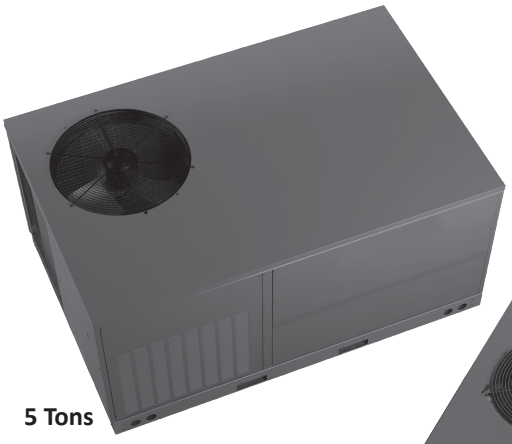
Heating & Air Conditioning
Amana
AMERICA'S BRAND FOR COMFORT™

APG16M

Cooling Capacity: 22,800 – 58,500 BTU/h
Heating Capacity: 60,000 – 140,000 BTU/h

High-Efficiency Packaged Gas / Electric 2 to 5 Tons Up to 16 SEER / 81% AFUE



5 Tons

2 - 4 Tons

ASK ABOUT ENERGY STAR

ALL ALUMINUM COIL

Contents

Standard Features

- Heavy-duty stainless-steel heat exchanger
- High-efficiency two-stage scroll compressor with factory-installed sound blanket
- Variable-speed ECM indoor blower motor
- Copper tube / aluminum fin condenser coils
- All-aluminum evaporator coil on 2- to 4-ton units
- Aluminum-copper evaporator coil on 5-ton units
- Two-stage gas valve; natural gas with easy conversion to propane with accessory kit
- Power-assisted combustion
- AHRI Certified; ETL Listed
- All blower operation and all safety circuits complete with self-diagnostics
- Direct-spark ignition system, including a micro-processor-based control for the entire ignition sequence
- Loss-of-charge protection and high-pressure switch
- All models comply with California Low NOx standards (40ng/J NOx)
- This furnace does not comply with the SCAQMD Rule 1111 14 ng/J NOx emission limit and therefore is not eligible for installation in California's South Coast Air Quality Management District (SCAQMD). This furnace may be installed in SJVAPCD until 4/1/2022 provided the date of manufacture is September 30, 2021 or earlier and the emission fees are paid.

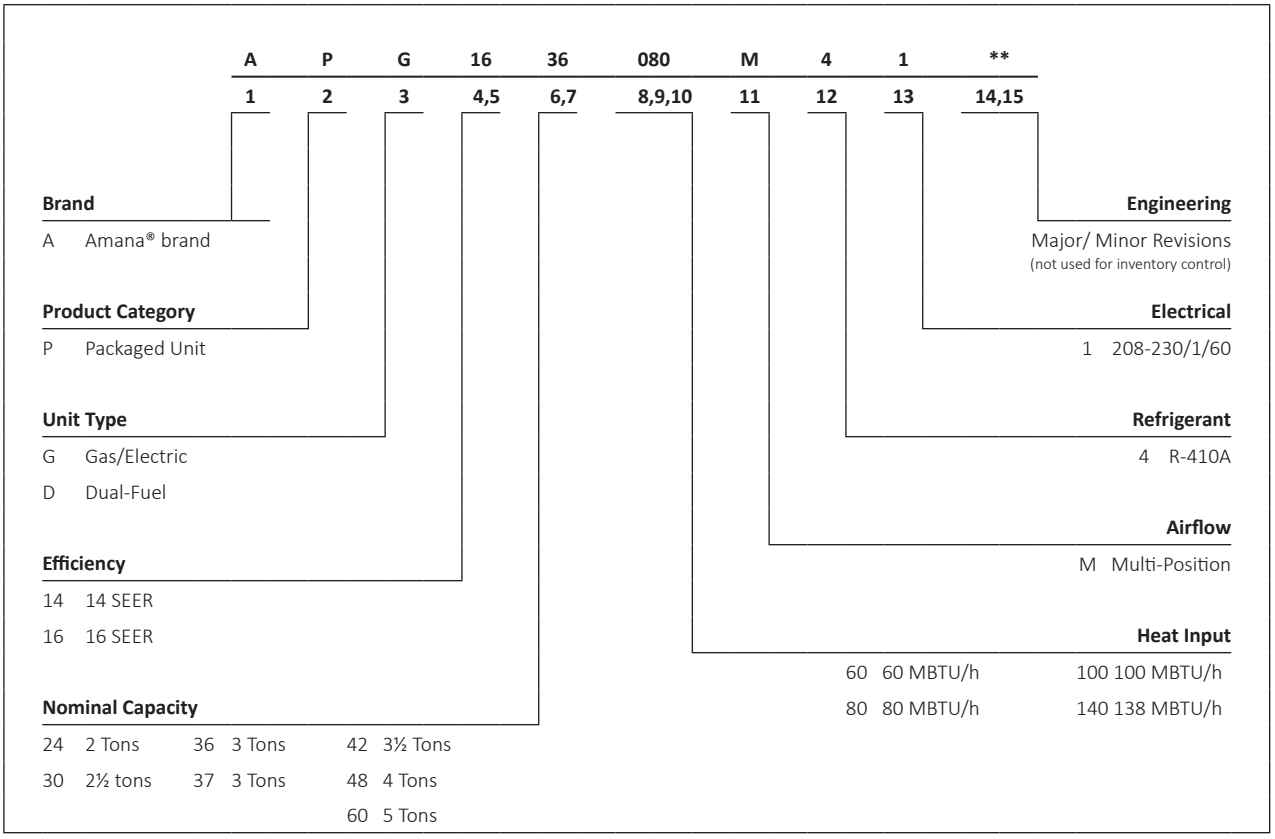
Cabinet Features

- Fully insulated heavy-gauge, zinc-coated steel cabinet with UV-resistant powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Compressor grommets for vibration isolation
- Convenient access panels
- One roof curb fits 2-4 ton units
- Bottom 2" high base rails for easier handling
- 2-4 ton models fit a standard-size pick-up truck
- When properly anchored, meets 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

LIFE TIME COMPRESSOR LIMITED WARRANTY* | LIFE TIME HEAT EXCHANGER LIMITED WARRANTY* | 10 YEAR PARTS LIMITED WARRANTY* | 2 YEAR UNIT REPLACEMENT LIMITED WARRANTY*

c ETL us LISTED Intertek | AHRI CERTIFIED | 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 Heat Exchanger Limited Warranty, Lifetime Compressor Limited Warranty (in each case, good for as long as you own your home), 2-Year Unit Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Quebec.


A P G 16 36 080 M 4 1 **
1 2 3 4,5 6,7 8,9,10 11 12 13 14,15
Brand
A Amana® brand
Product Category
P Packaged Unit
Unit Type
G Gas/Electric
D Dual-Fuel
Efficiency
14 14 SEER
16 16 SEER
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
37 3 Tons
42 3½ Tons
48 4 Tons
60 5 Tons
Heat Input
60 60 MBTU/h
80 80 MBTU/h
100 100 MBTU/h
140 138 MBTU/h
Airflow
M Multi-Position
Refrigerant
4 R-410A
Electrical
1 208-230/1/60
Engineering
Major/ Minor Revisions
(not used for inventory control)

	APG1624 060M41AA	APG1630 080M41AA	APG1636 080M41AA	APG1642 100M41AA	APG1648 100M41AA	APG1660 140M41A*	APG1660 140M41B*
COOLING CAPACITY (BTU/H)							
Total	22,800	28,600	34,200	40,000	45,500	58,500	58,000
Sensible	18,200	21,800	27,400	29,600	32,800	43,500	43,500
SEER / EER	16.0 / 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	78	78	78	78
AHRI #s	8082388	8082389	8082390	8082391	8082392	9134478	205726753
HEATING CAPACITY (BTU/H)							
High-Fire Input / Output	60,000/47,000	80,000/62,000	80,000/62,000	100,000/78,000	100,000/78,000	138,000/112,000	138,000/112,000
Low-Fire Input / Output	45,000/35,000	60,000/47,000	60,000/47,000	75,000/58,000	75,000/58,000	103,000/84,000	105,000/85,000
AFUE	81	81	81	81	81	81	81
Temperature Rise Range	35- 65	35- 65	35- 65	35- 65	35- 65	55-105	35- 65
No. of Burners	3	4	4	5	5	6	6
Orifice Size (Gas / LP)	45 / 1.25mm	45 / 1.25mm	45 / 1.25mm	45 / 1.25mm	45 / 1.25mm	53 / 1.51MM	43 / 1.32MM
EVAPORATOR MOTOR							
Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (DxW)	10" x 8"	10" x 9"	11" x 10"	11" x 10"	11" x 10"	11" x 10"	12" x 11"
Indoor Nominal CFM	800	950	1,200	1,250	1,300	1,850	2,000
Motor Speed Tap (Cooling)	Variable	Variable	Variable	Variable	Variable	Variable	T3 L / T1 H
RPM / Amps (Cooling)	1050 / 4.3	1050 / 4.3	1050 / 6.8	1050 / 6.8	1050 / 6.8	1050 / 7	1200 / 6.9
Horsepower / RPM	1/2	1/2	3/4	3/4	3/4	1	1
EVAPORATOR COIL							
Face Area (ft^2)	4.3	4.3	5.7	5.7	5.7	8.9	8.9
Rows Deep / Fin per Inch	3 / 14	3 / 14	4 / 14	4 / 14	4 / 14	4 / 16	4 / 16
Expansion Device	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Filter Size (ft^2)	3.5	4.3	4.3	5.6	5.6	8.9	9.2
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge-- R-410A (oz.)	70	70	158	143	100	154	154
CONDENSER FAN / COIL							
Horsepower- RPM	1/6- 815	1/4- 830	1/4- 830	1/4- 1,075	1/4- 1,075	1/3- 1,095	1/3- 1,095
Fan Diameter / # of Fan Blades	22" / 3	22" / 3	22" / 3	22" / 3	22" / 3	22" / 4	22" / 3
Outdoor Nominal CFM	2,200	2,200	2,600	3,200	3,100	4,200	3,800
Face Area (ft^2)	12.3	8.7	14.9	14.9	14.4	19	19
Row Deep / Fins per Inch	1 / 24	2 / 27	2 / 16	2 / 16	2 / 27	2 / 27	2 / 28
COMPRESSOR							
Quantity / Type / Stage	1 / Scroll / 2	1 / Scroll / 2	1 / Scroll / 2	1 / Scroll / 2	1 / Scroll / 2	1 / Scroll / 2	1 / Scroll / 2
Compressor RLA / LRA	11.7 / 58.3	13.1 / 73.0	15.6 / 83.0	17.9 / 96.0	21.2 / 104.0	27/ 153	26.9 / 139.9
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
Indoor Blower FLA	4.3	4.3	6.8	6.8	6.8	7	6.9
Outdoor Fan FLA / LRA	1.1 / 1.7	1.5 / 3.0	1.3 / 3.0	1.4 / 2.9	1.4 / 2.9	2 / 4.4	2/4.4
Total Unit Amps	17.1	18.9	23.7	26.1	29.4	36	35.8
Min. Circuit Ampacity [1]	20.0	22.2	27.6	30.6	34.7	43.0	43.4
Max. Overcurrent Protection [2]	30 amps	35 amps	40 amps	45 amps	50 amps	60 amps	70 amps
Entrance Size Power Supply	1⅛"	1⅛"	1⅛"	1⅛"	1⅛"	1⅛"	1⅛"
Entrance Size Control Voltage	⅞"	⅞"	⅞"	⅞"	⅞"	1/2"	⅞"
OPERATING / SHIP WEIGHTS (LBS)	370 / 380	397 / 407	470 / 480	495 / 505	490 / 500	630 / 655	655 / 713
ENERGY STAR® CERTIFIED	NO	NO	ENERGY STAR	ENERGY STAR	ENERGY STAR	NO	ENERGY STAR

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

[2] Must use time-delay 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.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	910	MBh	23.3	24.1	26.4	-	22.7	23.5	25.8	-	22.2	23.0	25.2	-	21.6	22.4	24.6	-	20.5	21.3	23.3	-	19.0	19.7	21.6	-
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-
		ΔT	19	16	12	-	19	16	13	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.56	1.59	1.64	-	1.68	1.72	1.78	-	1.79	1.83	1.89	-	1.89	1.93	2.00	-	1.97	2.02	2.09	-	2.04	2.09	2.16	-
		Amps	6.9	7.0	7.2	-	7.4	7.5	7.7	-	7.9	8.1	8.3	-	8.4	8.6	8.9	-	8.9	9.1	9.4	-	9.4	9.6	9.9	-
		HI PR	237	255	269	-	266	286	302	-	302	325	344	-	344	371	391	-	388	417	440	-	428	461	487	-
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	162	-
	811	MBh	22.6	23.4	25.6	-	22.0	22.9	25.0	-	21.5	22.3	24.4	-	21.0	21.8	23.8	-	19.9	20.7	22.7	-	18.5	19.2	21.0	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	1.54	1.58	1.63	-	1.67	1.71	1.76	-	1.78	1.82	1.88	-	1.87	1.92	1.98	-	1.95	2.00	2.07	-	2.03	2.07	2.14	-
		Amps	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.9	8.0	8.3	-	8.3	8.5	8.8	-	8.8	9.0	9.3	-	9.3	9.5	9.8	-
		HI PR	235	253	267	-	263	283	299	-	299	322	340	-	341	367	388	-	384	413	436	-	424	456	482	-
		LO PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	711	MBh	20.8	21.6	23.7	-	20.4	21.1	23.1	-	19.9	20.6	22.6	-	19.4	20.1	22.0	-	18.4	19.1	20.9	-	17.1	17.7	19.4	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	1.51	1.54	1.59	-	1.63	1.66	1.72	-	1.73	1.77	1.83	-	1.82	1.87	1.93	-	1.90	1.95	2.01	-	1.97	2.02	2.09	-
		Amps	6.6	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.8	8.1	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-
		HI PR	228	245	259	-	255	275	290	-	290	313	330	-	331	356	376	-	372	401	423	-	411	443	467	-
		LO PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-
75	910	MBh	23.6	24.3	26.4	28.3	23.1	23.8	25.7	27.6	22.5	23.2	25.1	27.0	22.0	**22.6**	24.5	26.3	20.9	21.5	23.3	25.0	19.4	19.9	21.6	23.2
		S/T	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.65	0.42	1.00	**0.89**	0.68	0.43	1.00	0.93	0.70	0.45	1.00	0.93	0.71	0.46
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	21	20	17	11	20	19	15	11
		kW	1.57	1.61	1.66	1.71	1.70	1.73	1.79	1.85	1.81	1.85	1.91	1.98	1.91	**1.95**	2.02	2.09	1.99	2.03	2.10	2.18	2.06	2.11	2.18	2.26
		Amps	6.9	7.1	7.3	7.5	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.7	8.5	**8.7**	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.7	10.0	10.3
		HI PR	239	258	272	284	269	289	305	318	306	329	347	362	348	**375**	395	412	392	421	445	464	433	466	492	513
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	**139**	151	161	137	145	159	169	141	150	164	175
	811	MBh	23.0	23.6	25.6	27.5	22.4	23.1	25.0	26.8	21.9	22.5	24.4	26.2	21.4	**22.0**	23.8	25.5	20.3	20.9	22.6	24.3	18.8	19.3	20.9	22.5
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.83	0.62	0.40	0.95	**0.85**	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		kW	1.56	1.59	1.64	1.70	1.68	1.72	1.78	1.84	1.79	1.83	1.89	1.96	1.89	**1.93**	2.00	2.07	1.97	2.02	2.09	2.16	2.04	2.09	2.16	2.24
		Amps	6.9	7.0	7.2	7.5	7.4	7.5	7.7	8.0	7.9	8.1	8.3	8.6	8.4	**8.6**	8.9	9.2	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.2
		HI PR	237	255	269	281	266	286	302	315	303	326	344	359	345	**371**	392	408	388	417	440	459	428	461	487	508
		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
	711	MBh	21.2	21.8	23.6	25.3	20.7	21.3	23.1	24.8	20.2	20.8	22.5	24.2	19.7	**20.3**	22.0	23.6	18.7	19.3	20.9	22.4	17.3	17.9	19.3	20.7
		S/T	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		ΔT	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		kW	1.52	1.55	1.60	1.66	1.64	1.68	1.73	1.79	1.75	1.79	1.85	1.91	1.84	**1.88**	1.95	2.01	1.92	1.96	2.03	2.10	1.99	2.04	2.11	2.18
		Amps	6.7	6.8	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	**8.4**	8.6	8.9	8.7	8.9	9.1	9.5	9.1	9.3	9.6	10.0
		HI PR	230	247	261	273	258	278	293	306	293	316	333	348	334	**360**	380	396	376	405	427	446	415	447	472	492
		LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	**133**	145	155	131	140	152	162	136	144	158	168

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 service valves.

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	910	MBh	24.1	24.6	26.3	28.1	23.5	24.0	25.7	27.4	22.9	23.4	25.1	26.8	22.4	22.9	24.4	26.1	21.3	21.7	23.2	24.8	19.7	20.1	21.5	23.0
		S/T	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.62	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
		ΔT	24	23	20	16	24	24	20	16	23	24	20	16	23	23	21	16	21	22	20	16	20	20	19	15
		kW	1.58	1.62	1.67	1.73	1.71	1.75	1.81	1.87	1.82	1.86	1.93	1.99	1.92	1.97	2.03	2.10	2.01	2.05	2.12	2.20	2.08	2.13	2.20	2.28
		Amps	7.0	7.1	7.3	7.6	7.5	7.6	7.9	8.1	8.1	8.2	8.5	8.8	8.6	8.7	9.0	9.3	9.1	9.3	9.5	9.9	9.5	9.8	10.1	10.4
		HI PR	242	260	275	287	271	292	308	322	309	332	351	366	352	378	399	417	395	426	449	469	437	470	497	518
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	176
	811	MBh	23.4	23.9	25.5	27.3	22.8	23.3	24.9	26.6	22.3	22.8	24.3	26.0	21.7	22.2	**23.7**	25.4	20.6	21.1	22.5	24.1	19.1	19.5	20.9	22.3
		S/T	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	**0.80**	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		ΔT	25	24	21	17	26	24	21	17	25	25	21	17	25	25	**21**	17	23	24	21	17	22	22	20	16
		kW	1.57	1.61	1.66	1.71	1.70	1.73	1.79	1.85	1.81	1.85	1.91	1.98	1.91	1.95	**2.02**	2.09	1.99	2.03	2.10	2.18	2.06	2.11	2.18	2.26
		Amps	6.9	7.1	7.3	7.5	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.7	8.5	8.7	**8.9**	9.2	9.0	9.2	9.5	9.8	9.5	9.7	10.0	10.3
		HI PR	239	258	272	284	269	289	305	318	306	329	347	362	348	375	**396**	413	392	421	445	464	433	466	492	513
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	**151**	161	137	145	159	169	141	150	164	175
	711	MBh	21.6	22.0	23.5	25.2	21.1	21.5	23.0	24.6	20.6	21.0	22.4	24.0	20.1	20.5	21.9	23.4	19.1	19.5	20.8	22.2	17.7	18.0	19.3	20.6
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.74	0.56	1.01	0.94	0.77	0.57	1.05	0.98	0.80	0.60	1.05	0.99	0.80	0.60
		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	1.53	1.57	1.62	1.67	1.65	1.69	1.75	1.81	1.76	1.80	1.86	1.93	1.86	1.90	1.96	2.03	1.94	1.98	2.05	2.12	2.01	2.05	2.12	2.20
		Amps	6.8	6.9	7.1	7.3	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.3	8.5	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.1
		HI PR	232	250	264	275	261	280	296	309	296	319	337	351	338	363	384	400	380	409	432	450	420	452	477	497
		LO PR	110	117	127	136	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169
85	910	MBh	24.5	25.0	26.1	27.9	23.9	24.4	25.5	27.2	23.3	23.8	24.9	26.6	22.8	23.2	24.3	25.9	21.6	22.1	23.1	24.6	20.0	20.4	21.4	22.8
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.85
		ΔT	25	25	24	21	24	25	24	21	24	24	24	21	23	23	25	21	22	22	23	21	20	21	22	20
		kW	1.60	1.63	1.69	1.74	1.73	1.76	1.82	1.88	1.84	1.88	1.94	2.01	1.94	1.98	2.05	2.12	2.02	2.07	2.14	2.22	2.10	2.15	2.22	2.30
		Amps	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.6	8.8	9.1	9.4	9.1	9.3	9.6	10.0	9.6	9.8	10.1	10.5
		HI PR	244	263	278	290	274	295	311	325	312	335	354	369	355	382	403	421	399	430	454	473	441	475	501	523
		LO PR	115	123	134	143	122	130	141	151	127	135	147	157	133	141	154	164	139	148	162	172	144	153	167	178
	811	MBh	23.8	24.2	25.4	27.1	23.2	23.7	24.8	26.4	22.7	23.1	24.2	25.8	22.1	22.5	23.6	25.2	21.0	21.4	22.4	23.9	19.5	19.8	20.8	22.2
		S/T	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		ΔT	27	26	25	22	26	27	25	22	26	26	25	22	25	26	26	22	24	24	25	22	22	23	24	20
		kW	1.58	1.62	1.67	1.73	1.71	1.75	1.81	1.87	1.82	1.86	1.93	1.99	1.92	1.97	2.03	2.10	2.01	2.05	2.12	2.20	2.08	2.13	2.20	2.28
		Amps	7.0	7.1	7.3	7.6	7.5	7.6	7.9	8.1	8.1	8.2	8.5	8.8	8.6	8.7	9.0	9.3	9.1	9.3	9.5	9.9	9.5	9.8	10.1	10.4
		HI PR	242	260	275	287	271	292	308	322	309	332	351	366	352	378	399	417	395	426	449	469	437	470	497	518
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	176
	711	MBh	21.9	22.4	23.4	25.0	21.4	21.8	22.9	24.4	20.9	21.3	22.3	23.8	20.4	20.8	21.8	23.2	19.4	19.8	20.7	22.1	18.0	18.3	19.2	20.5
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		ΔT	27	27	25	22	28	27	26	22	27	27	26	22	26	27	26	22	25	26	26	22	23	24	24	21
		kW	1.54	1.58	1.63	1.68	1.67	1.70	1.76	1.82	1.78	1.82	1.88	1.94	1.87	1.92	1.98	2.05	1.95	2.00	2.07	2.14	2.02	2.07	2.14	2.22
		Amps	6.8	7.0	7.2	7.4	7.3	7.4	7.7	7.9	7.9	8.0	8.3	8.5	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.1
		HI PR	235	252	267	278	263	283	299	312	299	322	340	355	341	367	387	404	384	413	436	455	424	456	482	502
		LO PR	111	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1062	MBh	29.7	30.7	33.7	-	29.0	30.0	32.9	-	28.3	29.3	32.1	-	27.6	28.6	31.3	-	26.2	27.2	29.8	-	24.3	25.2	27.6	-
		S/T	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		kW	1.98	2.02	2.08	-	2.13	2.18	2.25	-	2.27	2.32	2.39	-	2.39	2.44	2.52	-	2.49	2.55	2.63	-	2.58	2.64	2.73	-
		Amps	8.5	8.7	9.0	-	9.1	9.3	9.6	-	9.8	10.0	10.3	-	10.4	10.7	11.0	-	11.0	11.3	11.6	-	11.6	11.9	12.2	-
		HI PR	238	257	271	-	268	288	304	-	304	327	346	-	347	373	394	-	390	420	443	-	431	464	490	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	946	MBh	28.8	29.9	32.7	-	28.1	29.2	31.9	-	27.5	28.5	31.2	-	26.8	27.8	30.4	-	25.5	26.4	28.9	-	23.6	24.4	26.8	-
		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	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		kW	1.96	2.00	2.07	-	2.11	2.16	2.23	-	2.25	2.30	2.37	-	2.37	2.42	2.50	-	2.47	2.53	2.61	-	2.56	2.62	2.70	-
		Amps	8.5	8.7	8.9	-	9.1	9.3	9.5	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-	10.9	11.2	11.5	-	11.5	11.8	12.1	-
		HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	439	-	427	459	485	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-
	830	MBh	26.6	27.6	30.2	-	26.0	26.9	29.5	-	25.3	26.3	28.8	-	24.7	25.6	28.1	-	23.5	24.3	26.7	-	21.8	22.6	24.7	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-
		ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-
		kW	1.91	1.95	2.02	-	2.06	2.11	2.17	-	2.19	2.24	2.31	-	2.31	2.36	2.44	-	2.41	2.46	2.54	-	2.49	2.55	2.63	-
		Amps	8.3	8.5	8.7	-	8.9	9.0	9.3	-	9.5	9.7	10.0	-	10.1	10.3	10.6	-	10.7	10.9	11.2	-	11.2	11.5	11.8	-
		HI PR	229	246	260	-	257	277	292	-	292	314	332	-	333	358	378	-	374	403	426	-	414	445	470	-
		LO PR	103	110	120	-	109	116	127	-	113	121	132	-	119	127	138	-	125	133	145	-	129	137	150	-
75	1062	MBh	30.2	31.1	33.6	36.1	29.5	30.3	32.8	35.2	28.8	29.6	32.1	34.4	28.1	**28.9**	31.3	33.6	26.7	27.4	29.7	31.9	24.7	25.4	27.5	29.5
		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	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	1.99	2.04	2.10	2.17	2.15	2.20	2.27	2.34	2.29	2.34	2.42	2.50	2.41	**2.46**	2.55	2.63	2.51	2.57	2.66	2.75	2.60	2.66	2.75	2.85
		Amps	8.6	8.8	9.0	9.3	9.2	9.4	9.7	10.0	9.9	10.1	10.4	10.8	10.5	**10.8**	11.1	11.4	11.1	11.4	11.7	12.1	11.7	12.0	12.3	12.8
		HI PR	241	259	274	285	270	291	307	320	307	331	349	364	350	**377**	398	415	394	424	448	467	435	468	495	516
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	152	162	136	144	158	168
	946	MBh	29.3	30.2	32.6	35.0	28.6	29.5	31.9	34.2	27.9	28.8	31.1	33.4	27.2	**28.1**	30.4	32.6	25.9	26.6	28.8	31.0	24.0	24.7	26.7	28.7
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.38	0.88	0.79	0.60	0.39	0.91	**0.82**	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.85	0.65	0.42
		ΔT	24	22	18	12	24	22	18	12	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
		kW	1.98	2.02	2.08	2.15	2.13	2.18	2.25	2.32	2.27	2.32	2.40	2.48	2.39	**2.44**	2.52	2.61	2.49	2.55	2.63	2.72	2.58	2.64	2.73	2.82
		Amps	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.8	10.0	10.3	10.7	10.4	**10.7**	11.0	11.4	11.0	11.3	11.6	12.0	11.6	11.9	12.2	12.7
		HI PR	238	257	271	283	268	288	304	317	304	328	346	361	347	**373**	394	411	390	420	443	462	431	464	490	511
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166
	830	MBh	27.0	27.8	30.1	32.3	26.4	27.2	29.4	31.6	25.8	26.5	28.7	30.8	25.1	**25.9**	28.0	30.1	23.9	24.6	26.6	28.6	22.1	22.8	24.7	26.5
		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	**0.79**	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	24	22	18	13	24	22	18	13	24	22	18	13	25	**23**	19	13	24	22	18	13	23	21	17	12
		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	2.65	2.51	2.57	2.66	2.75
		Amps	8.4	8.5	8.8	9.0	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.2	**10.4**	10.7	11.1	10.8	11.0	11.3	11.7	11.3	11.6	11.9	12.3
		HI PR	231	249	263	274	260	279	295	308	295	318	335	350	336	**362**	382	399	378	407	430	448	418	450	475	495
		LO PR	104	111	121	129	110	117	128	136	115	122	133	142	120	**128**	140	149	126	134	146	156	130	139	151	161

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1062	MBh	30.7	31.4	33.5	35.8	30.0	30.6	32.7	35.0	29.3	29.9	32.0	34.2	28.6	29.2	31.2	33.3	27.1	27.7	29.6	31.7	25.1	25.7	27.4	29.3
		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	25	24	21	17	26	25	21	17	25	25	21	17	25	25	22	17	23	24	21	17	22	22	20	16
		kW	2.01	2.05	2.12	2.19	2.17	2.21	2.29	2.36	2.31	2.36	2.44	2.52	2.43	2.48	2.57	2.65	2.53	2.59	2.68	2.77	2.62	2.68	2.78	2.87
		Amps	8.7	8.9	9.1	9.4	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.9	10.6	10.8	11.2	11.5	11.2	11.5	11.8	12.2	11.8	12.1	12.5	12.9
		HI PR	243	262	276	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
	946	MBh	29.8	30.5	32.5	34.8	29.1	29.8	31.8	34.0	28.4	29.0	31.0	33.2	27.7	28.3	**30.3**	32.4	26.3	26.9	28.8	30.7	24.4	24.9	26.6	28.5
		S/T	0.91	0.86	0.70	0.52	0.95	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	26	25	22	18	27	26	22	18	27	26	22	18	27	26	**22**	18	26	25	22	18	24	24	21	17
		kW	1.99	2.04	2.10	2.17	2.15	2.20	2.27	2.34	2.29	2.34	2.42	2.50	2.41	2.46	**2.55**	2.63	2.51	2.57	2.66	2.75	2.60	2.66	2.75	2.85
		Amps	8.6	8.8	9.0	9.3	9.2	9.4	9.7	10.0	9.9	10.1	10.4	10.8	10.5	10.8	**11.1**	11.4	11.1	11.4	11.7	12.1	11.7	12.0	12.3	12.8
		HI PR	241	259	274	286	270	291	307	320	307	331	349	364	350	377	**398**	415	394	424	448	467	435	468	495	516
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	**146**	155	131	140	153	162	136	144	158	168
	830	MBh	27.5	28.1	30.0	32.1	26.9	27.5	29.3	31.4	26.2	26.8	28.6	30.6	25.6	26.2	27.9	29.9	24.3	24.8	26.5	28.4	22.5	23.0	24.6	26.3
		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.01	0.95	0.77	0.58
		ΔT	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	22	18	25	24	21	17
		kW	1.94	1.99	2.05	2.12	2.10	2.14	2.21	2.28	2.23	2.28	2.35	2.43	2.35	2.40	2.48	2.56	2.45	2.50	2.59	2.68	2.54	2.59	2.68	2.77
		Amps	8.4	8.6	8.8	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	10.8	11.1	11.4	11.8	11.4	11.7	12.0	12.4
		HI PR	234	251	266	277	262	282	298	311	298	321	339	353	340	366	386	403	382	411	434	453	422	454	480	500
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	136	148	158	132	140	153	163
85	1062	MBh	31.2	31.8	33.4	35.6	30.5	31.1	32.6	34.8	29.8	30.4	31.8	33.9	29.1	29.6	31.0	33.1	27.6	28.1	29.5	31.4	25.6	26.1	27.3	29.1
		S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.91	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	27	27	25	22	26	27	26	22	26	26	26	22	25	26	26	22	24	24	25	22	22	23	24	21
		kW	2.03	2.07	2.14	2.21	2.18	2.23	2.31	2.38	2.33	2.38	2.46	2.54	2.45	2.51	2.59	2.68	2.56	2.61	2.70	2.79	2.65	2.71	2.80	2.90
		Amps	8.8	8.9	9.2	9.5	9.4	9.6	9.8	10.2	10.1	10.3	10.6	11.0	10.7	10.9	11.3	11.6	11.3	11.6	11.9	12.3	11.9	12.2	12.6	13.0
		HI PR	246	264	279	291	276	297	313	327	314	337	356	372	357	384	406	423	402	432	457	476	444	478	505	526
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	946	MBh	30.3	30.9	32.4	34.5	29.6	30.2	31.6	33.7	28.9	29.5	30.9	32.9	28.2	28.8	30.1	32.1	26.8	27.3	28.6	30.5	24.8	25.3	26.5	28.3
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	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	28	28	26	23	29	28	27	23	28	28	27	23	27	28	27	23	26	27	26	23	24	25	25	21
		kW	2.01	2.05	2.12	2.19	2.17	2.21	2.29	2.36	2.31	2.36	2.44	2.52	2.43	2.48	2.57	2.65	2.53	2.59	2.68	2.77	2.62	2.68	2.78	2.87
		Amps	8.7	8.9	9.1	9.4	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.9	10.6	10.8	11.2	11.5	11.2	11.5	11.8	12.2	11.8	12.1	12.5	12.9
		HI PR	243	262	276	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
	830	MBh	28.0	28.5	29.9	31.9	27.3	27.9	29.2	31.1	26.7	27.2	28.5	30.4	26.0	26.5	27.8	29.7	24.7	25.2	26.4	28.2	22.9	23.4	24.5	26.1
		S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		ΔT	29	28	27	23	29	28	27	23	29	29	27	23	29	29	27	23	27	28	27	23	25	26	25	22
		kW	1.96	2.00	2.07	2.13	2.11	2.16	2.23	2.30	2.25	2.30	2.37	2.45	2.37	2.42	2.50	2.59	2.47	2.52	2.61	2.70	2.56	2.61	2.70	2.80
		Amps	8.5	8.7	8.9	9.2	9.1	9.3	9.5	9.8	9.8	10.0	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.5	11.9	11.5	11.8	12.1	12.6
		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	457	426	459	485	505
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1366	MBh	36.4	37.7	41.3	-	35.5	36.8	40.3	-	34.7	35.9	39.4	-	33.8	35.1	38.4	-	32.1	33.3	36.5	-	29.8	30.9	33.8	-
		S/T	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.73	0.51	-	0.91	0.76	0.53	-	0.92	0.77	0.53	-
		Δ T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	2.42	2.47	2.54	-	2.60	2.66	2.74	-	2.77	2.83	2.92	-	2.91	2.97	3.07	-	3.03	3.10	3.20	-	3.14	3.21	3.32	-
		Amps	11.1	11.4	11.7	-	11.9	12.1	12.4	-	12.7	13.0	13.3	-	13.4	13.7	14.1	-	14.2	14.5	14.9	-	14.9	15.2	15.6	-
		HI PR	224	241	254	-	251	270	285	-	286	307	325	-	325	350	370	-	366	394	416	-	404	435	460	-
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-
	1217	MBh	35.3	36.6	40.1	-	34.5	35.8	39.2	-	33.7	34.9	38.2	-	32.8	34.0	37.3	-	31.2	32.3	35.4	-	28.9	30.0	32.8	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.51	-
		Δ T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		kW	2.40	2.45	2.52	-	2.58	2.64	2.72	-	2.74	2.80	2.89	-	2.89	2.95	3.05	-	3.01	3.07	3.18	-	3.11	3.18	3.29	-
		Amps	11.1	11.3	11.6	-	11.8	12.0	12.3	-	12.6	12.9	13.2	-	13.3	13.6	14.0	-	14.1	14.3	14.8	-	14.8	15.1	15.5	-
		HI PR	222	238	252	-	249	268	283	-	283	304	321	-	322	347	366	-	362	390	412	-	400	431	455	-
		LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-
	1067	MBh	32.6	33.8	37.0	-	31.8	33.0	36.2	-	31.1	32.2	35.3	-	30.3	31.4	34.4	-	28.8	29.9	32.7	-	26.7	27.7	30.3	-
		S/T	0.73	0.61	0.42	-	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	-
		Δ T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		kW	2.34	2.39	2.46	-	2.52	2.57	2.65	-	2.68	2.73	2.82	-	2.81	2.88	2.97	-	2.93	3.00	3.10	-	3.03	3.10	3.20	-
		Amps	10.8	11.0	11.3	-	11.5	11.7	12.1	-	12.3	12.6	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.4	-	14.4	14.7	15.1	-
		HI PR	215	231	244	-	241	260	274	-	274	295	312	-	312	336	355	-	351	378	399	-	388	418	441	-
		LO PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
75	1366	MBh	37.0	38.1	41.2	44.2	36.1	37.2	40.3	43.2	35.3	36.3	39.3	42.2	34.4	**35.4**	38.3	41.2	32.7	33.7	36.4	39.1	30.3	31.2	33.7	36.2
		S/T	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.96	0.86	0.65	0.42	1.00	**0.89**	0.67	0.43	1.00	0.92	0.70	0.45	1.00	0.93	0.71	0.45
		Δ T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	20	20	16	11
		kW	2.44	2.49	2.57	2.65	2.62	2.68	2.77	2.86	2.79	2.85	2.94	3.04	2.93	**3.00**	3.10	3.20	3.06	3.13	3.23	3.34	3.17	3.24	3.34	3.46
		Amps	11.2	11.4	11.7	12.1	12.0	12.2	12.5	12.9	12.8	13.1	13.4	13.9	13.5	**13.8**	14.2	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3
		HI PR	226	243	257	268	254	273	288	301	289	311	328	342	329	**354**	373	390	370	398	420	438	409	440	464	484
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	**139**	152	161	137	145	159	169	141	150	164	175
	1217	MBh	35.9	37.0	40.0	43.0	35.1	36.1	39.1	42.0	34.2	35.3	38.2	41.0	33.4	**34.4**	37.2	40.0	31.7	32.7	35.4	38.0	29.4	30.3	32.8	35.2
		S/T	0.87	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	**0.85**	0.64	0.41	0.99	0.88	0.67	0.43	0.99	0.89	0.67	0.43
		Δ T	23	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	24	22	18	12	22	20	17	12
		kW	2.42	2.47	2.55	2.63	2.60	2.66	2.74	2.83	2.77	2.83	2.92	3.01	2.91	**2.97**	3.07	3.17	3.03	3.10	3.20	3.31	3.14	3.21	3.32	3.43
		Amps	11.1	11.4	11.7	12.0	11.9	12.1	12.4	12.8	12.7	13.0	13.3	13.7	13.4	**13.7**	14.1	14.6	14.2	14.5	14.9	15.4	14.9	15.2	15.6	16.2
		HI PR	224	241	254	265	251	270	285	298	286	307	325	339	325	**350**	370	386	366	394	416	434	404	435	460	479
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	163	173
	1067	MBh	33.1	34.1	36.9	39.6	32.4	33.3	36.1	38.7	31.6	32.5	35.2	37.8	30.8	**31.7**	34.4	36.9	29.3	30.2	32.6	35.0	27.1	27.9	30.2	32.5
		S/T	0.83	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
		Δ T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
		kW	2.36	2.41	2.48	2.56	2.54	2.59	2.68	2.76	2.70	2.76	2.85	2.94	2.84	**2.90**	2.99	3.09	2.96	3.02	3.12	3.23	3.06	3.13	3.23	3.34
		Amps	10.9	11.1	11.4	11.7	11.6	11.8	12.2	12.5	12.4	12.7	13.0	13.4	13.1	**13.4**	13.8	14.2	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8
		HI PR	217	234	247	257	244	262	277	289	277	298	315	328	316	**340**	359	374	355	382	404	421	392	422	446	465
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	152	162	136	144	158	168

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1366	MBh	37.6	38.5	41.1	43.9	36.8	37.6	40.1	42.9	35.9	36.7	39.2	41.9	35.0	35.8	38.2	40.9	33.3	34.0	36.3	38.8	30.8	31.5	33.6	36.0
		S/T	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.81	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.87	0.65	1.00	1.00	0.87	0.65
		Δ T	25	24	21	17	25	24	21	17	24	25	21	17	24	24	21	17	22	23	21	17	21	21	20	16
		kW	2.46	2.51	2.59	2.67	2.64	2.70	2.79	2.88	2.81	2.87	2.97	3.07	2.96	3.02	3.12	3.23	3.08	3.15	3.26	3.37	3.19	3.26	3.37	3.49
		Amps	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.2	13.5	14.0	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4
		HI PR	228	246	260	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	443	413	444	469	489
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1217	MBh	36.6	37.3	39.9	42.7	35.7	36.5	39.0	41.7	34.9	35.6	38.0	40.7	34.0	34.7	**37.1**	39.7	32.3	33.0	35.3	37.7	29.9	30.6	32.7	34.9
		S/T	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	0.98	**0.80**	0.59	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		Δ T	26	25	22	17	27	25	22	18	26	25	22	18	26	26	**22**	18	24	25	22	18	23	23	21	16
		kW	2.44	2.49	2.57	2.65	2.62	2.68	2.77	2.86	2.79	2.85	2.94	3.04	2.93	3.00	**3.10**	3.20	3.06	3.13	3.23	3.34	3.17	3.24	3.34	3.46
		Amps	11.2	11.4	11.7	12.1	12.0	12.2	12.5	12.9	12.8	13.1	13.4	13.9	13.5	13.8	**14.2**	14.7	14.3	14.6	15.0	15.5	15.0	15.3	15.8	16.3
		HI PR	226	243	257	268	254	273	288	301	289	311	328	342	329	354	**374**	390	370	398	420	438	409	440	464	484
		LO PR	113	120	131	140	120	127	139	148	124	132	144	154	130	139	**152**	161	137	145	159	169	141	150	164	175
	1067	MBh	33.7	34.5	36.8	39.4	33.0	33.7	36.0	38.5	32.2	32.9	35.1	37.5	31.4	32.1	34.3	36.6	29.8	30.5	32.5	34.8	27.6	28.2	30.1	32.2
		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	1.04	0.98	0.80	0.59	1.05	0.99	0.80	0.60
		Δ T	27	26	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17
		kW	2.38	2.43	2.50	2.58	2.56	2.61	2.70	2.79	2.72	2.78	2.87	2.96	2.86	2.92	3.02	3.12	2.98	3.05	3.15	3.25	3.09	3.15	3.26	3.37
		Amps	11.0	11.2	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.8	13.1	13.5	13.2	13.5	13.9	14.3	13.9	14.2	14.6	15.1	14.6	15.0	15.4	15.9
		HI PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	359	386	408	425	396	426	450	470
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
85	1366	MBh	38.3	39.0	40.9	43.6	37.4	38.1	39.9	42.6	36.5	37.2	39.0	41.6	35.6	36.3	38.0	40.6	33.9	34.5	36.1	38.6	31.4	32.0	33.5	35.7
		S/T	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.84	1.00	1.00	1.00	0.85
		Δ T	26	26	25	22	25	26	25	22	25	25	25	22	24	24	26	22	23	23	24	22	21	22	23	20
		kW	2.47	2.53	2.61	2.69	2.67	2.72	2.81	2.90	2.83	2.90	2.99	3.09	2.98	3.05	3.15	3.26	3.11	3.18	3.29	3.40	3.22	3.29	3.40	3.52
		Amps	11.4	11.6	11.9	12.3	12.1	12.4	12.7	13.1	13.0	13.3	13.6	14.1	13.8	14.0	14.4	14.9	14.5	14.8	15.2	15.7	15.2	15.6	16.0	16.5
		HI PR	231	248	262	273	259	279	294	307	294	317	335	349	335	361	381	397	377	406	429	447	417	448	474	494
		LO PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	173	144	153	168	178
	1217	MBh	37.2	37.9	39.7	42.4	36.3	37.0	38.8	41.4	35.5	36.1	37.9	40.4	34.6	35.3	36.9	39.4	32.9	33.5	35.1	37.4	30.4	31.0	32.5	34.7
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Δ T	28	28	26	23	27	28	26	23	27	27	26	23	26	27	27	23	25	25	26	23	23	23	24	21
		kW	2.46	2.51	2.59	2.67	2.64	2.70	2.79	2.88	2.81	2.87	2.97	3.07	2.96	3.02	3.12	3.23	3.08	3.15	3.26	3.37	3.19	3.26	3.37	3.49
		Amps	11.3	11.5	11.8	12.2	12.0	12.3	12.6	13.0	12.9	13.2	13.5	14.0	13.6	13.9	14.3	14.8	14.4	14.7	15.1	15.6	15.1	15.4	15.9	16.4
		HI PR	228	246	260	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	443	413	444	469	489
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1067	MBh	34.3	35.0	36.6	39.1	33.5	34.2	35.8	38.2	32.7	33.4	34.9	37.3	31.9	32.5	34.1	36.4	30.3	30.9	32.4	34.5	28.1	28.6	30.0	32.0
		S/T	0.96	0.93	0.84	0.68	0.99	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
		Δ T	28	28	26	23	29	28	27	23	28	28	27	23	28	28	27	23	26	27	27	23	24	25	25	21
		kW	2.40	2.45	2.52	2.60	2.58	2.64	2.72	2.81	2.74	2.80	2.89	2.99	2.89	2.95	3.05	3.15	3.01	3.07	3.17	3.28	3.11	3.18	3.29	3.40
		Amps	11.1	11.3	11.6	11.9	11.8	12.0	12.3	12.7	12.6	12.9	13.2	13.6	13.3	13.6	14.0	14.4	14.0	14.3	14.8	15.2	14.8	15.1	15.5	16.0
		HI PR	222	238	252	263	249	268	282	295	283	304	321	335	322	347	366	382	362	390	412	429	400	431	455	474
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1410	MBh	42.8	44.3	48.6	-	41.8	43.3	47.4	-	40.8	42.3	46.3	-	39.8	41.2	45.2	-	37.8	39.2	42.9	-	35.0	36.3	39.7	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Δ T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-
		kW	2.76	2.82	2.91	-	2.98	3.04	3.14	-	3.16	3.23	3.34	-	3.33	3.40	3.52	-	3.47	3.55	3.67	-	3.59	3.67	3.80	-
		Amps	12.2	12.4	12.8	-	13.0	13.3	13.7	-	14.0	14.3	14.7	-	14.8	15.1	15.6	-	15.6	16.0	16.5	-	16.5	16.8	17.3	-
		HI PR	239	257	272	-	268	289	305	-	305	328	347	-	347	374	395	-	391	420	444	-	432	465	491	-
		LO PR	109	116	126	-	115	122	134	-	119	127	139	-	125	134	146	-	132	140	153	-	136	145	158	-
	1255	MBh	41.5	43.0	47.1	-	40.5	42.0	46.0	-	39.6	41.0	44.9	-	38.6	40.0	43.8	-	36.7	38.0	41.7	-	34.0	35.2	38.6	-
		S/T	0.71	0.59	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	-
		Δ T	22	19	14	-	22	19	14	-	22	19	14	-	22	19	15	-	22	19	14	-	20	18	13	-
		kW	2.74	2.80	2.89	-	2.95	3.02	3.11	-	3.14	3.21	3.31	-	3.30	3.38	3.49	-	3.44	3.52	3.64	-	3.56	3.64	3.76	-
		Amps	12.1	12.3	12.7	-	12.9	13.2	13.6	-	13.9	14.2	14.6	-	14.7	15.0	15.4	-	15.5	15.9	16.3	-	16.3	16.7	17.2	-
		HI PR	237	255	269	-	265	286	302	-	302	325	343	-	344	370	391	-	387	416	440	-	427	460	486	-
		LO PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	156	-
	1101	MBh	38.3	39.7	43.5	-	37.4	38.8	42.5	-	36.5	37.9	41.5	-	35.6	36.9	40.5	-	33.9	35.1	38.4	-	31.4	32.5	35.6	-
		S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Δ T	22	19	14	-	22	19	15	-	22	19	15	-	22	19	15	-	22	19	15	-	21	18	14	-
		kW	2.68	2.73	2.82	-	2.88	2.94	3.04	-	3.06	3.13	3.23	-	3.22	3.29	3.40	-	3.36	3.43	3.54	-	3.47	3.55	3.67	-
		Amps	11.8	12.0	12.4	-	12.6	12.9	13.2	-	13.5	13.8	14.2	-	14.3	14.6	15.1	-	15.1	15.5	15.9	-	15.9	16.3	16.8	-
		HI PR	229	247	261	-	258	277	293	-	293	315	333	-	334	359	379	-	375	404	426	-	415	446	471	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	121	128	140	-	126	134	147	-	131	139	152	-
75	1410	MBh	43.5	44.8	48.5	52.0	42.5	43.7	47.3	50.8	41.5	42.7	46.2	49.6	40.4	**41.6**	45.1	48.4	38.4	39.6	42.8	46.0	35.6	36.6	39.7	42.6
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	**0.83**	0.63	0.41	0.97	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Δ T	24	22	18	13	24	22	18	13	24	22	18	13	25	**23**	19	13	24	22	18	13	23	21	17	12
		kW	2.79	2.85	2.94	3.03	3.00	3.07	3.16	3.27	3.19	3.26	3.37	3.48	3.36	**3.43**	3.55	3.66	3.50	3.58	3.70	3.82	3.62	3.70	3.83	3.96
		Amps	12.3	12.5	12.9	13.3	13.1	13.4	13.8	14.2	14.1	14.4	14.8	15.3	14.9	**15.3**	15.7	16.2	15.8	16.1	16.6	17.2	16.6	17.0	17.5	18.1
		HI PR	241	260	274	286	271	291	308	321	308	332	350	365	351	**378**	399	416	395	425	449	468	436	469	496	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
	1255	MBh	42.2	43.5	47.0	50.5	41.2	42.5	45.9	49.3	40.2	41.4	44.9	48.1	39.3	**40.4**	43.8	47.0	37.3	38.4	41.6	44.6	34.6	35.6	38.5	41.3
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Δ T	25	23	19	13	25	23	19	13	25	23	19	13	26	**24**	19	13	25	23	19	13	24	22	18	12
		kW	2.76	2.82	2.91	3.01	2.98	3.04	3.14	3.24	3.16	3.23	3.34	3.45	3.33	**3.40**	3.52	3.63	3.47	3.55	3.67	3.79	3.59	3.67	3.80	3.93
		Amps	12.2	12.4	12.8	13.2	13.0	13.3	13.7	14.1	14.0	14.3	14.7	15.2	14.8	**15.1**	15.6	16.1	15.7	16.0	16.5	17.0	16.5	16.8	17.3	17.9
		HI PR	239	257	272	283	268	289	305	318	305	328	347	362	347	**374**	395	412	391	421	444	463	432	465	491	512
		LO PR	109	116	126	135	115	122	134	142	119	127	139	148	126	**134**	146	155	132	140	153	163	136	145	158	168
	1101	MBh	39.0	40.1	43.4	46.6	38.1	39.2	42.4	45.5	37.2	38.3	41.4	44.4	36.2	**37.3**	40.4	43.4	34.4	35.5	38.4	41.2	31.9	32.8	35.5	38.1
		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	0.86	**0.77**	0.58	0.37	0.89	0.79	0.60	0.39	0.90	0.80	0.61	0.39
		Δ T	25	23	19	13	26	24	19	13	26	24	19	13	26	**24**	20	13	26	24	19	13	24	22	18	12
		kW	2.70	2.75	2.84	2.93	2.90	2.97	3.06	3.16	3.09	3.15	3.26	3.36	3.25	**3.32**	3.43	3.54	3.38	3.46	3.57	3.69	3.50	3.58	3.70	3.82
		Amps	11.9	12.1	12.5	12.9	12.7	13.0	13.3	13.8	13.6	13.9	14.3	14.8	14.5	**14.8**	15.2	15.7	15.3	15.6	16.1	16.6	16.1	16.4	16.9	17.5
		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	106	112	123	131	112	119	130	138	116	123	135	143	122	**130**	141	151	128	136	148	158	132	140	153	163

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1410	MBh	44.3	45.2	48.3	51.6	43.2	44.2	47.2	50.4	42.2	43.1	46.1	49.2	41.2	42.1	44.9	48.0	39.1	40.0	42.7	45.6	36.2	37.0	39.5	42.3
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.82	0.61
		Δ T	27	26	22	18	27	26	23	18	28	26	23	18	27	26	23	18	26	26	23	18	24	24	21	17
		kW	2.81	2.87	2.96	3.05	3.03	3.09	3.19	3.30	3.22	3.29	3.40	3.51	3.39	3.46	3.58	3.70	3.53	3.61	3.73	3.86	3.65	3.74	3.86	3.99
		Amps	12.4	12.6	13.0	13.4	13.2	13.5	13.9	14.3	14.2	14.5	14.9	15.4	15.1	15.4	15.8	16.4	15.9	16.3	16.7	17.3	16.7	17.1	17.6	18.2
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	473	441	474	501	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
	1255	MBh	43.0	43.9	46.9	50.1	42.0	42.9	45.8	49.0	41.0	41.9	44.7	47.8	40.0	40.8	**43.6**	46.6	38.0	38.8	41.4	44.3	35.2	35.9	38.4	41.0
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58
		Δ T	28	27	23	19	28	27	24	19	28	27	24	19	28	27	**24**	19	28	27	23	19	26	25	22	17
		kW	2.79	2.85	2.94	3.03	3.00	3.07	3.16	3.27	3.19	3.26	3.37	3.48	3.36	3.43	**3.55**	3.67	3.50	3.58	3.70	3.82	3.62	3.71	3.83	3.96
		Amps	12.3	12.5	12.9	13.3	13.1	13.4	13.8	14.2	14.1	14.4	14.8	15.3	14.9	15.3	**15.7**	16.2	15.8	16.1	16.6	17.2	16.6	17.0	17.5	18.1
		HI PR	241	260	274	286	271	292	308	321	308	332	350	365	351	378	**399**	416	395	425	449	468	436	469	496	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
	1101	MBh	39.7	40.5	43.3	46.3	38.7	39.6	42.3	45.2	37.8	38.6	41.3	44.1	36.9	37.7	40.3	43.1	35.0	35.8	38.3	40.9	32.5	33.2	35.4	37.9
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	0.98	0.92	0.75	0.56
		Δ T	28	27	24	19	29	27	24	19	29	28	24	19	29	28	24	19	28	27	24	19	27	26	22	18
		kW	2.72	2.78	2.86	2.96	2.93	2.99	3.09	3.19	3.11	3.18	3.28	3.39	3.27	3.35	3.46	3.57	3.41	3.49	3.60	3.73	3.53	3.61	3.73	3.86
		Amps	12.0	12.2	12.6	13.0	12.8	13.1	13.4	13.9	13.8	14.0	14.5	14.9	14.6	14.9	15.3	15.8	15.4	15.7	16.2	16.7	16.2	16.6	17.1	17.6
		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	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165
85	1410	MBh	45.0	45.9	48.1	51.3	44.0	44.8	47.0	50.1	42.9	43.8	45.8	48.9	41.9	42.7	44.7	47.7	39.8	40.6	42.5	45.3	36.9	37.6	39.3	42.0
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.78	1.00	1.00	0.98	0.79
		Δ T	29	28	27	23	29	29	27	23	28	29	27	23	27	28	27	24	26	26	27	23	24	25	25	22
		kW	2.83	2.89	2.98	3.08	3.05	3.12	3.22	3.32	3.24	3.32	3.42	3.54	3.41	3.49	3.61	3.73	3.56	3.64	3.76	3.89	3.68	3.77	3.89	4.03
		Amps	12.5	12.7	13.1	13.5	13.3	13.6	14.0	14.4	14.3	14.6	15.0	15.5	15.2	15.5	16.0	16.5	16.0	16.4	16.9	17.5	16.9	17.3	17.8	18.4
		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
	1255	MBh	43.7	44.6	46.7	49.8	42.7	43.5	45.6	48.6	41.7	42.5	44.5	47.5	40.7	41.5	43.4	46.3	38.6	39.4	41.2	44.0	35.8	36.5	38.2	40.8
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Δ T	30	29	28	24	30	30	28	24	30	30	28	24	30	30	28	24	28	29	28	24	26	27	26	23
		kW	2.81	2.87	2.96	3.05	3.03	3.09	3.19	3.30	3.22	3.29	3.40	3.51	3.39	3.46	3.58	3.70	3.53	3.61	3.73	3.86	3.65	3.74	3.86	3.99
		Amps	12.4	12.6	13.0	13.4	13.2	13.5	13.9	14.3	14.2	14.5	14.9	15.4	15.1	15.4	15.8	16.4	15.9	16.3	16.7	17.3	16.7	17.1	17.6	18.2
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	473	441	474	501	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
	1101	MBh	40.3	41.1	43.1	46.0	39.4	40.2	42.1	44.9	38.5	39.2	41.1	43.8	37.5	38.3	40.1	42.7	35.7	36.3	38.1	40.6	33.0	33.7	35.3	37.6
		S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73
		Δ T	30	30	28	24	31	30	28	25	31	30	28	25	31	30	29	25	30	30	28	24	28	28	26	23
		kW	2.74	2.80	2.89	2.98	2.95	3.02	3.11	3.21	3.14	3.21	3.31	3.42	3.30	3.37	3.49	3.60	3.44	3.52	3.63	3.76	3.56	3.64	3.76	3.89
		Amps	12.1	12.3	12.7	13.1	12.9	13.2	13.5	14.0	13.9	14.2	14.6	15.0	14.7	15.0	15.4	16.0	15.5	15.9	16.3	16.9	16.3	16.7	17.2	17.8
		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	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	138	151	161	135	143	156	167

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1443	MBh	46.2	47.9	52.5	-	45.1	46.8	51.3	-	44.1	45.7	50.0	-	43.0	44.6	48.8	-	40.8	42.3	46.4	-	37.8	39.2	43.0	-
		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	0.69	0.47	-	0.83	0.69	0.48	-
		Δ T	21	18	14	-	21	19	14	-	21	19	14	-	22	19	14	-	21	18	14	-	20	17	13	-
		kW	3.05	3.11	3.21	-	3.28	3.35	3.46	-	3.49	3.56	3.68	-	3.67	3.75	3.87	-	3.83	3.91	4.04	-	3.96	4.05	4.18	-
		Amps	14.3	14.6	15.0	-	15.3	15.6	16.1	-	16.4	16.8	17.3	-	17.4	17.8	18.3	-	18.4	18.8	19.3	-	19.3	19.7	20.3	-
		HI PR	239	257	271	-	268	288	304	-	305	328	346	-	347	373	394	-	390	420	443	-	431	464	490	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-
	1286	MBh	44.9	46.5	51.0	-	43.8	45.4	49.8	-	42.8	44.3	48.6	-	41.7	43.3	47.4	-	39.7	41.1	45.0	-	36.7	38.1	41.7	-
		S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Δ T	22	19	14	-	22	19	15	-	22	19	15	-	23	19	15	-	22	19	15	-	21	18	14	-
		kW	3.02	3.09	3.18	-	3.25	3.32	3.43	-	3.46	3.53	3.65	-	3.64	3.72	3.84	-	3.79	3.88	4.01	-	3.93	4.01	4.15	-
		Amps	14.2	14.5	14.9	-	15.2	15.5	15.9	-	16.3	16.6	17.1	-	17.3	17.6	18.1	-	18.2	18.6	19.2	-	19.2	19.6	20.2	-
		HI PR	236	254	269	-	265	285	301	-	302	325	343	-	343	370	390	-	386	416	439	-	427	459	485	-
		LO PR	105	111	122	-	111	118	129	-	115	122	134	-	121	129	140	-	127	135	147	-	131	139	152	-
	1128	MBh	41.4	42.9	47.0	-	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	36.6	37.9	41.6	-	33.9	35.1	38.5	-
		S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.64	0.44	-
		Δ T	22	19	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	19	15	-	21	18	14	-
		kW	2.95	3.01	3.11	-	3.18	3.24	3.35	-	3.37	3.45	3.56	-	3.55	3.63	3.75	-	3.70	3.78	3.91	-	3.83	3.91	4.04	-
		Amps	13.9	14.2	14.6	-	14.8	15.1	15.6	-	15.9	16.2	16.7	-	16.9	17.2	17.7	-	17.8	18.2	18.7	-	18.7	19.1	19.7	-
		HI PR	229	247	260	-	257	277	292	-	293	315	332	-	333	359	379	-	375	403	426	-	414	446	471	-
		LO PR	102	108	118	-	107	114	125	-	112	119	130	-	117	125	136	-	123	131	143	-	127	135	148	-
75	1443	MBh	47.0	48.4	52.4	56.2	45.9	47.3	51.2	54.9	44.8	46.1	49.9	53.6	43.7	**45.0**	48.7	52.3	41.5	42.8	46.3	49.7	38.5	39.6	42.9	46.0
		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
		Δ T	25	23	19	13	25	23	19	13	25	23	19	13	25	**23**	19	13	25	23	19	13	23	21	17	12
		kW	3.07	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.52	3.59	3.71	3.83	3.70	**3.78**	3.91	4.04	3.86	3.94	4.08	4.21	3.99	4.08	4.22	4.36
		Amps	14.5	14.7	15.1	15.6	15.4	15.7	16.2	16.7	16.6	16.9	17.4	18.0	17.5	**17.9**	18.4	19.0	18.5	18.9	19.5	20.1	19.5	19.9	20.5	21.2
		HI PR	241	259	274	286	271	291	307	321	308	331	350	365	350	**377**	398	415	394	424	448	467	436	469	495	516
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	**131**	143	152	129	137	150	160	134	142	155	165
	1286	MBh	45.6	47.0	50.8	54.6	44.6	45.9	49.7	53.3	43.5	44.8	48.5	52.0	42.4	**43.7**	47.3	50.8	40.3	41.5	44.9	48.2	37.4	38.5	41.6	44.7
		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	0.86	**0.77**	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
		Δ T	25	23	19	13	26	24	19	13	26	24	19	13	26	**24**	20	14	26	24	19	13	24	22	18	12
		kW	3.05	3.11	3.21	3.31	3.28	3.35	3.46	3.57	3.49	3.56	3.68	3.80	3.67	**3.75**	3.88	4.01	3.83	3.91	4.04	4.18	3.96	4.05	4.18	4.33
		Amps	14.3	14.6	15.0	15.5	15.3	15.6	16.1	16.6	16.4	16.8	17.3	17.8	17.4	**17.8**	18.3	18.9	18.4	18.8	19.3	20.0	19.3	19.7	20.3	21.0
		HI PR	239	257	271	283	268	288	304	317	305	328	346	361	347	**373**	394	411	390	420	444	463	431	464	490	511
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	**130**	142	151	128	136	149	158	132	141	154	164
	1128	MBh	42.1	43.4	46.9	50.4	41.1	42.4	45.8	49.2	40.2	41.3	44.8	48.0	39.2	**40.3**	43.7	46.9	37.2	38.3	41.5	44.5	34.5	35.5	38.4	41.2
		S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	**0.74**	0.56	0.36	0.86	0.77	0.58	0.37	0.86	0.77	0.59	0.38
		Δ T	26	24	20	13	26	24	20	14	26	24	20	14	26	**24**	20	14	26	24	20	14	24	22	18	13
		kW	2.97	3.04	3.13	3.23	3.20	3.27	3.37	3.48	3.40	3.48	3.59	3.71	3.58	**3.66**	3.78	3.90	3.73	3.81	3.94	4.07	3.86	3.95	4.08	4.22
		Amps	14.0	14.3	14.7	15.1	15.0	15.3	15.7	16.2	16.0	16.4	16.8	17.4	17.0	**17.3**	17.8	18.4	17.9	18.3	18.8	19.5	18.8	19.3	19.8	20.5
		HI PR	232	249	263	274	260	280	295	308	295	318	336	350	337	**362**	382	399	379	407	430	449	418	450	475	496
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	**126**	138	146	124	132	144	153	128	137	149	159

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	1443	MBh	47.8	48.9	52.2	55.8	46.7	47.7	51.0	54.5	45.6	46.6	49.8	53.2	44.5	45.5	48.6	51.9	42.3	43.2	46.1	49.3	39.2	40.0	42.7	45.7
		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	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
		ΔT	27	26	23	18	28	27	23	18	28	27	23	18	28	27	23	19	27	26	23	18	25	25	21	17
		kW	3.10	3.16	3.26	3.37	3.33	3.41	3.52	3.63	3.55	3.62	3.74	3.87	3.73	3.82	3.94	4.07	3.89	3.98	4.11	4.25	4.03	4.12	4.26	4.40
		Amps	14.6	14.9	15.3	15.7	15.6	15.9	16.3	16.8	16.7	17.0	17.5	18.1	17.7	18.1	18.6	19.2	18.7	19.1	19.6	20.3	19.6	20.1	20.7	21.4
		HI PR	244	262	277	289	273	294	311	324	311	334	353	368	354	381	402	420	398	429	453	472	440	473	500	521
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	125	132	145	154	131	139	152	161	135	144	157	167
	1286	MBh	46.4	47.5	50.7	54.2	45.4	46.3	49.5	52.9	44.3	45.2	48.3	51.7	43.2	44.1	**47.2**	50.4	41.0	41.9	44.8	47.9	38.0	38.8	41.5	44.4
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.88	**0.72**	0.54	0.98	0.92	0.74	0.56	0.98	0.92	0.75	0.56
		ΔT	28	27	24	19	29	28	24	19	29	28	24	19	29	28	**24**	19	29	27	24	19	27	26	22	18
		kW	3.07	3.14	3.24	3.34	3.31	3.38	3.49	3.60	3.52	3.59	3.71	3.83	3.70	3.78	**3.91**	4.04	3.86	3.94	4.08	4.21	3.99	4.08	4.22	4.36
		Amps	14.5	14.7	15.1	15.6	15.4	15.7	16.2	16.7	16.6	16.9	17.4	18.0	17.5	17.9	**18.4**	19.0	18.5	18.9	19.5	20.1	19.5	19.9	20.5	21.2
		HI PR	241	259	274	286	271	291	307	321	308	331	350	365	350	377	**398**	415	394	424	448	467	436	469	495	516
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	**143**	153	129	137	150	160	134	142	155	165
	1128	MBh	42.9	43.8	46.8	50.0	41.9	42.8	45.7	48.9	40.9	41.8	44.6	47.7	39.9	40.7	43.5	46.5	37.9	38.7	41.4	44.2	35.1	35.9	38.3	40.9
		S/T	0.83	0.78	0.63	0.47	0.86	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54
		ΔT	29	28	24	19	29	28	24	19	29	28	24	19	29	28	25	20	29	28	24	19	27	26	23	18
		kW	3.00	3.06	3.16	3.26	3.23	3.30	3.40	3.51	3.43	3.51	3.62	3.74	3.61	3.69	3.81	3.94	3.76	3.85	3.97	4.11	3.89	3.98	4.11	4.25
		Amps	14.1	14.4	14.8	15.3	15.1	15.4	15.8	16.3	16.2	16.5	17.0	17.5	17.1	17.5	18.0	18.6	18.1	18.5	19.0	19.6	19.0	19.4	20.0	20.7
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	412	435	453	423	455	480	501
		LO PR	104	110	120	128	110	117	127	136	114	121	132	141	120	127	139	148	125	133	146	155	130	138	151	160
85	1443	MBh	48.7	49.6	52.0	55.4	47.5	48.5	50.7	54.1	46.4	47.3	49.5	52.9	45.3	46.1	48.3	51.6	43.0	43.8	45.9	49.0	39.8	40.6	42.5	45.4
		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	29	29	27	23	30	29	27	24	30	29	28	24	29	29	28	24	27	28	27	24	25	26	26	22
		kW	3.12	3.19	3.29	3.39	3.36	3.43	3.55	3.66	3.58	3.65	3.77	3.90	3.76	3.85	3.97	4.11	3.92	4.01	4.15	4.29	4.06	4.15	4.29	4.44
		Amps	14.7	15.0	15.4	15.9	15.7	16.0	16.4	17.0	16.8	17.2	17.7	18.2	17.8	18.2	18.7	19.3	18.8	19.2	19.8	20.5	19.8	20.2	20.8	21.5
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	406	424	402	433	457	477	444	478	505	527
		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
	1286	MBh	47.2	48.2	50.4	53.8	46.2	47.0	49.3	52.6	45.1	45.9	48.1	51.3	44.0	44.8	46.9	50.1	41.8	42.6	44.6	47.6	38.7	39.4	41.3	44.1
		S/T	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
		ΔT	30	30	28	24	31	30	29	25	31	30	29	25	31	30	29	25	30	30	28	25	28	28	27	23
		kW	3.10	3.16	3.26	3.37	3.33	3.41	3.52	3.63	3.55	3.62	3.74	3.87	3.73	3.82	3.94	4.07	3.89	3.98	4.11	4.25	4.03	4.12	4.26	4.40
		Amps	14.6	14.9	15.3	15.7	15.6	15.9	16.3	16.8	16.7	17.0	17.5	18.1	17.7	18.1	18.6	19.2	18.7	19.1	19.6	20.3	19.6	20.1	20.7	21.4
		HI PR	244	262	277	289	273	294	311	324	311	334	353	368	354	381	402	420	398	429	453	472	440	473	500	521
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	125	132	145	154	131	139	152	161	135	144	157	167
	1128	MBh	43.6	44.5	46.6	49.7	42.6	43.4	45.5	48.5	41.6	42.4	44.4	47.4	40.6	41.4	43.3	46.2	38.5	39.3	41.1	43.9	35.7	36.4	38.1	40.7
		S/T	0.87	0.84	0.75	0.61	0.90	0.87	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	0.99	0.96	0.87	0.70
		ΔT	31	30	29	25	31	31	29	25	31	31	29	25	31	31	29	25	31	30	29	25	29	28	27	23
		kW	3.02	3.09	3.18	3.28	3.25	3.32	3.43	3.54	3.46	3.53	3.65	3.77	3.64	3.72	3.84	3.97	3.79	3.88	4.01	4.14	3.93	4.01	4.15	4.29
		Amps	14.2	14.5	14.9	15.4	15.2	15.5	15.9	16.4	16.3	16.6	17.1	17.7	17.3	17.6	18.1	18.7	18.2	18.6	19.1	19.8	19.2	19.6	20.2	20.8
		HI PR	236	254	268	280	265	285	301	314	301	324	343	357	343	369	390	407	386	416	439	458	427	459	485	506
		LO PR	105	111	122	130	111	118	129	137	115	122	134	142	121	129	140	149	127	135	147	157	131	139	152	162

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			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	2221	MBh	58.1	60.2	66.0	-	56.8	58.8	64.5	-	55.4	57.4	62.9	-	54.1	56.0	61.4	-	51.4	53.2	58.3	-	47.6	49.3	54.0	-
		S/T	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.52	-
		Δ T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	13	-	19	16	12	-	18	15	12	-
		kW	3.87	3.95	4.07	-	4.15	4.24	4.36	-	4.40	4.49	4.63	-	4.62	4.71	4.86	-	4.80	4.90	5.06	-	4.96	5.07	5.23	-
		Amps	18.0	18.3	18.8	-	19.1	19.5	20.0	-	20.5	20.9	21.4	-	21.6	22.0	22.6	-	22.7	23.2	23.8	-	23.9	24.4	25.0	-
		HI PR	194	209	221	-	218	235	248	-	248	267	282	-	283	304	321	-	318	342	361	-	351	378	399	-
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-
	1980	MBh	56.4	58.5	64.1	-	55.1	57.1	62.6	-	53.8	55.8	61.1	-	52.5	54.4	59.6	-	49.9	51.7	56.6	-	46.2	47.9	52.4	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Δ T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	3.84	3.92	4.04	-	4.12	4.20	4.33	-	4.36	4.46	4.59	-	4.58	4.68	4.82	-	4.77	4.87	5.02	-	4.92	5.03	5.19	-
		Amps	17.9	18.2	18.7	-	19.0	19.4	19.9	-	20.3	20.7	21.3	-	21.4	21.9	22.5	-	22.6	23.0	23.7	-	23.7	24.2	24.8	-
		HI PR	193	207	219	-	216	232	245	-	246	264	279	-	280	301	318	-	315	339	358	-	348	374	395	-
		LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-
	1752	MBh	53.6	55.6	60.9	-	52.4	54.3	59.5	-	51.1	53.0	58.0	-	49.9	51.7	56.6	-	47.4	49.1	53.8	-	43.9	45.5	49.8	-
		S/T	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Δ T	20	17	13	-	20	17	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	3.79	3.86	3.97	-	4.06	4.14	4.26	-	4.30	4.39	4.52	-	4.51	4.60	4.75	-	4.69	4.79	4.94	-	4.84	4.95	5.10	-
		Amps	17.6	17.9	18.4	-	18.7	19.1	19.6	-	20.0	20.4	20.9	-	21.1	21.5	22.1	-	22.2	22.7	23.3	-	23.3	23.8	24.5	-
		HI PR	189	203	214	-	212	228	241	-	241	259	274	-	274	295	312	-	308	332	351	-	341	367	387	-
		LO PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-
75	2221	MBh	59.1	60.8	65.9	70.7	57.7	59.4	64.3	69.0	56.3	58.0	62.8	67.4	55.0	**56.6**	61.3	65.8	52.2	53.8	58.2	62.5	48.4	49.8	53.9	57.9
		S/T	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.94	0.84	0.63	0.41	0.97	**0.87**	0.66	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44
		Δ T	22	20	16	11	22	20	16	11	22	20	17	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		kW	3.90	3.98	4.10	4.22	4.18	4.27	4.40	4.54	4.43	4.53	4.67	4.81	4.65	**4.75**	4.90	5.06	4.84	4.95	5.10	5.27	5.00	5.11	5.27	5.45
		Amps	18.1	18.5	18.9	19.5	19.3	19.7	20.2	20.8	20.6	21.0	21.6	22.3	21.8	**22.2**	22.8	23.5	22.9	23.4	24.0	24.8	24.0	24.5	25.2	26.1
		HI PR	196	211	223	233	220	237	250	261	251	270	285	297	285	**307**	324	338	321	346	365	381	355	382	403	421
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	**139**	151	161	137	145	159	169	141	150	164	175
	1980	MBh	57.4	59.1	63.9	68.6	56.0	57.7	62.5	67.0	54.7	56.3	61.0	65.4	53.4	**55.0**	59.5	63.8	50.7	52.2	56.5	60.6	47.0	48.4	52.3	56.2
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.61	0.39	0.92	**0.83**	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.86	0.65	0.42
		Δ T	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		kW	3.87	3.95	4.07	4.19	4.15	4.24	4.37	4.50	4.40	4.49	4.63	4.78	4.62	**4.72**	4.86	5.02	4.80	4.91	5.06	5.22	4.96	5.07	5.23	5.40
		Amps	18.0	18.3	18.8	19.4	19.1	19.5	20.0	20.6	20.5	20.9	21.4	22.1	21.6	**22.0**	22.6	23.4	22.7	23.2	23.9	24.6	23.9	24.4	25.0	25.9
		HI PR	194	209	221	230	218	235	248	259	248	267	282	294	283	**304**	321	335	318	342	361	377	351	378	399	416
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	163	173
	1752	MBh	54.5	56.1	60.7	65.2	53.2	54.8	59.3	63.7	52.0	53.5	57.9	62.2	50.7	**52.2**	56.5	60.6	48.2	49.6	53.7	57.6	44.6	45.9	49.7	53.4
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Δ T	23	21	17	12	23	22	18	12	23	22	18	12	24	**22**	18	12	23	21	18	12	22	20	16	11
		kW	3.81	3.89	4.00	4.13	4.09	4.17	4.30	4.43	4.33	4.42	4.56	4.70	4.55	**4.64**	4.79	4.94	4.73	4.83	4.98	5.14	4.88	4.99	5.15	5.31
		Amps	17.7	18.1	18.5	19.1	18.9	19.2	19.7	20.3	20.2	20.6	21.1	21.8	21.3	**21.7**	22.3	23.0	22.4	22.8	23.5	24.2	23.5	24.0	24.7	25.4
		HI PR	191	205	217	226	214	230	243	253	243	262	276	288	277	**298**	315	328	312	335	354	369	344	371	391	408
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	**135**	147	157	133	141	154	164	137	146	159	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 service valves.

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																							
			65				75				85				95				105				115			
			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	2221	MBh	60.1	61.5	65.7	70.2	58.7	60.0	64.1	68.6	57.4	58.6	62.6	66.9	56.0	57.2	61.1	65.3	53.2	54.3	58.0	62.0	49.2	50.3	53.8	57.5
		S/T	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.96	0.79	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.63
		Δ T	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	3.93	4.01	4.13	4.25	4.22	4.30	4.43	4.57	4.47	4.56	4.70	4.85	4.69	4.79	4.94	5.10	4.88	4.99	5.14	5.31	5.04	5.15	5.32	5.49
		Amps	18.3	18.6	19.1	19.6	19.4	19.8	20.3	20.9	20.8	21.2	21.8	22.4	21.9	22.4	23.0	23.7	23.1	23.6	24.2	25.0	24.2	24.7	25.4	26.3
		HI PR	198	214	225	235	223	240	253	264	253	272	288	300	288	310	328	342	324	349	369	385	358	386	407	425
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1980	MBh	58.4	59.7	63.8	68.2	57.0	58.3	62.3	66.6	55.7	56.9	60.8	65.0	54.3	55.5	**59.3**	63.4	51.6	52.7	56.3	60.2	47.8	48.8	52.2	55.8
		S/T	0.92	0.87	0.70	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.99	0.80	0.60	1.00	0.99	0.81	0.60
		Δ T	25	24	21	17	25	24	21	17	25	24	21	17	25	24	**21**	17	24	24	21	17	22	23	20	16
		kW	3.90	3.98	4.10	4.22	4.18	4.27	4.40	4.54	4.43	4.53	4.67	4.81	4.65	4.75	**4.90**	5.06	4.84	4.95	5.10	5.27	5.00	5.11	5.27	5.45
		Amps	18.1	18.5	18.9	19.5	19.3	19.7	20.2	20.8	20.6	21.0	21.6	22.3	21.8	22.2	**22.8**	23.5	22.9	23.4	24.0	24.8	24.1	24.5	25.2	26.1
		HI PR	196	211	223	233	220	237	250	261	251	270	285	297	286	307	**324**	338	321	346	365	381	355	382	403	421
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	**152**	161	137	145	159	169	141	150	164	175
	1752	MBh	55.5	56.7	60.6	64.7	54.2	55.4	59.2	63.2	52.9	54.1	57.7	61.7	51.6	52.7	56.3	60.2	49.0	50.1	53.5	57.2	45.4	46.4	49.6	53.0
		S/T	0.88	0.83	0.68	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.94	0.77	0.57	1.02	0.95	0.78	0.58
		Δ T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	24	23	20	16
		kW	3.84	3.92	4.04	4.16	4.12	4.20	4.33	4.47	4.36	4.46	4.59	4.74	4.58	4.68	4.82	4.98	4.77	4.87	5.02	5.18	4.92	5.03	5.19	5.36
		Amps	17.9	18.2	18.7	19.2	19.0	19.4	19.9	20.5	20.3	20.7	21.3	21.9	21.4	21.9	22.5	23.2	22.6	23.0	23.7	24.4	23.7	24.2	24.8	25.6
		HI PR	193	207	219	228	216	232	245	256	246	264	279	291	280	301	318	332	315	339	358	373	348	374	395	412
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
85	2221	MBh	61.2	62.4	65.3	69.7	59.8	60.9	63.8	68.1	58.4	59.5	62.3	66.5	56.9	58.0	60.8	64.8	54.1	55.1	57.7	61.6	50.1	51.1	53.5	57.1
		S/T	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.82
		Δ T	25	25	24	21	25	25	24	21	24	25	24	21	24	24	24	21	22	23	24	21	21	21	22	19
		kW	3.96	4.04	4.16	4.29	4.25	4.34	4.47	4.61	4.50	4.60	4.74	4.89	4.73	4.83	4.98	5.14	4.92	5.03	5.19	5.35	5.09	5.19	5.36	5.54
		Amps	18.4	18.7	19.2	19.8	19.6	19.9	20.5	21.1	20.9	21.3	21.9	22.6	22.1	22.5	23.2	23.9	23.3	23.7	24.4	25.2	24.4	24.9	25.6	26.5
		HI PR	200	216	228	237	225	242	256	266	256	275	291	303	291	313	331	345	328	353	372	388	362	390	411	429
		LO PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	172	144	153	168	178
	1980	MBh	59.4	60.6	63.4	67.7	58.0	59.2	62.0	66.1	56.7	57.7	60.5	64.5	55.3	56.3	59.0	63.0	52.5	53.5	56.1	59.8	48.6	49.6	51.9	55.4
		S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
		Δ T	27	26	25	21	27	27	25	22	26	27	25	22	26	26	25	22	24	25	25	22	23	23	23	20
		kW	3.93	4.01	4.13	4.25	4.22	4.30	4.43	4.57	4.47	4.56	4.70	4.85	4.69	4.79	4.94	5.10	4.88	4.99	5.14	5.31	5.04	5.15	5.32	5.49
		Amps	18.3	18.6	19.1	19.6	19.4	19.8	20.3	20.9	20.8	21.2	21.8	22.4	21.9	22.4	23.0	23.7	23.1	23.6	24.2	25.0	24.2	24.7	25.4	26.3
		HI PR	198	214	225	235	223	240	253	264	253	272	288	300	288	310	328	342	324	349	369	385	358	386	407	425
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1752	MBh	56.4	57.5	60.3	64.3	55.1	56.2	58.9	62.8	53.8	54.9	57.5	61.3	52.5	53.5	56.1	59.8	49.9	50.8	53.3	56.8	46.2	47.1	49.3	52.6
		S/T	0.93	0.89	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Δ T	27	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	26	27	26	22	24	25	24	21
		kW	3.87	3.95	4.07	4.19	4.15	4.24	4.36	4.50	4.40	4.49	4.63	4.77	4.62	4.71	4.86	5.02	4.80	4.90	5.06	5.22	4.96	5.07	5.23	5.40
		Amps	18.0	18.3	18.8	19.4	19.1	19.5	20.0	20.6	20.5	20.9	21.4	22.1	21.6	22.0	22.6	23.3	22.7	23.2	23.8	24.6	23.9	24.4	25.0	25.9
		HI PR	194	209	221	230	218	235	248	259	248	267	282	294	283	304	321	335	318	342	361	377	351	378	399	416
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

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.

APG1624060M41 - RISE RANGE: 35° - 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	505	675	540	63	720	63
A	565	750	600	56	800	56
A+	620	825	660	51	880	51
B-	540	720	610	55	810	56
B	600	800	675	50	900	50
B+	660	880	745	45	990	45
C-	560	745	660	51	880	51
C	620	825	735	46	980	46
C+	685	910	810	42	1075	42
D-	575	765	720	47	960	47
D	640	850	800	42	1065	42
D+	700	935	880	38	1170	38

APG1630080M41 - RISE RANGE: 35° - 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	545	810	720	63	960	63
A	605	900	800	56	1065	56
A+	665	990	880	51	1170	51
B-	605	900	810	56	1075	56
B	670	1000	900	50	1195	50
B+	735	1100	990	45	1315	46
C-	650	970	900	50	1195	50
C	720	1075	1000	45	1330	45
C+	795	1185	1100	41	1465	41
D-	665	990	990	45	1315	46
D	735	1100	1100	41	1465	41
D+	810	1210	1210	37	1610	37

APG1636080M41 - RISE RANGE: 35° - 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	680	1015	720	63	960	63
A	755	1125	800	56	1065	56
A+	830	1240	880	51	1170	51
B-	725	1080	810	56	1075	56
B	805	1200	900	50	1195	50
B+	885	1320	990	45	1315	46
C-	755	1125	900	50	1195	50
C	840	1250	1000	45	1330	45
C+	920	1375	1100	41	1465	41
D-	800	1195	990	45	1315	46
D	890	1325	1100	41	1465	41
D+	980	1460	1210	37	1610	37

APG1642100M41 - RISE RANGE: 35° - 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	970	1170	915	61	1215	62
A	1080	1300	1015	55	1350	56
A+	1185	1430	1115	50	1485	51
B-	1045	1260	1015	55	1350	56
B	1160	1400	1125	50	1495	50
B+	1280	1540	1240	45	1650	45
C-	1085	1305	1125	50	1495	50
C	1205	1450	1250	45	1665	45
C+	1325	1595	1375	41	1830	41
D-	1120	1350	1240	45	1650	45
D	1245	1500	1375	41	1830	41
D+	1370	1650	1515	37	2015	37

APG1648100M41 - RISE RANGE: 35° - 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	1150	1305	900	63	1195	63
A	1275	1450	1000	56	1330	56
A+	1405	1595	1100	51	1465	51
B-	1190	1350	1015	55	1350	56
B	1320	1500	1125	50	1495	50
B+	1450	1650	1240	45	1650	45
C-	1230	1395	1125	50	1495	50
C	1365	1550	1250	45	1665	45
C+	1500	1705	1375	41	1830	41
D-	1265	1440	1240	45	1650	45
D	1410	1600	1375	41	1830	41
D+	1550	1760	1515	37	2015	37

APG1660140M41 - RISE RANGE: 35°- 65°**

TAP	LOW COOL	HIGH COOL	LOW HEAT		HIGH HEAT	
			CFM	RISE	CFM	RISE
A-	1250	1800	1250	59	1800	58
A	1390	2000	1390	53	2000	53
A+	1530	2200	1530	48	2200	48
B-	1155	1665	1155	64	1665	63
B	1285	1850	1285	57	1850	57
B+	1415	2035	1415	52	2035	52
C-	1000	1440	1000	X	1440	X
C	1110	1600	1110	X	1600	X
C+	1225	1760	1220	60	1760	60
D-	845	1215	845	X	1215	X
D	940	1350	940	X	1350	X
D+	1030	1485	1035	X	1485	X

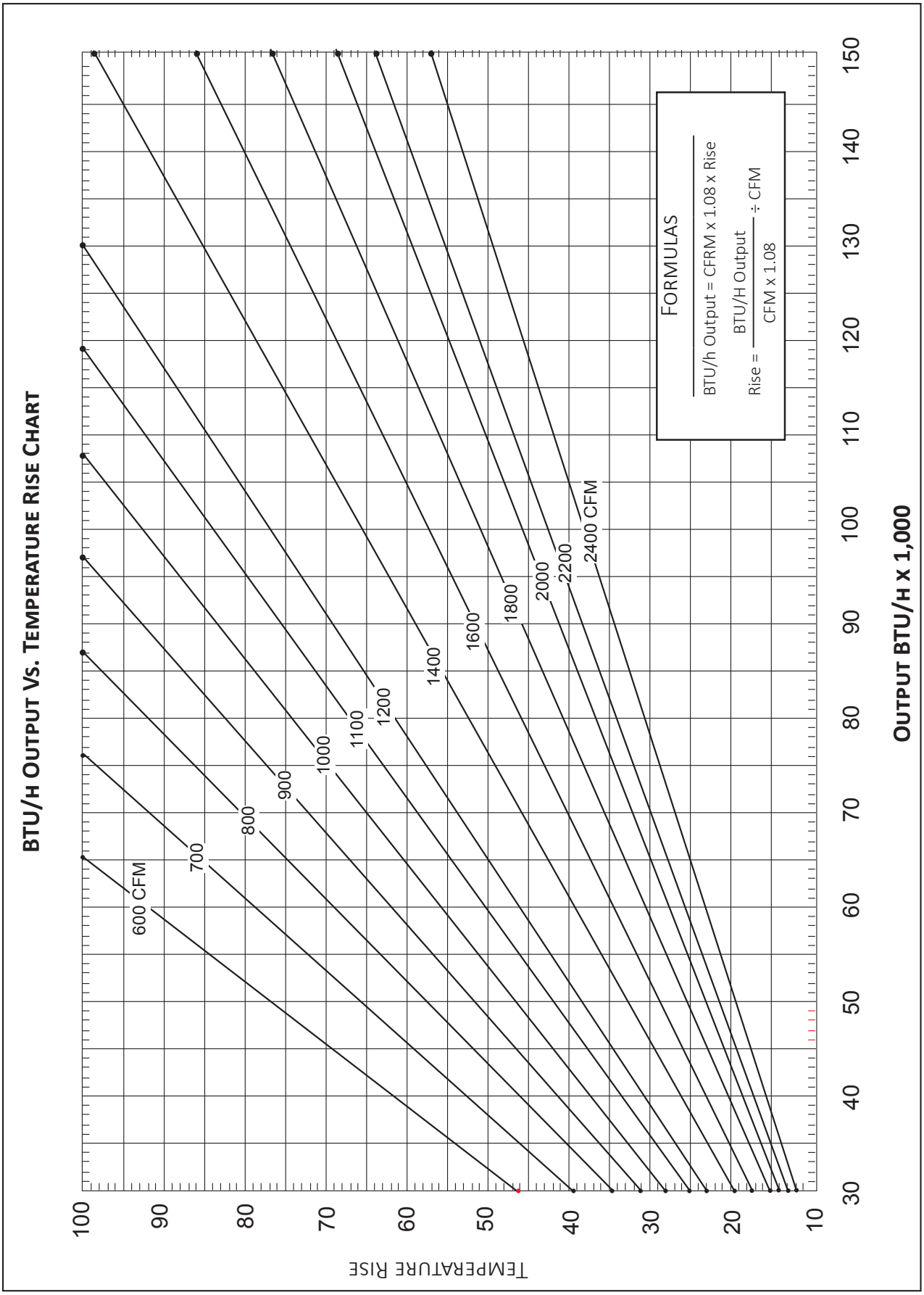
X = Outside of Temperature Rise Range- Not Recommended.

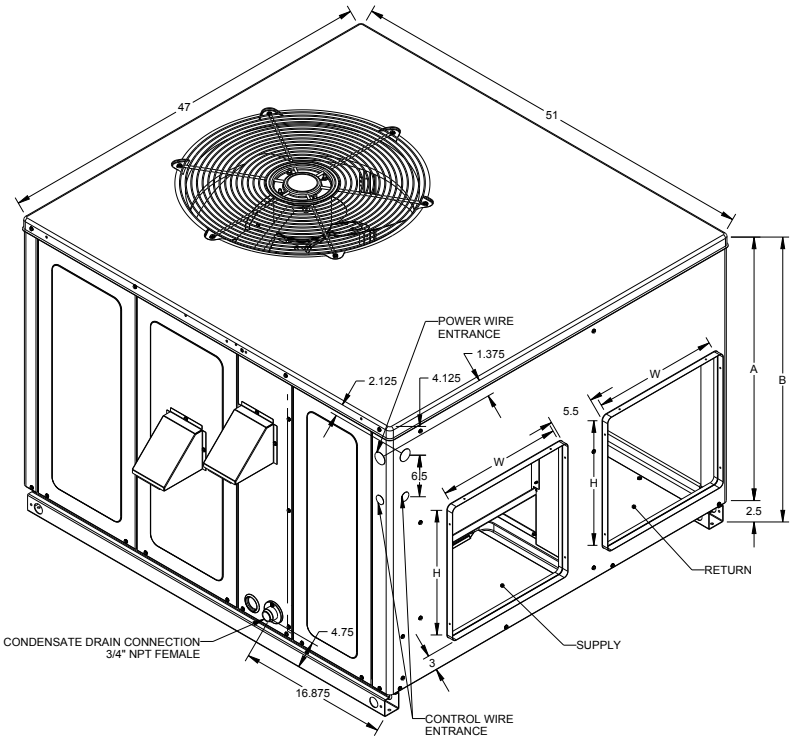
5 Ton Models: APG1660*M41B***

Down Flow						
Speed Tap	Torque %	Torque oz-ft	External Static Pressure (ESP), in w.c.	SCFM	RPM	BHP
T1	25	20	0.2	983	570	0.14
			0.4	833	659	0.16
			0.6	703	739	0.18
			0.8	574	808	0.19
			1.0	446	871	0.21
T2	39	31.2	0.2	1299	669	0.25
			0.4	1193	730	0.27
			0.6	1058	815	0.30
			0.8	950	875	0.32
			1.0	842	936	0.35
T3	68	54.4	0.2	1770	825	0.53
			0.4	1684	875	0.57
			0.6	1595	926	0.60
			0.8	1513	975	0.63
			1.0	1401	1039	0.67
T4	76	60.8	0.2	1862	859	0.62
			0.4	1787	909	0.66
			0.6	1702	955	0.69
			0.8	1625	1005	0.73
			1.0	1536	1056	0.76
T5	100	80	0.2	2132	954	0.91
			0.4	2056	993	0.95
			0.6	1080	1038	0.99
			0.8	1899	1079	1.03
			1.0	1828	1113	1.06

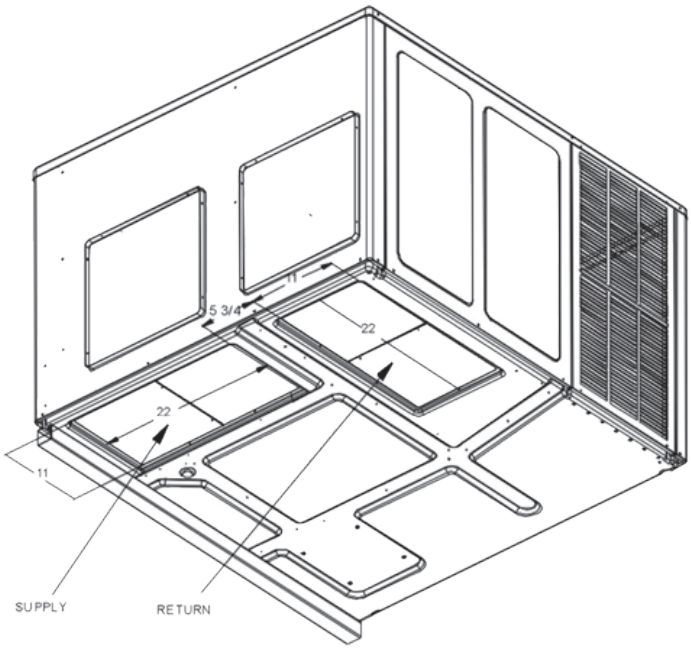
Horizontal Flow						
Speed Tap	Torque %	Torque oz-ft	External Static Pressure (ESP), in w.c.	SCFM	RPM	BHP
T1	25	20	0.2	1003	606	0.14
			0.4	850	701	0.17
			0.6	718	785	0.19
			0.8	586	858	0.20
			1.0	455	926	0.22
T2	39	31.2	0.2	1325	710	0.26
			0.4	1217	775	0.29
			0.6	1080	866	0.32
			0.8	969	930	0.35
			1.0	859	995	0.37
T3	68	54.4	0.2	1806	876	0.57
			0.4	1718	930	0.60
			0.6	1627	984	0.64
			0.8	1544	1036	0.67
			1.0	1429	1104	0.71
T4	76	60.8	0.2	1901	912	0.66
			0.4	1824	966	0.70
			0.6	1737	1014	0.73
			0.8	1658	1067	0.77
			1.0	1567	1122	0.81
T5	100	80	0.2	2175	1014	0.97
			0.4	2098	1055	1.00
			0.6	1102	1102	1.05
			0.8	1938	1146	1.09
			1.0	1865	1183	1.13

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

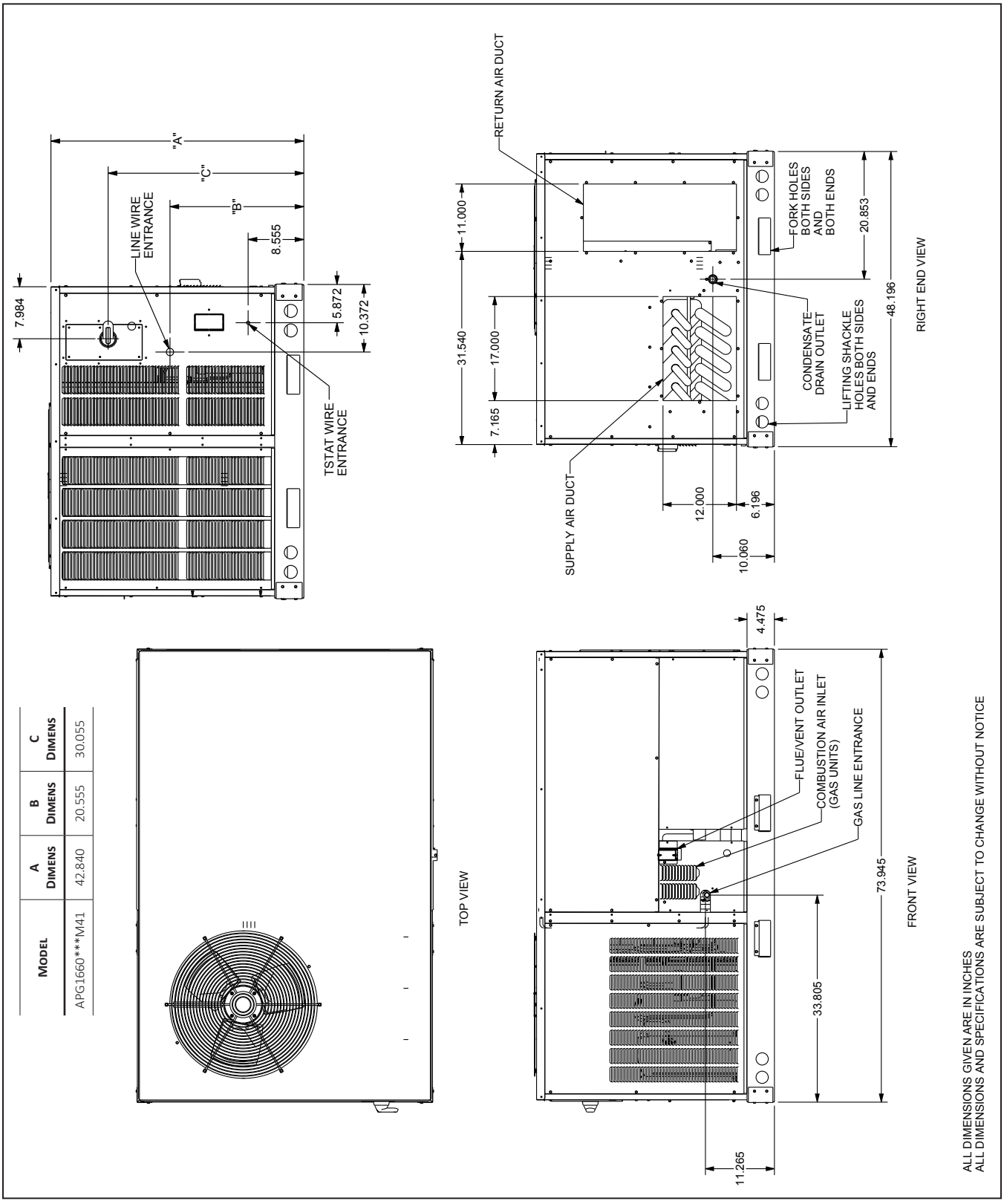

BTU/H Output Vs. Temperature Rise Chart
Temperature Rise
100
90
80
70
60
50
40
30
20
10
600 CFM
700
800
900
1000
1100
1200
1400
1600
1800
2000
2200
2400 CFM
Formulas
BTU/h Output = CFRM x 1.08 x Rise
Rise = BTU/H Output / CFM x 1.08 ÷ CFM
30
40
50
60
70
80
90
100
110
120
130
140
150
Output BTU/H x 1,000



Model	Unit Dimensions (Inches)				Chassis Size
			Height		
	W	D	A	B	
APG1624***M41**	47	51	32	34 1/2	Medium
APG1630***M41**	47	51	32	34 1/2	Medium
APG1636***M41**	47	51	40	42 1/2	Large
APG1642***M41**	47	51	40	42 1/2	Large
APG1648***M41**	47	51	40	42 1/2	Large
APG1660***M41B*	73 3/8	47 5/8	39	43 1/2	X-Large

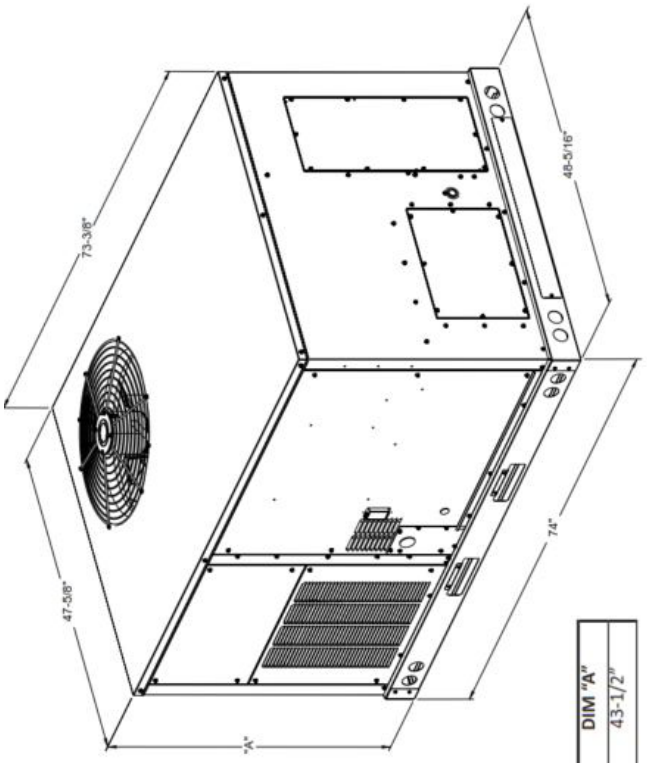


Model	Duct Openings			
	Supply		Return	
	W	H	W	H
APG1624***M41**	16	16	16	16
APG1630***M41**	16	16	16	16
APG1636***M41**	16	18	16	18
APG1642***M41**	16	18	16	18
APG1648***M41**	16	18	16	18
APG1660***M41B*	17	12	11	25

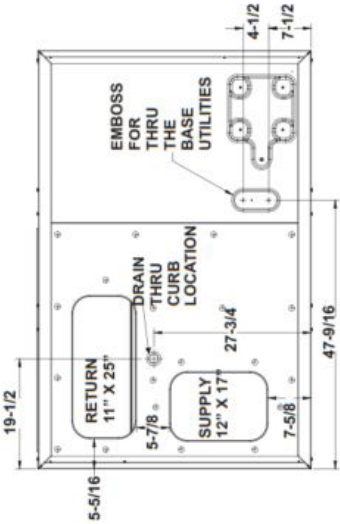


MODEL	A DIMENS	B DIMENS	C DIMENS
APG1660***M41	42.840	20.555	30.055

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

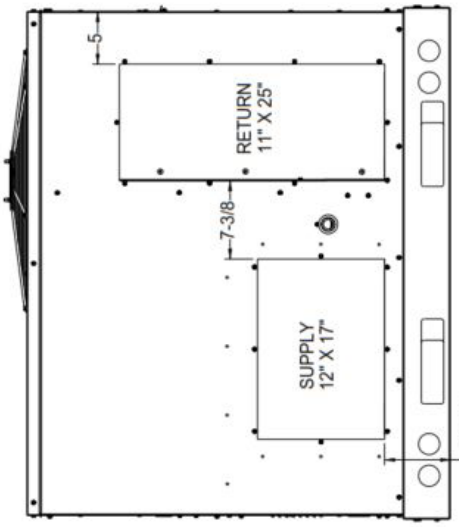


Model size	DIM "A"
5 ton	43-1/2"



BOTTOM VIEW OF UNIT

VERTICAL DISCHARGE

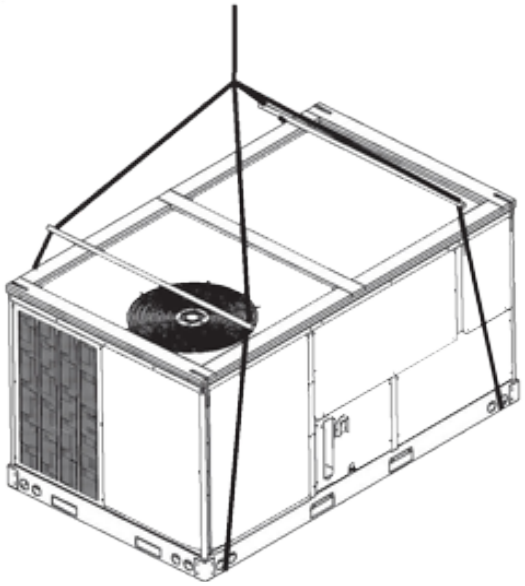


HORIZONTAL DISCHARGE

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 below.

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.

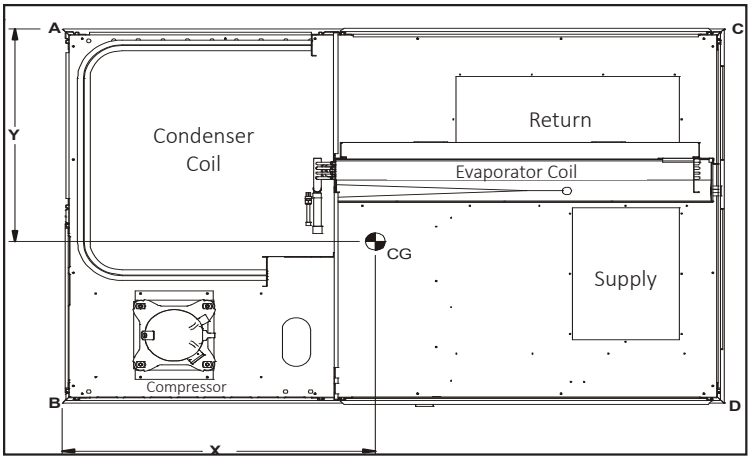
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory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

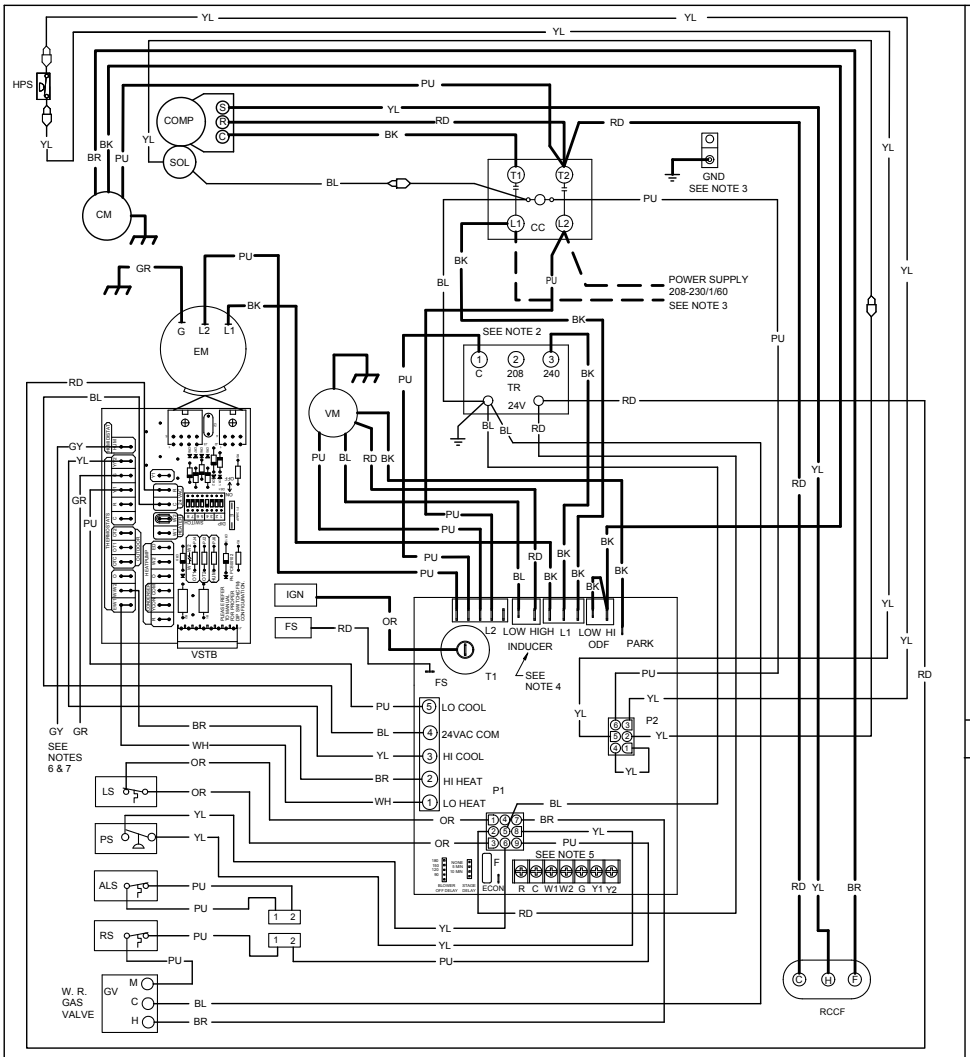
See the manual shipped with the roof curb for assembly and installation instructions.

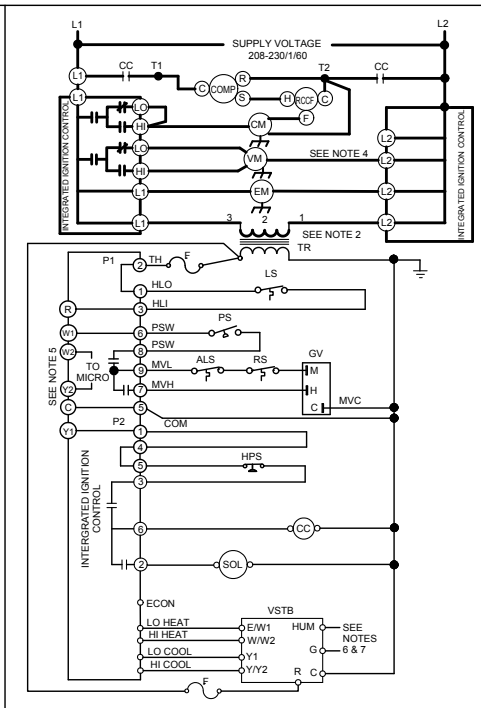
Corner & Center-of-Gravity Locations



Model	X (in)	Y (in)	Shipping Weight (lbs)	Operating Weight (lbs)
APG1660***M41	46.4	28.1	655	629

Model	Corner Weights (lbs.)			
	A	B	C	D
APG1660***M41	186	204	65	174





DIAGNOSTIC LED	FLASHES	STATUS	CHECK
RED	ON	NORMAL OPERATION	-
	OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE(S) REPLACE CONTROL
	1 FLASH	IGNITION FAILURE	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR CHECK AUXILIARY LIMIT SW. CHECK ROLLOUT LIMIT SW.
	2 FLASHES	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH CHECK TUBING CHECK VENT MOTOR
	3 FLASHES	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH CHECK WIRING FOR SHORTS
	4 FLASHES	OPEN LIMIT SWITCH	CHECK MAIN LIMIT SWITCH
	5 FLASHES	FALSE FLAME DETECTED	CHECK GAS VALVE CHECK FOR SHORTS IN FLAME SENSOR WIRING
	6 FLASHES	COMPR. SHORT CYCLE DELAY	3 MIN COMP. SHORT CYCLE DELAY
	7 FLASHES	LIMIT OPEN 5 TIMES IN SAME CALL FOR HEAT	CHECK MAIN LIMIT SWITCH
	8 FLASHES	IDT/ODT OPEN	CHECK JUMPER BETWEEN 1 AND 4 ON 6-CIRCUIT CONNECTOR
	9 FLASHES	PSW/LOC OPEN	CHECK REFRIGERANT SWITCHES FOR LOSS OF CHARGE OR HIGH HEAD PRESSURE
AMBER	OFF	NO FLAME PRESENT	-
	ON	NORMAL FLAME PRESENT	-
	1 FLASH	LOW FLAME SIGNAL	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR
	2 FLASHES	FALSE FLAME DETECTED	CHECK GAS VALVE CHECK FOR SHORTS IN FLAME SENSOR WIRING

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

COMPONENT LEGEND

ALS	AUXILLARY LIMIT SWITCH	TH	TRANSFORMER HIGH
CC	CONTACTOR	HLO	HI LIMIT OUTPUT
CM	CONDENSER MOTOR	HLI	HI LIMIT INPUT
COMP	COMPRESSOR	PSW	PRESSURE SWITCH
EM	EVAPORATOR MOTOR	MVL	MAIN GAS VALVE LOW
F	FUSE	MVH	MAIN GAS VALVE HIGH
FS	FLAME SENSOR	MVC	MAIN GAS VALVE COMMON
GND	EQUIPMENT GROUND		
GV	GAS VALVE		
HPS	HIGH PRESSURE SWITCH		
IGN	IGNITOR		
IIC	INTEGRATED IGNITION CONTROL		
LS	LIMIT SWITCH		
ODF	OUTDOOR FAN		
PS	PRESSURE SWITCH		
RCCF	RUN CAPACITOR FOR COMPRESSOR/FAN		
RS	ROLLOUT SWITCH		
SOL	SOLENOID (2ND STAGE COOL)		
TR	TRANSFORMER		
VM	VENT MOTOR		
VSTB	VARIABLE SPEED TERMINAL BOARD		

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

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

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

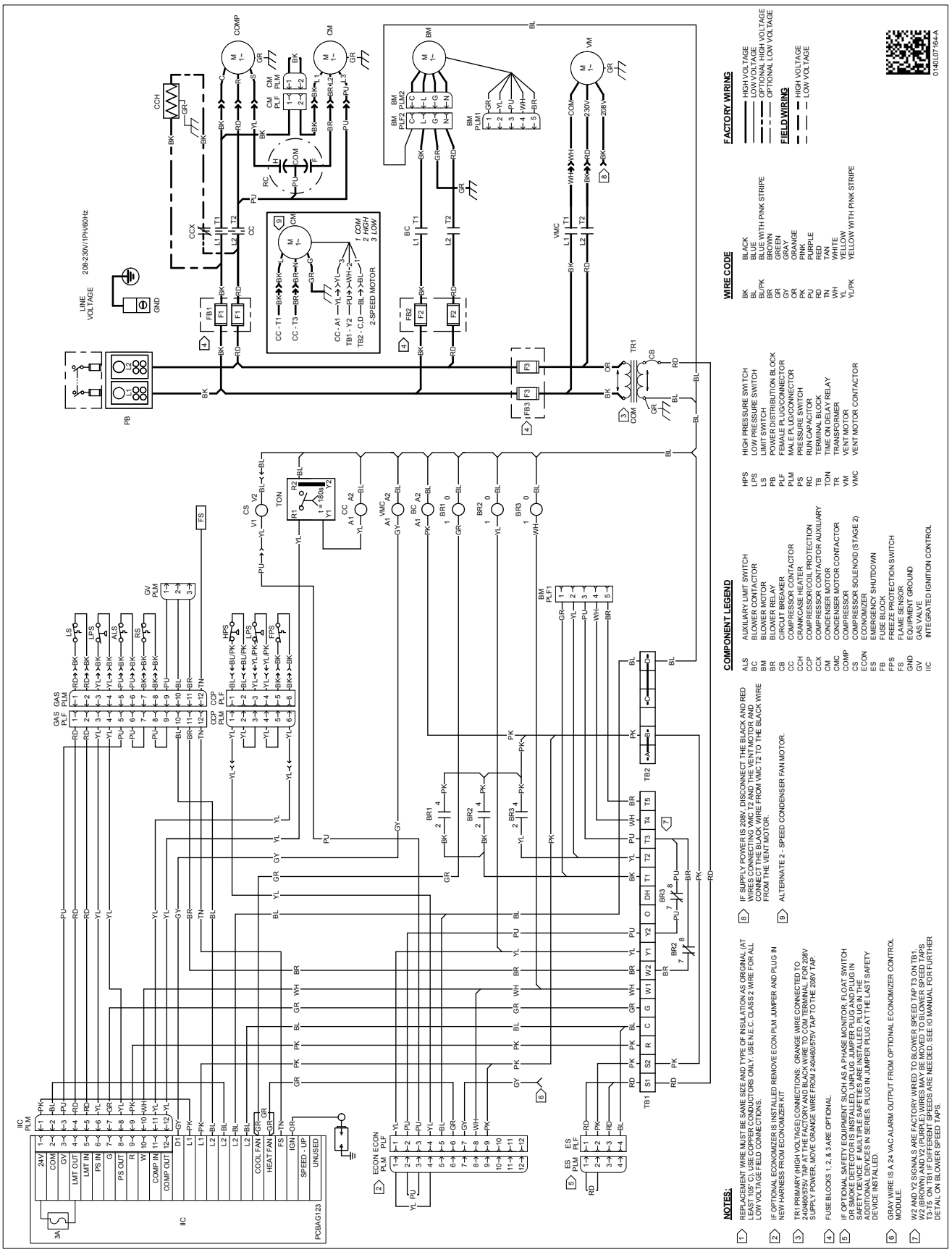
NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL.(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
4. FOR 208V OPERATION, REMOVE BLUE LEAD FROM INDUCER LOW TERMINAL. MOVE BLACK LEAD FROM PARK TERMINAL ONTO INDUCER LOW TERMINAL. PLACE BLUE LEAD ON PARK TERMINAL.
5. USE NEC CLASS 2 WIRE FOR THERMOSTAT FIELD WIRING.
6. FOR ALTERNATE CONTINUOUS FAN SPEED, CONNECT FAN TERMINAL FROM ROOM THERMOSTAT TO GREEN WIRE FROM VSTB; SEE INSTALLATION INSTRUCTIONS FOR DETAILS.
7. FOR DEHUMIDIFICATION, CONNECT A 24VAC DEHUMIDISTAT THAT OPENS ON HUMIDITY RISE TO GRAY WIRE FROM THE VSTB AND TO R ON IIC. SEE INSTALLATION INSTRUCTIONS FOR DETAILS. CUT "HUM" JUMPER ON VSTB.

0140G04534-B

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 APG1624-48***M41** UNITS

ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDIUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	PGEDJ101/102	PGEDJ103
Downflow Internal Filter Rack (with economizer)	DDNIFRPGMM	N/A (built into economizer)
Downflow Internal Filter Rack (no economizer)	DDNIFRPGA	DDNIFRPGA
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness (2-4 Tons)	0259L00412	0259L00412
External Horizontal Filter Rack	DPHFRA	DPHFRA
Flue Extension Kit	FLHDKT-1	FLHDKT-1
High-Altitude Kit	HA-03	HA-03
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Internal Horizontal Filter Rack	DHZIFRPGCHA	DHZIFRPGCHA
LP Conversion Kit	LPM-08	LPM-08
Outdoor Thermostat with Housing	OTDFPKG-01	OTDFPKG-01
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

FOR THE APG1660***M41AA UNITS

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
FSK01A	Freeze Stat Kit
GHRC-1	Hurricane Restraint Clips
HA-02	High Altitude Kit
GHRC-1	Hurricane Restraint Clips
DBRD3672	Barometric Relief Damper
LAKT01	Low-Ambient Kit
LPM-06	LP Conversion Kit
220-GX-01	Flue Extension Kit

FOR THE APG1660***M41BA UNITS

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
0270L01250	Hurricane Restraint Clips (for 0221L00014 Roof Curb)
0270L01261	Hurricane Restraint Clips
HAKT036150	High Altitude Kit
LPHE-036072	LP Conversion Kit
HEFLUE048060	Flue Extension Kit