41**	40.0	25.1	612	583	204	113	72	194

Unit Clearances

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75” on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48” on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit’s fresh-air intake.

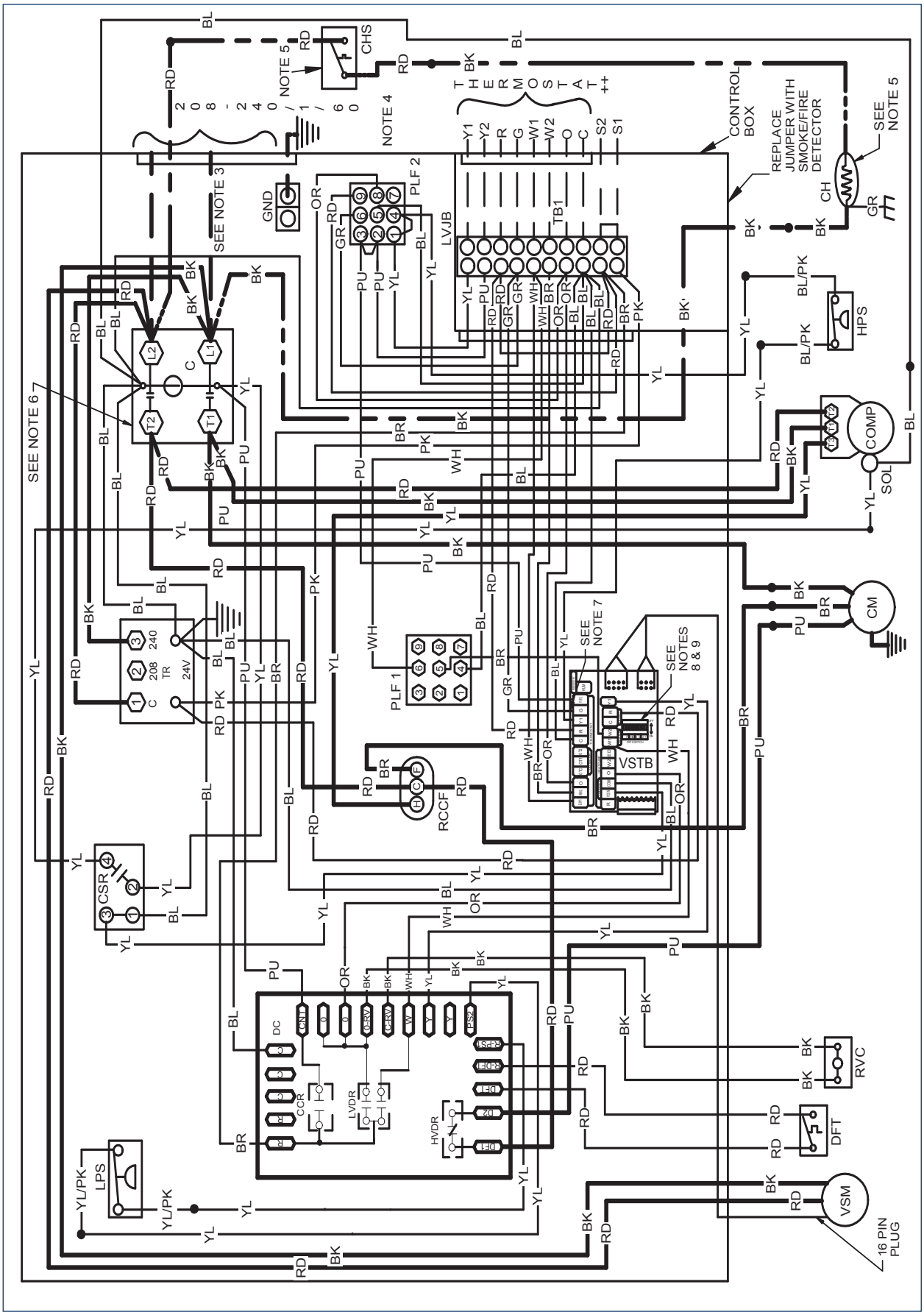




Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



WARNING — ***High Voltage:*** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

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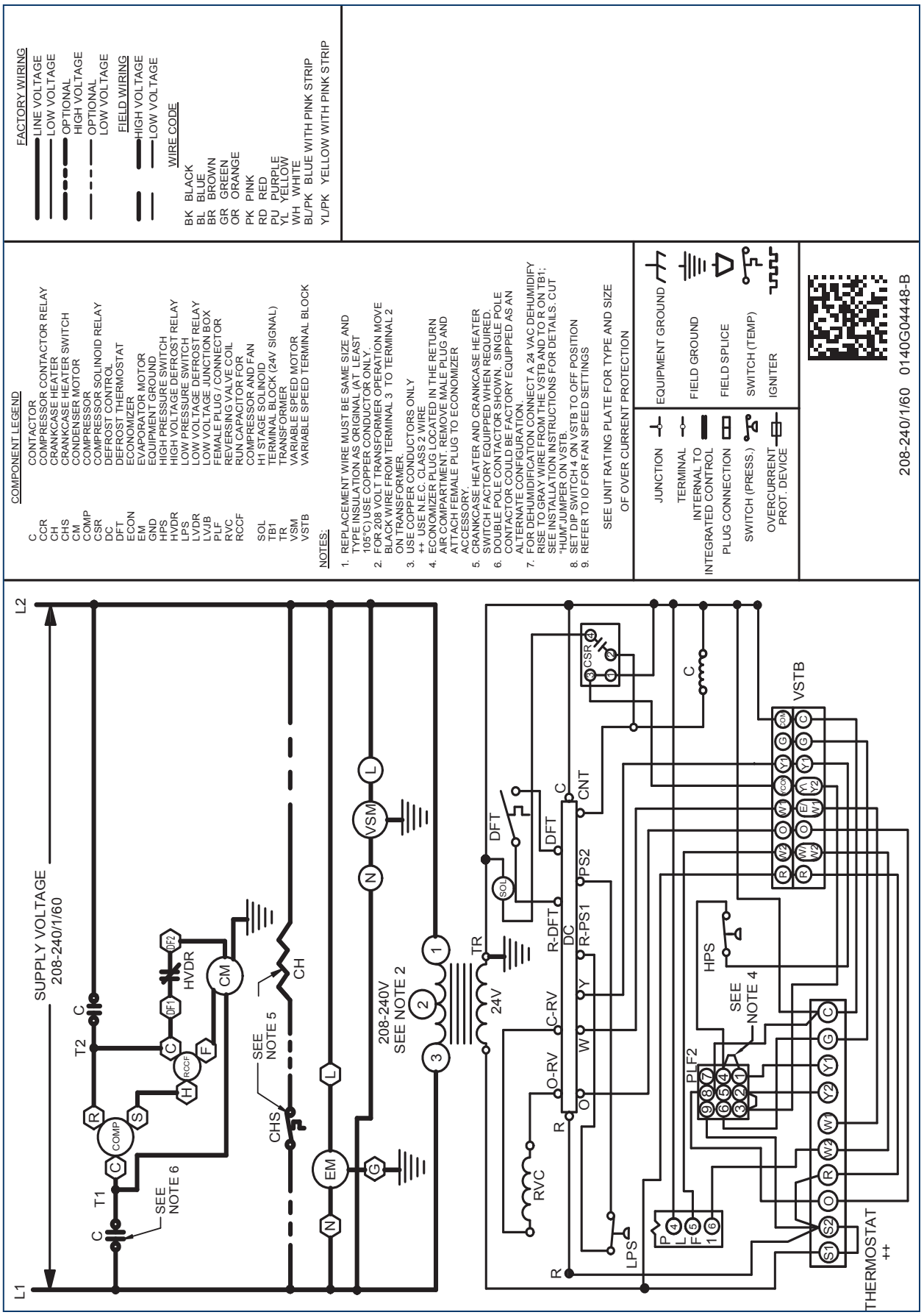


COMPONENT LEGEND

C	CONTACTOR
CCR	COMPRESSOR CONTACTOR RELAY
CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
CM	CONDENSER MOTOR
COMP	COMPRESSOR
CSR	COMPRESSOR SOLINOID RELAY
DC	DEFROST CONTROL
DFT	DEFROST THERMOSTAT
ECON	ECONOMIZER
EM	EVAPORATOR MOTOR
GND	EQUIPMENT GROUND
HPS	HIGH PRESSURE SWITCH
HVDR	HIGH VOLTAGE DEFROST RELAY
LPS	LOW PRESSURE SWITCH
LVDR	LOW VOLTAGE DEFROST RELAY
LVJB	LOW VOLTAGE JUNCTION BOX
PLF	FEMALE PLUG / CONNECTOR
RVC	REVERSING VALVE COIL
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
SOL	H1 STAGE SOLINOID
TB1	TERMINAL BLOCK (24V SIGNAL)
TR	TRANSFORMER
VSM	VARIABLE SPEED MOTOR
VSTB	VARIABLE SPEED TERMINAL BLOCK

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. USE COPPER CONDUCTORS ONLY
++ USE N.E.C. CLASS 2 WIRE
4. ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO ECONOMIZER ACCESSORY
5. CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
6. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
7. FOR DEHUMIDIFICATION CONNECT A 24 VAC DEHUMIDIFY RISE TO GRAY WIRE FROM THE VSTB AND TO R ON TB1; SEE INSTALLATION INSTRUCTIONS FOR DETAILS. CUT "HUM" JUMPER ON VSTB.
8. SET DIP SWITCH 4 ON VSTB TO OFF POSITION
9. REFER TO IO FOR FAN SPEED SETTINGS

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

JUNCTION	EQUIPMENT GROUND
TERMINAL	FIELD GROUND
INTERNAL TO INTEGRATED CONTROL	FIELD SPLICE
PLUG CONNECTION	SWITCH (TEMP)
SWITCH (PRESS.)	IGNITER
OVERCURRENT PROT. DEVICE	

208-240/1/60 0140G04448-B

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE
- OPTIONAL LOW VOLTAGE

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

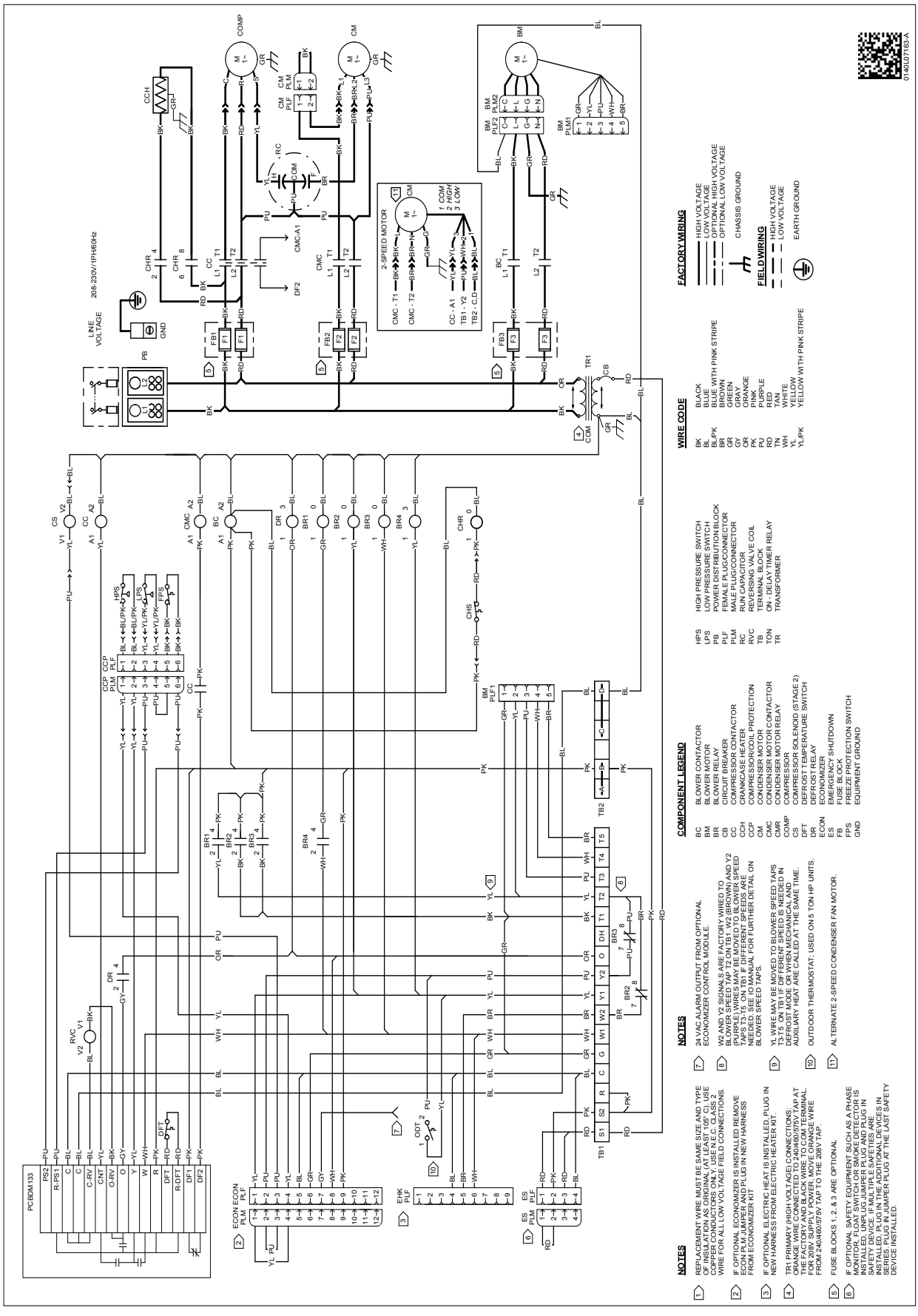
WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
RD	RED
PU	PURPLE
YL	YELLOW
WH	WHITE
BL/PK	BLUE WITH PINK STRIP
YL/PK	YELLOW WITH PINK STRIP

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

FOR THE APH1624-48M41** UNITS

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPJMED102	GPJMED103
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness	0259L00411	0259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH102	SQRPGH103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Outdoor Thermostat Kit (Used only with APH1624M41 and APH1630M41 models)	OTHPPKG-01	N/A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

FOR THE APH1660M41AA UNITS

DAIKIN MASTER ITEM #	DESCRIPTION
14CURB3672	14" Roof Curb
D25FD3672	25% Manual Fresh Air Damper
D25MFD3672	25% Motorized Fresh Air Damper
CDK4872	Concentric Duct Kit
DDNECNJ3672B	Low-leak Downflow Economizer
DDNECNJ3672NR	Downflow Economizer w/o Barometric Relief
DDNSQRD487218	Downflow Square-to-Round Adapter (18" Round)
DHZECNJ3672	Horizontal Economizer
GHRC-1	Hurricane Restraint Clips
DBRD3672	Barometric Relief Damper
EHK1-(10, 15, 20)	Electric Heat Kits
FSK01A	Freeze Stat Kit
GHRC-1	Hurricane Restraint Clips
LAKT01	Low-Ambient Kit

FOR THE APH1660M41BA UNITS

DAIKIN MASTER ITEM #	DESCRIPTION
0221L00014	14" Roof Curb
0270L01166	25% Manual Fresh Air Damper
0270L01165	25% Motorized Fresh Air Damper
0270L01338	Concentric Duct Adapter Kit 18"
0270L01753	Downflow Low-Leak Economizer Enthalpy
0270L01755	Downflow Ultra Low-Leak Economizer Enthalpy
0270L01757	Horizontal Ultra Low-Leak Economizer Enthalpy
EHXD-1S (05, 10, 15, 20)	Electric Heat Kits
0270L01250	Hurricane Restraint Clips (for 0221L00014 Roof Curb)
0270L01261	Hurricane Restraint Clips

SINGLE-POINT KIT ACCESSORY KITS

Select the single-point kit accessory based on the unit model.

MODEL	SINGLE-POINT KIT
APH1624M41**	SPK-30
APH1630M41**	SPK-35
APH1636M41**	SPK-40
APH1642M41**	SPK-45
APH1648M41**	SPK-50
APH1660M41**	SPKT01/02