

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**



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Standard Features

- High-efficiency two-stage scroll compressor with internal relief valve
- Two-stage heating and cooling
- Multi-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
- Liquid-line filter drier
- Convertible airflow: horizontal or downflow
- Totally enclosed, permanently lubricated condenser fan motor
- Electric heat kit available as a field-installed option
- OTHPPKG (Outdoor Thermostat Kit) when used on 2.0 and 2.5 ton allow the unit to achieve 8.2 HSPF

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
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 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.

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

	GPH16 24M41A*	GPH1624M41 A*+OTHPPKG	GPH16 30M41A*	GPH1630M41 A*+OTHPPKG	GPH16 36M41A*	GPH16 42M41A*	GPH16 48M41A*	GPH16 60M41A*	GPH16 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	44,000	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	8143312	10061984	8143313	10061985	8143314	8143315	8143316	9134480	205726737
HEATING CAPACITY									
BTU/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	3.8	3.7
BTU/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	8.2	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	2,000	1,800
FLA	4.3	4.3	4.3	4.3	4.3	5.8	5.8	6.9	6.9
No. of Speeds	5	5	5	5	5	5	5	5	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	1.3/ 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/ 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	15.6/83	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	3.8	5.8	5.8	6.9	7
Total Unit Amps	17.5	17.5	18.9	18.9	20.7	25.1	28.4	35.8	35.9
Min. Circuit Ampacity ¹	20.4	20.4	22.2	22.2	24.6	29.6	33.7	42.5	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

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																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		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	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	-	19.0	19.7	21.5	-	18.7	19.4	21.2	-															
		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	-	0.87	0.73	0.50	-	0.84	0.70	0.48	-															
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	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	-	1.91	1.96	2.02	-	1.88	1.93	1.99	-															
		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	-	8.8	9.0	9.3	-	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	-	391	420	444	-	391	420	444	-																
	Lo PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-	139	148	161	-	139	148	161	-																
70	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	-	18.7	19.4	21.2	-	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	-	0.84	0.70	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	-	17	15	11	-	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	-	1.90	1.94	2.01	-	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	-	8.8	9.0	9.2	-	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	-	388	417	441	-	388	417	441	-																
	Lo PR	110	117	128	-	116	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-	138	147	160	-	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	-	17.8	18.4	20.2	-	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	-	0.80	0.67	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	-	17	15	11	-	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	-	1.87	1.91	1.97	-	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	-	8.6	8.8	9.1	-	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	-	380	409	432	-	380	409	432	-																
	Lo PR	108	115	125	-	114	121	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	135	144	157	-	135	144	157	-																

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
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.
Shaded area reflects ACCA (TVA) conditions.

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	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
	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
750	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
	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	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
	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
750	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
	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

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

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.

Shaded area reflects AHRI conditions.

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																			
				65°F						75°F						85°F						95°F						105°F						115°F					
				ENTERING INDOOR WET BULB TEMPERATURE																																			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
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	-	22.9	23.8	26.0	-	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	-	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	-	15	13	10	-	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	-	2.47	2.53	2.61	-	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	-	11.3	11.5	11.9	-	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	-	411	442	467	-	411	442	467	-						
1050	Lo PR	109	115	126	-	115	122	133	-	119	127	138	-	125	133	145	-	131	140	152	-	136	144	158	-	136	144	158	-	136	144	158	-						
	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	-	22.6	23.4	25.6	-	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	-	0.83	0.69	0.48	-	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	-	16	14	11	-	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	-	2.46	2.51	2.60	-	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	-	11.2	11.4	11.8	-	11.2	11.4	11.8	-						
925	Hi PR	226	243	257	-	254	273	288	-	288	310	328	-	328	353	373	-	370	398	420	-	408	439	464	-	408	439	464	-	408	439	464	-						
	Lo PR	108	115	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	139	151	-	135	143	157	-	135	143	157	-	135	143	157	-						
	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	-	21.5	22.2	24.4	-	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	-	0.79	0.66	0.46	-	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	-	17	15	11	-	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	-	2.42	2.47	2.55	-	2.42	2.47	2.55	-						
925	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	-	11.0	11.3	11.6	-	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	-	400	431	455	-	400	431	455	-						
	Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-	132	141	153	-	132	141	153	-						

75	AIRFLOW	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	-	22.9	23.8	26.0	-	22.9	23.8	26.0	-
	MBh	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	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
	S/T	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-	15	13	10	-	15	13	10	-
	ΔT	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	-	2.47	2.53	2.61	-	2.47	2.53	2.61	-
	kW	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	-	11.3	11.5	11.9	-	11.3	11.5	11.9	-
	Amps	228	246	259	-	256	276	291	-	291	314	331	-	332	357	377	-	373	402	424	-	412	444	469	-	412	444	469	-	412	444	469	-
	Hi PR	109	116	126	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	136	145	158	-	136	145	158	-
	Lo PR	26.7	27.4	29.7	-	26.0	26.8	29.0	-	25.4	26.2	28.3	-	24.8	25.5	27.6	-	23.6	24.3	26.3	-	21.8	22.5	24.3	-	21.8	22.5	24.3	-	21.8	22.5	24.3	-
	MBh	0.78	0.70	0.53	-	0.81	0.73	0.55	-	0.83	0.75	0.56	-	0.86	0.77	0.58	-	0.89	0.80	0.60	-	0.90	0.81	0.61	-	0.90	0.81	0.61	-	0.90	0.81	0.61	-
	S/T	21	19	16	-	21	19	16	-	21	19	16	-	21	20	16	-	21	19	16	-	20	18	15	-	20	18	15	-	20	18	15	-
	ΔT	1.87	1.91	1.97	-	2.01	2.06	2.13	-	2.14	2.19	2.26	-	2.26	2.31	2.38	-	2.35	2.41	2.49	-	2.44	2.49	2.58	-	2.44	2.49	2.58	-	2.44	2.49	2.58	-
	kW	8.2	8.4	8.6	-	8.8	9.0	9.2	-	9.4	9.6	9.9	-	10.0	10.2	10.5	-	10.6	10.8	11.1	-	11.1	11.3	11.7	-	11.1	11.3	11.7	-	11.1	11.3	11.7	-
	Amps	224	241	254	-	251	270	285	-	286	307	324	-	325	350	370	-	366	394	416	-	404	435	459	-	404	435	459	-	404	435	459	-
	Hi PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	133	142	155	-	133	142	155	-	133	142	155	-
	Lo PR	26.7	27.4	29.7	-	26.0	26.8	29.0	-	25.4	26.2	28.3	-	24.8	25.5	27.6	-	23.6	24.3	26.3	-	21.8	22.5	24.3	-	21.8	22.5	24.3	-	21.8	22.5	24.3	-

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 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.

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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				ENTERING INDOOR WET BULB TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	207	211	215	219	223	227	231	235	239	243	247	251	255	259	263	267	271	275	279	283	287	291	295	299	303	307	311	315	319	323	327	331	335	339	343	347	351	355	359	363	367	371	375	379	383	387	391	395	399	403	407	411	415	419	423	427	431	435	439	443	447	451	455	459	463	467	471	475	479	483	487	491	495	499	503	507	511	515	519	523	527	531	535	539	543	547	551	555	559	563	567	571	575	579	583	587	591	595	599	603	607	611	615	619	623	627	631	635	639	643	647	651	655	659	663	667	671	675	679	683	687	691	695	699	703	707	711	715	719	723	727	731	735	739	743	747	751	755	759	763	767	771	775	779	783	787	791	795	799	803	807	811	815	819	823	827	831	835	839	843	847	851	855	859	863	867	871	875	879	883	887	891	895	899	903	907	911	915	919	923	927	931	935	939	943	947	951	955	959	963	967	971	975	979	983	987	991	995	999	1003	1007	1011	1015	1019	1023	1027	1031	1035	1039	1043	1047	1051	1055	1059	1063	1067	1071	1075	1079	1083	1087	1091	1095	1099	1103	1107	1111	1115	1119	1123	1127	1131	1135	1139	1143	1147	1151	1155	1159	1163	1167	1171	1175	1179	1183	1187	1191	1195	1199	1203	1207	1211	1215	1219	1223	1227	1231	1235	1239	1243	1247	1251	1255	1259	1263	1267	1271	1275	1279	1283	1287	1291	1295	1299	1303	1307	1311	1315	1319	1323	1327	1331	1335	1339	1343	1347	1351	1355	1359	1363	1367	1371	1375	1379	1383	1387	1391	1395	1399	1403	1407	1411	1415	1419	1423	1427	1431	1435	1439	1443	1447	1451	1455	1459	1463	1467	1471	1475	1479	1483	1487	1491	1495	1499	1503	1507	1511	1515	1519	1523	1527	1531	1535	1539	1543	1547	1551	1555	1559	1563	1567	1571	1575	1579	1583	1587	1591	1595	1599	1603	1607	1611	1615	1619	1623	1627	1631	1635	1639	1643	1647	1651	1655	1659	1663	1667	1671	1675	1679	1683	1687	1691	1695	1699	1703	1707	1711	1715	1719	1723	1727	1731	1735	1739	1743	1747	1751	1755	1759	1763	1767	1771	1775	1779	1783	1787	1791	1795	1799	1803	1807	1811	1815	1819	1823	1827	1831	1835	1839	1843	1847	1851	1855	1859	1863	1867	1871	1875	1879	1883	1887	1891	1895	1899	1903	1907	1911	1915	1919	1923	1927	1931	1935	1939	1943	1947	1951	1955	1959	1963	1967	1971	1975	1979	1983	1987	1991	1995	1999	2003	2007	2011	2015	2019	2023	2027	2031	2035	2039	2043	2047	2051	2055	2059	2063	2067	2071	2075	2079	2083	2087	2091	2095	2099	2103	2107	2111	2115	2119	2123	2127	2131	2135	2139	2143	2147	2151	2155	2159	2163	2167	2171	2175	2179	2183	2187	2191	2195	2199	2203	2207	2211	2215	2219	2223	2227	2231	2235	2239	2243	2247	2251	2255	2259	2263	2267	2271	2275	2279	2283	2287	2291	2295	2299	2303	2307	2311	2315	2319	2323	2327	2331	2335	2339	2343	2347	2351	2355	2359	2363	2367	2371	2375	2379	2383	2387	2391	2395	2399	2403	2407	2411	2415	2419	2423	2427	2431	2435	2439	2443	2447	2451	2455	2459	2463	2467	2471	2475	2479	2483	2487	2491	2495	2499	2503	2507	2511	2515	2519	2523	2527	2531	2535	2539	2543	2547	2551	2555	2559	2563	2567	2571	2575	2579	2583	2587	2591	2595	2599	2603	2607	2611	2615	2619	2623	2627	2631	2635	2639	2643	2647	2651	2655	2659	2663	2667	2671	2675	2679	2683	2687	2691	2695	2699	2703	2707	2711	2715	2719	2723	2727	2731	2735	2739	2743	2747	2751	2755	2759	2763	2767	2771	2775	2779	2783	2787	2791	2795	2799	2803	2807	2811	2815	2819	2823	2827	2831	2835	2839	2843	2847	2851	2855	2859	2863	2867	2871	2875	2879	2883	2887	2891	2895	2899	2903	2907	2911	2915	2919	2923	2927	2931	2935	2939	2943	2947	2951	2955	2959	2963	2967	2971	2975	2979	2983	2987	2991	2995	2999	3003	3007	3011	3015	3019	3023	3027	3031	3035	3039	3043	3047	3051	3055	3059	3063	3067	3071	3075	3079	3083	3087	3091	3095	3099	3103	3107	3111	3115	3119	3123	3127	3131	3135	3139	3143	3147	3151	3155	3159	3163	3167	3171	3175	3179	3183	3187	3191	3195	3199	3203	3207	3211	3215	3219	3223	3227	3231	3235	3239	3243	3247	3251	3255	3259	3263	3267	3271	3275	3279	3283	3287	3291	3295	3299	3303	3307	3311	3315	3319	3323	3327	3331	3335	3339	3343	3347	3351	3355	3359	3363	3367	3371	3375	3379	3383	3387	3391	3395	3399	3403	3407	3411	3415	3419	3423	3427	3431	3435	3439	3443	3447	3451	3455	3459	3463	3467	3471	3475	3479	3483	3487	3491	3495	3499	3503	3507	3511	3515	3519	3523	3527	3531	3535	3539	3543	3547	3551	3555	3559	3563	3567	3571	3575	3579	3583	3587	3591	3595	3599	3603	3607	3611	3615	3619	3623	3627	3631	3635	3639	3643	3647	3651	3655	3659	3663	3667	3671	3675	3679	3683	3687	3691	3695	3699	3703	3707	3711	3715	3719	3723	3727	3731	3735	3739	3743	3747	3751	3755	3759	3763	3767	3771	3775	3779	3783	3787	3791	3795	3799	3803	3807	3811	3815	3819	3823	3827	3831	3835	3839	3843	3847	3851	3855	3859	3863	3867	3871	3875	3879	3883	3887	3891	3895	3899	3903	3907	3911	3915	3919	3923	3927	3931	3935	3939	3943	3947	3951	3955	3959	3963	3967	3971	3975	3979	3983	3987	3991	3995	3999	4003	4007	4011	4015	4019	4023	4027	4031	4035	4039	4043	4047	4051	4055	4059	4063	4067	4071	4075	4079	4083	4087	4091	4095	4099	4103	4107	4111	4115	4119	4123	4127	4131	4135	4139	4143	4147	4151	4155	4159	4163	4167	4171	4175	4179	4183	4187	4191	4195	4199	4203	4207	4211	4215	4219	4223	4227	4231	4235	4239	4243	4247	4251	4255	4259	4263	4267	4271	4275	4279	4283	4287	4291	4295	4299	4303	4307	4311	4315	4319	4323	4327	4331	4335	4339	4343	4347	4351	4355	4359	4363	4367	4371	4375	4379	4383	4387	4391	4395	4399	4403	4407	4411	4415	4419	4423	4427	4431	4435	4439	4443	4447	4451	4455	4459	4463	4467	4471	4475	4479	4483	4487	4491	4495	4499	4503	4507	4511	4515	4519	4523	4527	4531	4535	4539	4543	4547	4551	4555	4559	4563	4567	4571	4575	4579	4583	4587	4591	4595	4599	4603	4607	4611	4615	4619	4623	4627	4631	4635	4639	4643	4647	4651	4655	4659	4663	4667	4671	4675	4679	4683	4687	4691	4695	4699	4703	4707	4711	4715	4719	4723	4727	4731	4735	4739	4743	4747	4751	4755	4759	4763	4767	4771	4775	4779	4783	4787	4791	4795	4799	4803	4807	4811	4815	4819	4823	4827	4831	4835	4839	4843	4847	4851	4855	4859	4863	4867	4871	4875	4879	4883	4887	4891	4895	4899	4903	4907	4911	4915	4919	4923	4927	4931	4935	4939	4943	4947	4951	4955	4959	4963	4967	4971	4975	4979	4983	4987	4991	4995	4999	5003	5007	5011	5015	5019	5023	5027	5031	5035	5039	5043	5047	5051	5055	5059	5063	5067	5071	5075	5079	5083	5087	5091	5095	5099	5103	5107	5111	5115	5119	5123	5127	5131	5135	5139	5143	5147	5151	5155	5159	5163	5167	5171	5175	5179	5183	5187	5191	5195	5199	5203	5207	5211	5215	5219	5223	5227	5231	5235	5239	5243	5247	5251	5255	5259	5263	5267	5271	5275	5279	5283	5287	5291	5295	5299	5303	5307	5311	5315	5319	5323	5327	5331	5335	5339	5343	5347	5351	5355	5359	5363	5367	5371	5375	5379	5383	5387	5391	5395	5399	5403	5407	5411	5415	5419	5423	5427	5431	5435	5439	5443	5447	5451	5455	5459	5463	5467	5471	5475	5479	5483	5487	5491	5495	5499	5503	5507	5511	5515	5519	5523	5527	5531	5535	5539	5543	5547	5551	5555	5559	5563	5567	5571	5575	5579	5583	5587

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		

DB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Design Subcooling, $10 \pm 2^\circ\text{F}$ @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat $1.5 \pm 2^\circ\text{F}$ @ the compressor suction access fitting connection.
Shaded area reflects AHRI conditions.
kW = Total system power
Amps = outdoor unit amps (comp.+fan)

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																			
				65°F						75°F						85°F						95°F						105°F						115°F					
				ENTERING INDOOR WET BULB TEMPERATURE																																			
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	-													
		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	-													
		1060	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	-														
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													
		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													
		1060	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														
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														
DB: Entering Indoor Dry Bulb Temperature		Shaded area reflects ACCA (TVA) conditions.																								kW = Total system power Amps = outdoor unit amps (comp.+fan)													

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	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
	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
1060	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
	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	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
	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
1200	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
	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

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

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.

Shaded area reflects AHRI conditions.

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE												115°F																		
				65°F				75°F				85°F				95°F				105°F				115°F										
				ENTERING INDOOR WET BULB TEMPERATURE																														
70		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
	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	-	32.4	33.6	36.8	-	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	-	0.84	0.70	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	-	17	15	11	-	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	-	3.46	3.54	3.66	-	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	-	15.7	16.0	16.5	-	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	-	422	454	479	-	422	454	479	-	
	Lo-PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	136	145	158	-	136	145	158	-	
	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	-	31.9	33.1	36.3	-	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	-	0.80	0.67	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	-	18	16	12	-	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	-	3.44	3.52	3.64	-	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	-	15.6	15.9	16.4	-	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	-	419	451	476	-	419	451	476	-		
Lo-PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	135	144	157	-	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	-	30.3	31.4	34.4	-	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	-	0.77	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	-	19	16	12	-	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	-	3.38	3.46	3.58	-	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	-	15.3	15.7	16.1	-	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	-	410	442	466	-	410	442	466	-	
	Lo-PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	133	141	154	-	133	141	154	-	
	75	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	33.0	33.9	36.7	39.4	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	0.95	0.85	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	20	18	15	10	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	3.49	3.57	3.69	3.82	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	15.8	16.2	16.7	17.2	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	426	458	484	505	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	138	146	160	170	138	146	160	170	
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	32.5	33.4	36.2	38.8	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	0.91	0.82	0.62	0.40	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	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	3.47	3.55	3.67	3.80	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	15.7	16.1	16.6	17.1	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	423	455	481	501	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	137	145	159	169	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	30.8	31.8	34.4	36.9	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	0.87	0.78	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	22	20	16	11	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	3.41	3.49	3.61	3.73	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.																							

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	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
	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
1300	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
	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	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
	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	26	22	26	26	25	21	24	24	23	20
1300	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
	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

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

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.

Shaded area reflects AHRI conditions.

kW = Total system power

Amps = outdoor unit amps (comp.+fan)

IDB		OUTDOOR AMBIENT TEMPERATURE																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		ENTERING INDOOR WET BULB TEMPERATURE																																															
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	59	63	67	71	59	63	67	71																
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	-	37.7	39.1	42.8	-	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	-	0.88	0.74	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	-	17	15	11	-	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	-	4.11	4.20	4.34	-	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	-	18.8	19.3	19.9	-	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	-	445	479	505	-	445	479	505	-																
	Lo-PR	112	119	130	-	118	126	138	-	123	131	143	-	129	138	150	-	136	144	157	-	140	149	163	-	140	149	163	-	140	149	163	-																
	70	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	-	36.6	37.9	41.6	-	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	-	0.84	0.70	0.49	-	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	-	18	15	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	-	4.07	4.17	4.30	-	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	-	18.7	19.1	19.7	-	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	-	440	474	500	-	440	474	500	-																
Lo-PR		111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-	139	148	161	-	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	-	34.8	36.0	39.5	-	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	-	0.80	0.67	0.47	-	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	-	18	16	12	-	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	-	4.01	4.09	4.23	-	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	-	18.4	18.8	19.4	-	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	-	432	464	490	-	432	464	490	-																
	Lo-PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	153	-	136	145	158	-	136	145	158	-	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	38.3	39.5	42.7	45.9	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	1.00	0.90	0.68	0.44	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	20	18	15	10	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	4.14	4.24	4.38	4.53	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	19.0	19.4	20.0	20.8	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	449	484	511	533	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	142	151	164	175	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	37.2	38.3	41.5	44.5	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	0.95	0.85	0.65	0.42	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	20	19	15	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	4.11	4.20	4.34	4.49	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	18.8	19.3	19.9	20.6	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	445	479	506	527	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	140	149	163	173	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	35.4	36.4	39.4	42.3	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	0.91	0.82	0.62	0.40	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	21	19	16	11	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	4.04	4.13	4.27	4.41	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																																							

		OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
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

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

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.

Shaded area reflects AHRI conditions.

Amps = outdoor unit amps (comp.+fan)

kW = Total system power

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
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	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	-	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	-	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	-	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	-	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	-	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	-	407	438	462	-								
	Lo PR	111	118	129	-	118	125	137	-	122	130	142	-	128	137	149	-	135	143	156	-	139	148	162	-	139	148	162	-								
70	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	-	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	-	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	-	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	-	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	-	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	-	403	433	457	-								
	Lo PR	110	117	128	-	116	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-	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	-	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	-	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	-	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	-	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	-	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	-	394	425	448	-								
	Lo PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-	135	144	157	-								

	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
	1961	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
		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
	1736	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
		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
	1736	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
	1736	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		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																															
				65°F								75°F								85°F								95°F								105°F								115°F							
				ENTERING INDOOR WET BULB TEMPERATURE																																															
80		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																		
	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	46.3	47.5	51.0	54.7	42.6	43.8	47.2	51.0																	
		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	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57																	
		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	20	19	16	12	12	9	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	4.78	4.88	5.04	5.21	4.95	5.06	5.23	5.41																	
		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	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	320	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492	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	114	121	132	140	120	128	139	148																		
	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	45.3	46.5	50.0	53.7	41.6	42.8	46.2	50.0																	
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	0.97	0.91	0.74	0.56	0.97	0.91	0.74	0.56																		
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	21	20	16	12	12	9	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	4.74	4.84	5.00	5.17	4.90	5.01	5.16	5.33																		
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	21.3	21.8	22.4	23.2	22.5	23.0	23.7	24.5																		
1736	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	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	112	120	131	139	119	126	138	147																		
	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	44.9	46.1	49.5	53.2	41.8	43.0	46.4	50.0																		
	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	0.96	0.90	0.73	0.55	0.96	0.90	0.73	0.55																		
	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	26	25	22	17	24	23	20	16																		
85	2201	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	4.72	4.82	4.98	5.15	4.88	4.98	5.15	5.32																	
		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	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	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	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	48.1	49.3	52.0	55.7	43.0	44.2	47.6	51.4																
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	0.96	0.92	0.83	0.67	0.96	0.92	0.83	0.67																		
ΔT	26		26	25	21	27	26	25	22	26	26	25	22	26	26	25	22	26	26	25	22	23	23	20	27	26	25	22	23	23	20	17																			
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	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	21.5	22.0	22.6	23.4	22.6	23.2	23.9	24.7																		
1736	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	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	137	146	159	170	142	151	165	176																		
	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	45.7	46.8	49.3	52.9	40.6	41.8	45.2	48.8																		
	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	0.99	0.95	0.86	0.70	0.99	0.95	0.86	0.70																		
	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	27	26	25	22	24	25	24	21																		
80	2201	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	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	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	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	135	143	156	166	139	148	162	172																	
		85	1961	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	49.6	50.7	53.2	57.0	45.9	47.1	50.5	54.3															
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	0.95	0.77	1.00	1.00	0.92	0.75	0.99	0.95	0.86	0.70	0.99	0.95	0.86	0.70																	
ΔT	25			25	24	20	25	25	24	21	24	25	24	21	24	24	24	21	22	23	24	21	21	21	18	25	24	23	20	21	2																				

GPH1624M41*

HORIZONTAL POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	671	616	567	---	---	---	---	---	---
			Watts	51	57	72	---	---	---	---	---	---
	T2/T3	230	CFM	941	872	777	746	614	---	---	---	---
			Watts	105	112	113	128	138	---	---	---	---
T4/T5	230	CFM	1347	1315	1256	1194	1152	1096	1051	972	891	
		Watts	239	256	265	271	282	286	293	297	305	

Downshot Position	Motor Speed	Volts	Static									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	699	595	523	---	---	---	---	---	---
			Watts	57	61	72						
	T2/T3	230	CFM	919	855	782	695	631	578	523	---	---
			Watts	108	117	121	132	143	144	149	---	---
T4/T5	230	CFM	1312	1275	1216	1153	1096	1028	943	869	816	
		Watts	260	269	274	285	295	300	304	310	316	

GPH1630M41*

HORIZONTAL POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	743	707	595	513	---	---	---	---	---
			Watts	61	73	77	85	---	---	---	---	---
	T2/T3	230	CFM	1146	1098	1044	991	934	817	764	698	653
			Watts	157	170	176	186	194	201	210	215	215
T4/T5	230	CFM	1440	1418	1364	1307	1265	1219	1168	1094	1049	
		Watts	290	306	312	321	326	332	348	353	360	

DOWNSHOT POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	722	672	574	509	---	---	---	---	---
			Watts	60	74	80	89	---	---	---	---	---
	T2/T3	230	CFM	1103	1038	978	922	806	731	676	622	564
			Watts	162	168	179	188	199	205	208	214	219
T4/T5	230	CFM	1401	1357	1305	1244	1179	1118	1046	934	884	
		Watts	311	326	318	334	341	349	353	352	357	

GPH1636M41*

HORIZONTAL POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	846	762	716	585	519	---	---	---	---
			Watts	74	83	94	98	108	---	---	---	---
	T2/T3	230	CFM	1278	1214	1182	1129	1072	1013	950	853	788
Watts			221	218	232	245	253	264	265	275	272	
T4/T5	230	CFM	1604	1560	1507	1468	1415	1364	1321	1276	1218	
		Watts	396	402	408	424	426	423	444	454	454	

GPH1636M41* (CONT.)

DOWNSHOT POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	809	730	623	542	485	441	---	---	---
			Watts	73	85	92	98	107	112	---	---	---
	T2/T3	230	CFM	1284	1223	1175	1097	1031	974	871	804	761
			Watts	220	227	241	247	255	262	272	277	285
	T4/T5	230	CFM	1578	1539	1498	1452	1396	1332	1279	1224	1161
			Watts	401	409	421	425	438	439	452	453	455

GPH1642M41*

HORIZONTAL POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	1030	955	908	826	761	678	633	563	504
			Watts	130	126	139	143	154	168	171	181	185
	T2/T3	230	CFM	1425	1373	1303	1250	1228	1158	1109	1042	982
			Watts	234	246	248	262	280	290	298	308	322
	T4/T5	230	CFM	1775	1718	1673	1643	1588	1532	1482	1431	1369
			Watts	416	424	430	454	458	466	478	488	490

DOWNSHOT POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	1001	936	852	810	700	643	579	526	491
			Watts	125	133	136	154	160	166	172	177	185
	T2/T3	230	CFM	1411	1361	1299	1240	1173	1112	1048	955	887
			Watts	281	294	301	309	312	320	327	335	339
	T4/T5	230	CFM	1745	1690	1615	1580	1530	1470	1420	1370	1310
			Watts	425	435	440	465	468	476	488	498	500

GPH1648M41*

HORIZONTAL POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	1167	1101	1045	992	939	870	802	732	681
			Watts	139	144	156	165	177	193	203	217	223
	T2/T3	230	CFM	1723	1637	1598	1554	1509	1467	1420	1361	1295
			Watts	372	370	381	390	404	411	420	427	441
	T4/T5	230	CFM	2012	1965	1912	1871	1809	1770	1741	1691	1635
			Watts	578	593	599	606	610	627	626	634	638

DOWNSHOT POSITION	MOTOR SPEED	VOLTS	STATIC									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
	T1	230	CFM	1155	1074	1023	969	896	805	755	667	626
			Watts	153	156	169	180	195	205	216	226	230
	T2/T3	230	CFM	1670	1596	1558	1484	1467	1383	1339	1259	1168
			Watts	383	392	399	408	419	434	436	447	449
	T4/T5	230	CFM	1949	1881	1853	1792	1753	1699	1621	1561	1522
			Watts	603	607	608	616	622	626	648	650	645

GPH1660M41*

DOWNSHOT

SPEED TAP	STATIC	CFM	AMPS	WATTS	RPM
T1	0.1	1334	1.65	180	627
	0.2	1286	1.75	192	665
	0.3	1212	1.83	202	715
	0.4	1144	1.94	216	759
	0.5	1077	1.99	222	792
	0.6	1039	2.10	238	830
	0.7	953	2.17	248	874
	0.8	904	2.27	258	913
	0.9	825	2.30	266	940
T2	0.1	1512	2.12	240	682
	0.2	1469	2.24	254	720
	0.3	1397	2.31	264	759
	0.4	1333	2.44	282	803
	0.5	1285	2.54	296	836
	0.6	1221	2.59	304	874
	0.7	1173	2.72	322	913
	0.8	1118	2.77	328	946
	0.9	1049	2.90	344	984
T3	0.1	2053	4.27	540	869
	0.2	2014	4.39	558	896
	0.3	1999	4.60	576	929
	0.4	1947	4.68	588	957
	0.5	1897	4.79	608	989
	0.6	1857	4.87	620	1012
	0.7	1763	4.99	640	1050
	0.8	1741	5.06	650	1072
	0.9	1669	5.19	668	1105
T4	0.1	2137	4.95	634	913
	0.2	2093	5.07	652	940
	0.3	2095	5.19	670	962
	0.4	2026	5.28	682	990
	0.5	1980	5.40	698	1018
	0.6	1961	5.49	720	1039
	0.7	1914	5.58	732	1072
	0.8	1845	5.70	742	1100
	0.9	1766	5.69	740	1127
T5	0.1	2299	5.70	742	942
	0.2	2233	5.80	748	969
	0.3	2217	5.90	768	990
	0.4	2157	6.07	786	1018
	0.5	2131	6.12	804	1045
	0.6	2060	6.21	816	1073
	0.7	2015	6.30	820	1095
	0.8	1940	6.27	816	1111
	0.9	1862	6.13	790	1128

HORIZONTAL

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1355	1.57	174	599
	0.2	1281	1.66	182	651
	0.3	1235	1.76	196	693
	0.4	1168	1.81	202	726
	0.5	1118	1.94	218	775
	0.6	1049	2.03	232	819
	0.7	982	2.10	240	858
	0.8	922	2.14	246	885
	0.9	871	2.25	260	927
T2	0.1	1544	2.04	234	660
	0.2	1490	2.17	250	704
	0.3	1427	2.25	260	742
	0.4	1370	2.35	276	781
	0.5	1319	2.42	282	809
	0.6	1274	2.52	296	849
	0.7	1210	2.62	316	891
	0.8	1137	2.73	326	935
	0.9	1106	2.77	336	957
T3	0.1	2099	4.13	516	825
	0.2	2068	4.25	536	852
	0.3	2029	4.37	552	885
	0.4	1971	4.48	568	913
	0.5	1911	4.61	586	950
	0.6	1876	4.73	604	973
	0.7	1821	4.86	622	1012
	0.8	1792	4.91	630	1028
	0.9	1740	5.03	648	1067
T4	0.1	2233	4.76	608	863
	0.2	2168	4.91	628	896
	0.3	2125	5.02	640	924
	0.4	2070	5.14	660	951
	0.5	2050	5.27	678	979
	0.6	1980	5.41	696	1012
	0.7	1954	5.47	704	1034
	0.8	1893	5.60	724	1067
	0.9	1852	5.70	736	1089
T5	0.1	2322	5.44	710	904
	0.2	2294	5.55	726	934
	0.3	2254	5.68	742	958
	0.4	2201	5.80	766	990
	0.5	2147	5.93	782	1017
	0.6	2117	6.01	788	1039
	0.7	2081	6.12	808	1060
	0.8	2017	6.22	822	1094
	0.9	1932	6.10	804	1111

NOTES

- Table represent dry coil without filter, to compensate for filter add 0.08" to measured E.S.P..
- SCFM correction for wet coil = 4%.
- 5-ton models are shipped from the factory with speed tap set on T4.

AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 3 TO 6 TON ROOFTOP UNITS (100% RETURN AIR)

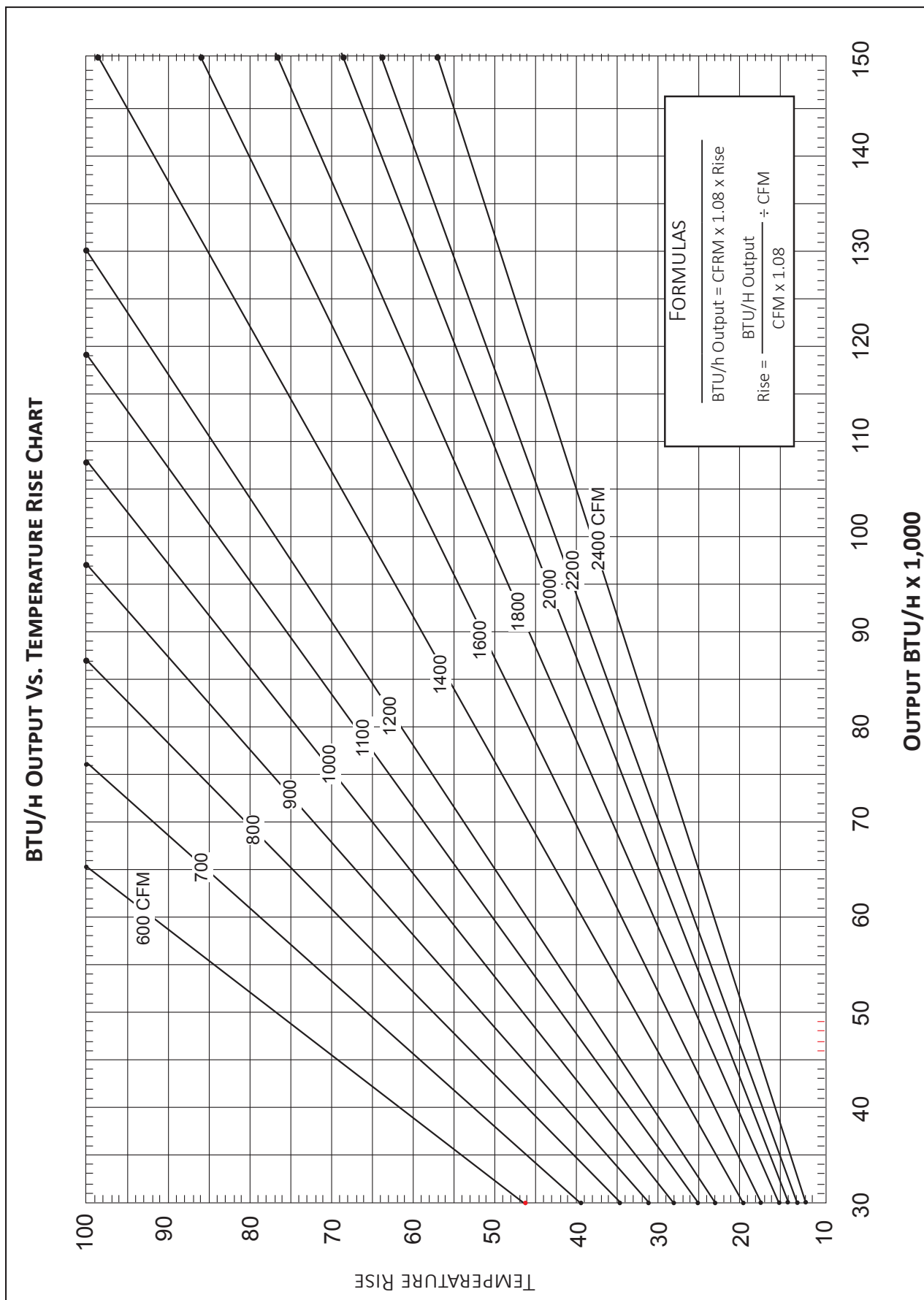
SCFM	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
in. WG	0.02	0.04	0.05	0.07	0.09	0.12	0.14	0.17	0.21	0.24	0.28

5TON MODELS: GPH1660***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 indicates air flow below 1500 SCFM (300 SCFM/ton) that is not recommended for High Stage cooling or heating.



GPH1624M41**

	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
EER	15	14	14	13	13	12	12	11	9	9	8	8	8	7	6	6	5	4
HI PR	397	381	366	350	342	336	323	310	297	283	272	265	261	251	241	231	223	215
LO PR	141.8	131.6	123.3	113.1	106.9	102.8	94.6	84.2	76.0	67.9	59.6	55.5	53.4	45.2	39.0	32.9	28.7	22.5

GPH1630M41**

	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
EER	14	13	13	12	12	12	11	10	9	9	8	8	8	7	6	6	5	4
HI PR	416	399	383	366	358	351	337	324	310	296	284	278	273	262	252	242	233	225
LO PR	134.9	125.2	117.3	107.6	101.7	97.8	90.0	80.1	72.3	64.6	56.7	52.8	50.8	43.0	37.1	31.3	27.3	21.5

GPH1636M41**

	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
EER	15	14	14	13	13	12	12	11	10	9	9	8	8	7	7	6	5	4
HI PR	399	383	368	352	344	337	324	311	298	285	273	267	262	252	242	232	224	216
LO PR	133.8	124.1	116.4	106.7	100.9	97.0	89.3	79.5	71.7	64.0	56.3	52.3	50.4	42.7	36.8	31.1	27.1	21.3

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

EXPANDED HEATING DATA (CONT.)

GPH1642M41

	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
EER	14	13	13	12	12	11	11	10	9	9	8	8	8	7	6	6	5	4
HI PR	417	399	384	367	359	352	338	324	311	297	285	278	273	263	253	242	234	226
LO PR	134.9	125.1	117.3	107.5	101.7	97.8	90.0	80.1	72.3	64.5	56.7	52.8	50.8	43.0	37.1	31.3	27.3	21.4

GPH1648M41

	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
EER	15	14	13	13	12	12	12	11	10	9	9	9	8	8	7	6	5	5
HI PR	404	387	372	356	348	341	328	315	301	288	276	270	265	255	245	235	227	219
LO PR	133.3	123.7	115.9	106.3	100.5	96.6	88.9	79.2	71.4	63.8	56.1	52.1	50.2	42.5	36.7	30.9	27.0	21.2

GPH1660M41

	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
EER	15	15	14	14	13	13	12	11	10	9	9	8	8	7	7	6	5	4
HI PR	295	283	272	260	254	249	239	230	220	210	202	197	193	186	179	171	165	160
LO PR	133.4	123.7	116.0	106.3	100.5	96.7	88.9	79.2	71.5	63.8	56.1	52.2	50.3	42.5	36.7	31.0	27.0	21.2

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

GPH1624M41						
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	-	-

GPH1630M41						
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	84.846	-
60	33.80	3.95	50.18	66.56	82.9432	-
55	31.81	3.80	48.19	64.57	80.9552	-
50	29.73	3.63	46.12	62.50	78.882	-
45	27.52	3.43	43.90	60.28	76.6668	-
40	25.56	3.26	41.94	58.32	74.7072	-
35	23.57	3.07	39.95	56.34	72.7192	-
30	20.68	2.68	37.07	53.45	69.8308	-
25	19.09	2.53	35.47	51.85	68.2372	-
20	17.58	2.39	33.96	50.34	66.7266	-
15	15.99	2.23	32.37	48.75	65.133	-
10	14.34	2.05	30.72	47.11	63.4896	-
5	12.72	1.87	29.10	45.48	61.8628	-
0	11.09	1.67	27.47	43.85	60.236	-
-5	9.46	1.47	25.84	42.23	58.6092	-
-10	7.75	1.24	24.13	40.52	56.8994	-

GPH1636M41						
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	91.27	-
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	-

GPH1642M41						
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	-

GPH1648M41						
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	96.78	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

GPH1660M41					
CONDITION : 2000 CFM; INDOOR AIR @ 70 °F DB					
OUTDOOR AMBIENT °F.	BASIC UNIT W/O AUXILIARY HEAT		UNIT CAPACITY WITH KW OF AUX. HEAT		
	CAPACITY*	COP	10	15	20
65	69.70	4.49	103.82	120.88	137.94
60	66.00	4.34	100.12	117.18	134.24
55	62.10	4.16	96.22	113.28	130.34
50	58.00	3.97	92.22	109.28	126.34
45	53.70	3.75	87.82	104.88	121.94
40	49.90	3.56	84.02	101.08	118.14
35	46.00	3.35	80.12	97.18	114.24
30	38.20	2.84	71.82	88.88	105.94
25	35.30	2.68	68.92	85.98	103.04
20	32.50	2.52	66.22	83.28	100.34
15	29.50	2.35	63.32	80.38	97.44
10	26.50	2.16	60.32	77.38	94.44
5	23.50	1.96	57.32	74.38	91.44
0	20.50	1.75	54.32	71.38	88.44
-5	17.50	1.53	51.42	68.48	85.54
-10	14.30	1.29	48.22	65.28	82.34

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)

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		ACTUAL kW / BTU@ 240V
	MCA ¹	MOD ²	MCA ¹	MOD ²	
GPH1624M41**	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
GPH1630M41**	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
GPH1636M41**	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
GPH1642M41**	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
GPH1648M41* *	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
GPH1660M41* *			---	---
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
GPH1660M41B*			---	---
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

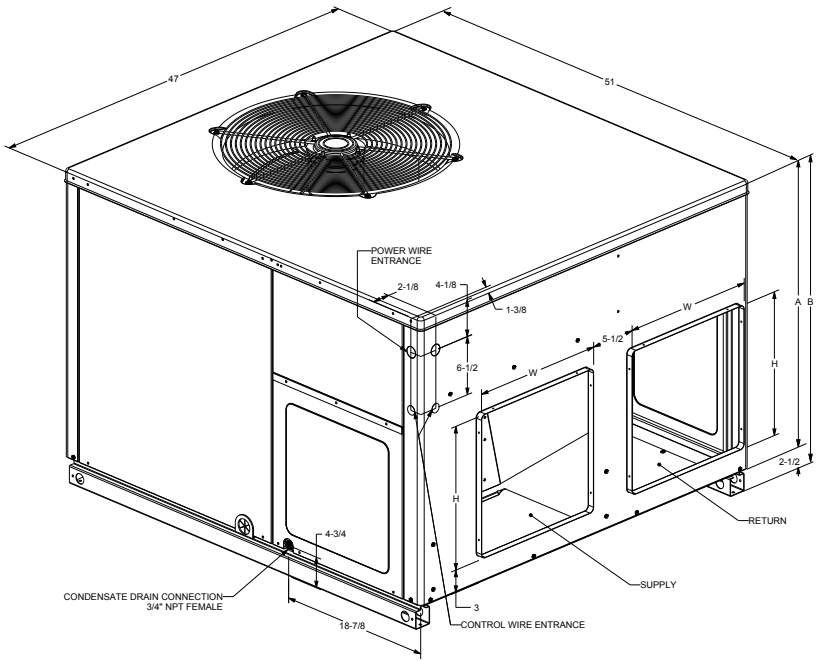
kW CORRECTION FACTORS

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

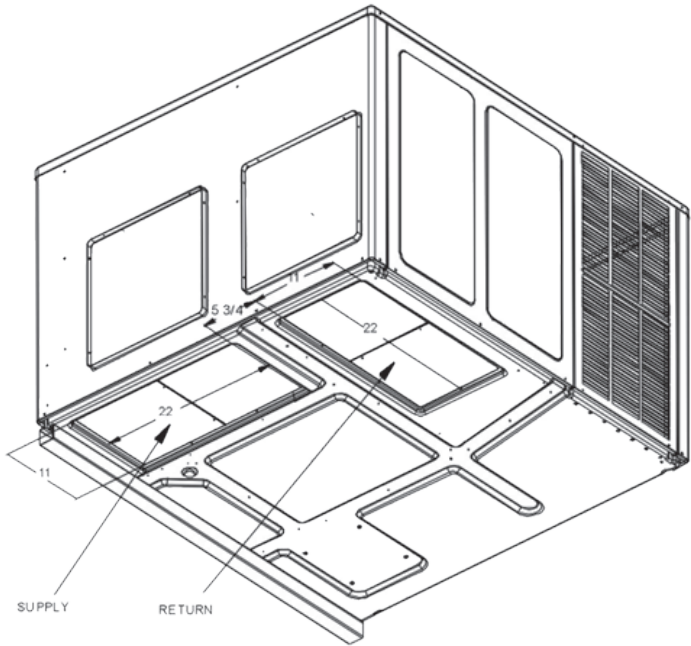
Multiply rated kW by correction factor to get actual kW

MINIMUM AIRFLOW FOR ELECTRIC HEAT

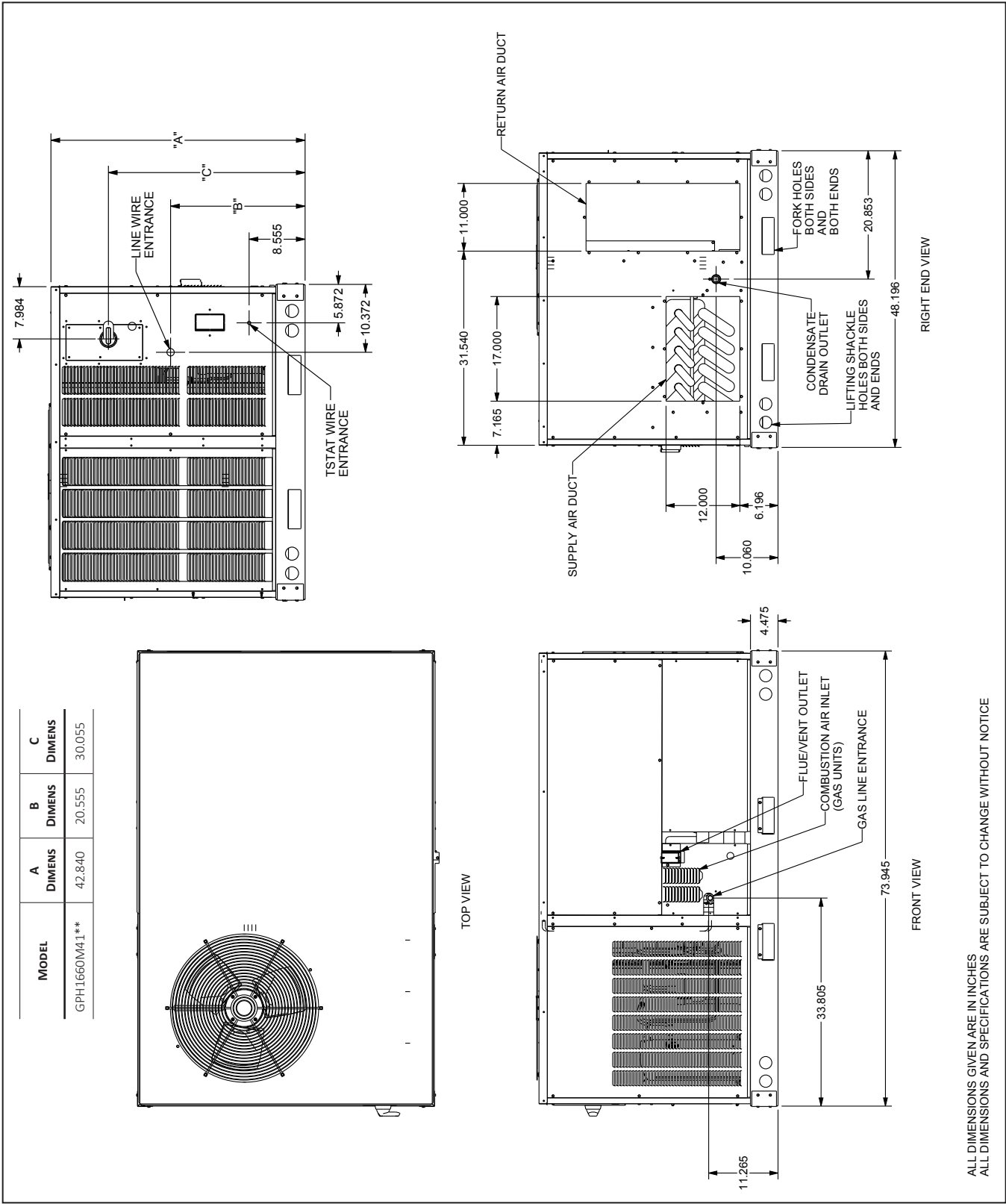
HEATER SIZE	MINIMUM CFM
10 kW	1,250
15 kW	1,400
20 kW	1,850



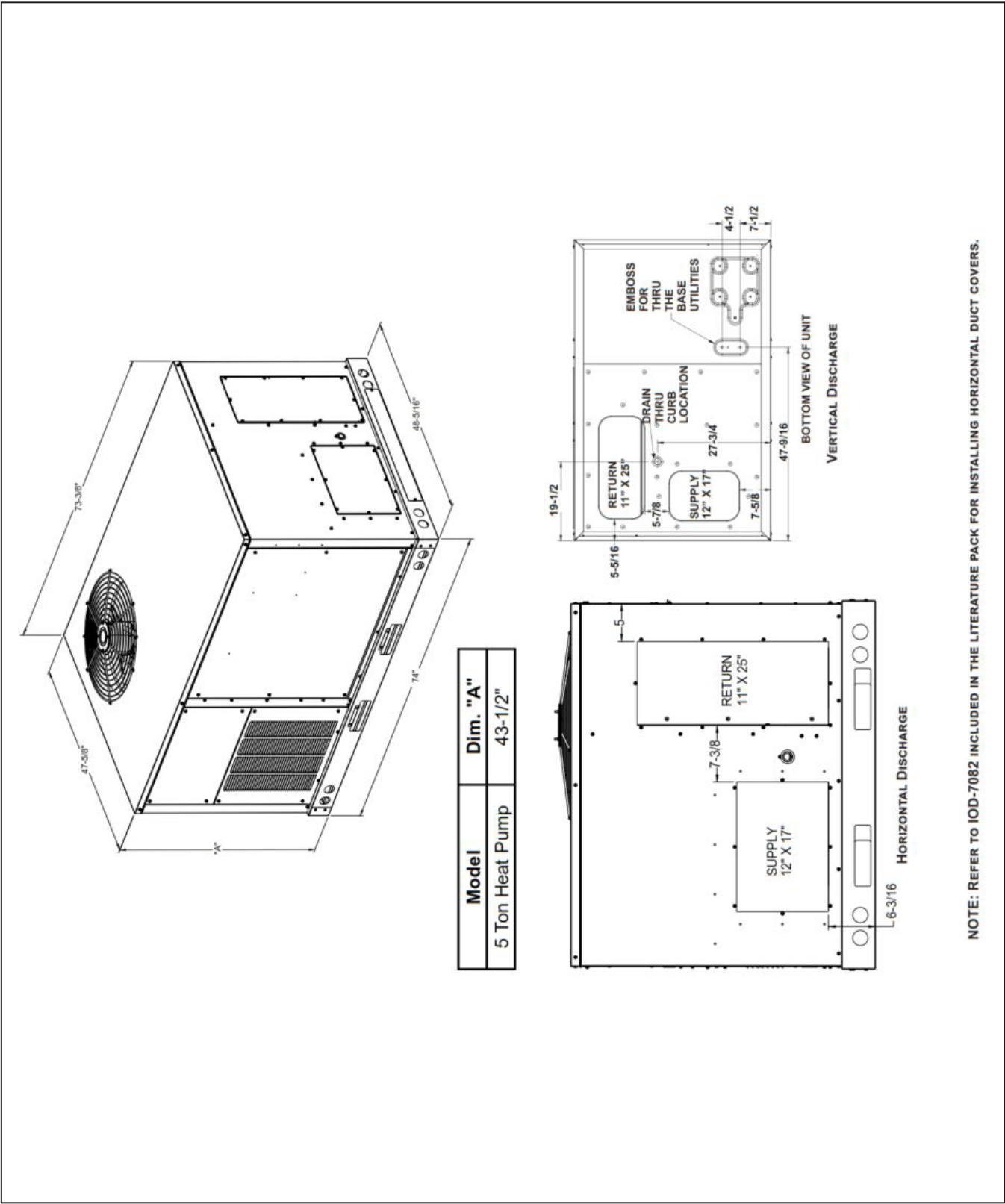
MODEL	UNIT DIMENSIONS (INCHES)				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
GPH1624M41**	47	51	32	34 1/2	Medium
GPH1630M41**	47	51	32	34 1/2	Medium
GPH1636M41**	47	51	32	34 1/2	Medium
GPH1642M41**	47	51	40	42 1/2	Large
GPH1648M41**	47	51	40	42 1/2	Large
GPH1660M41B*	73 3/8	47 5/8	39	43 1/2	X-Large



MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPH1624M41**	16	16	16	16
GPH1630M41**	16	16	16	16
GPH1636M41**	16	16	16	16
GPH1642M41**	16	18	16	18
GPH1648M41**	16	18	16	18
GPH1660M41B*	17	12	11	25



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



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.

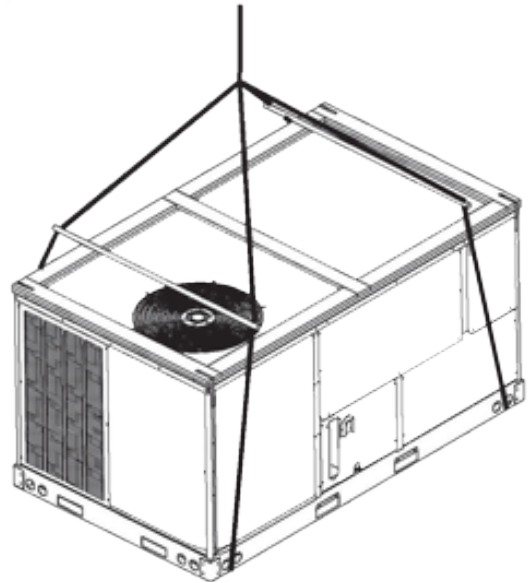
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

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.

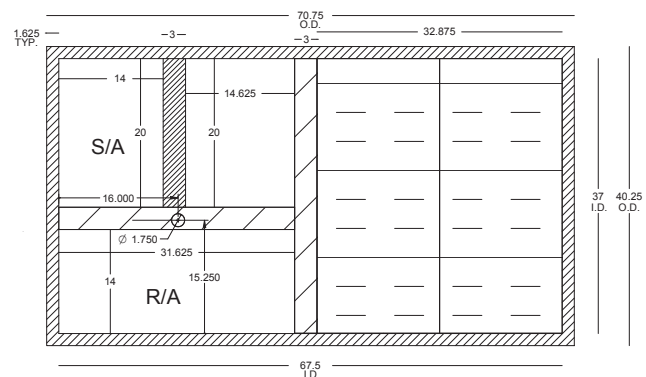
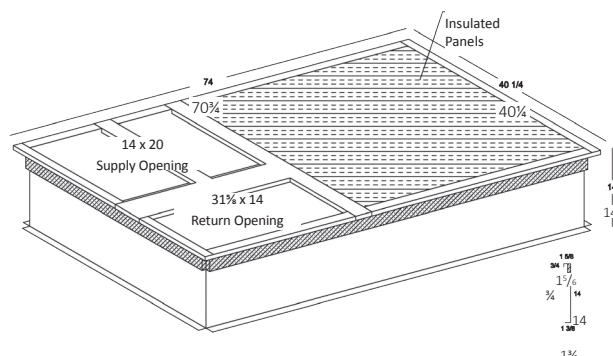
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

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

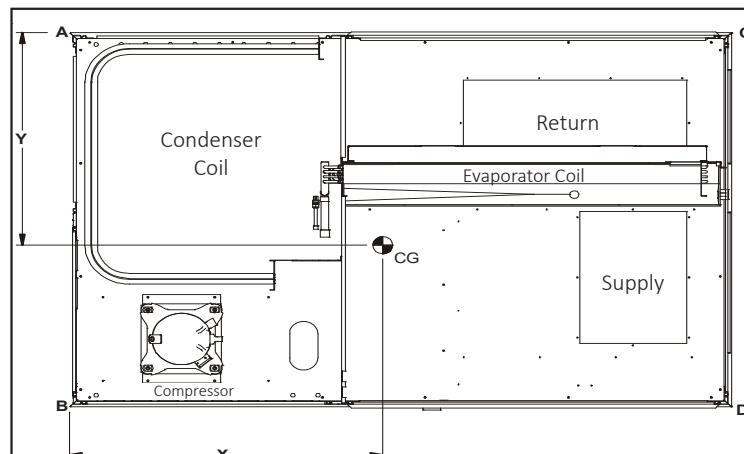


3-D VIEW

TOP VIEW



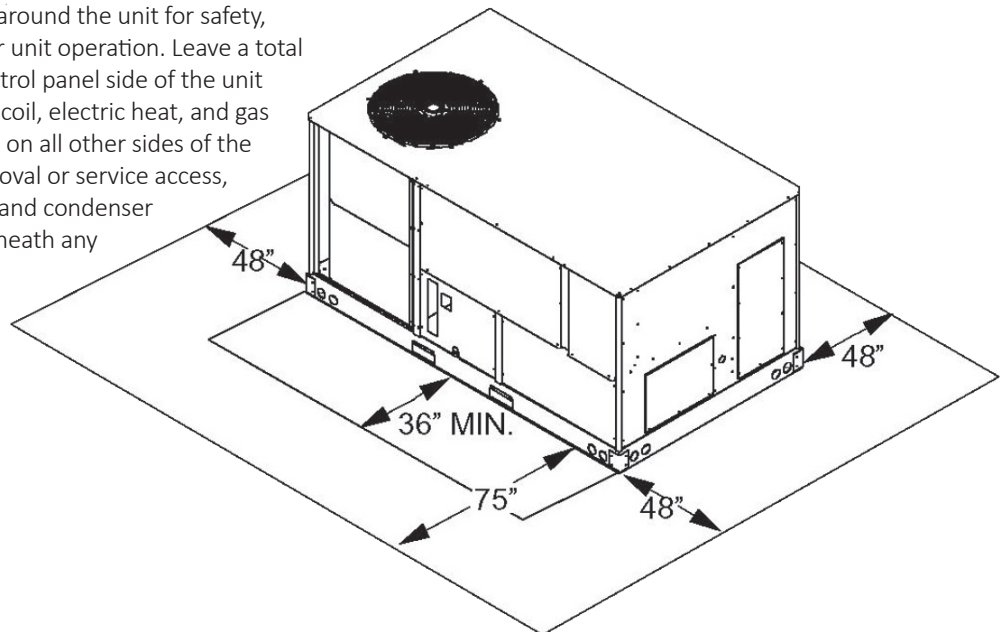
CORNER & CENTER-OF-GRAVITY LOCATIONS

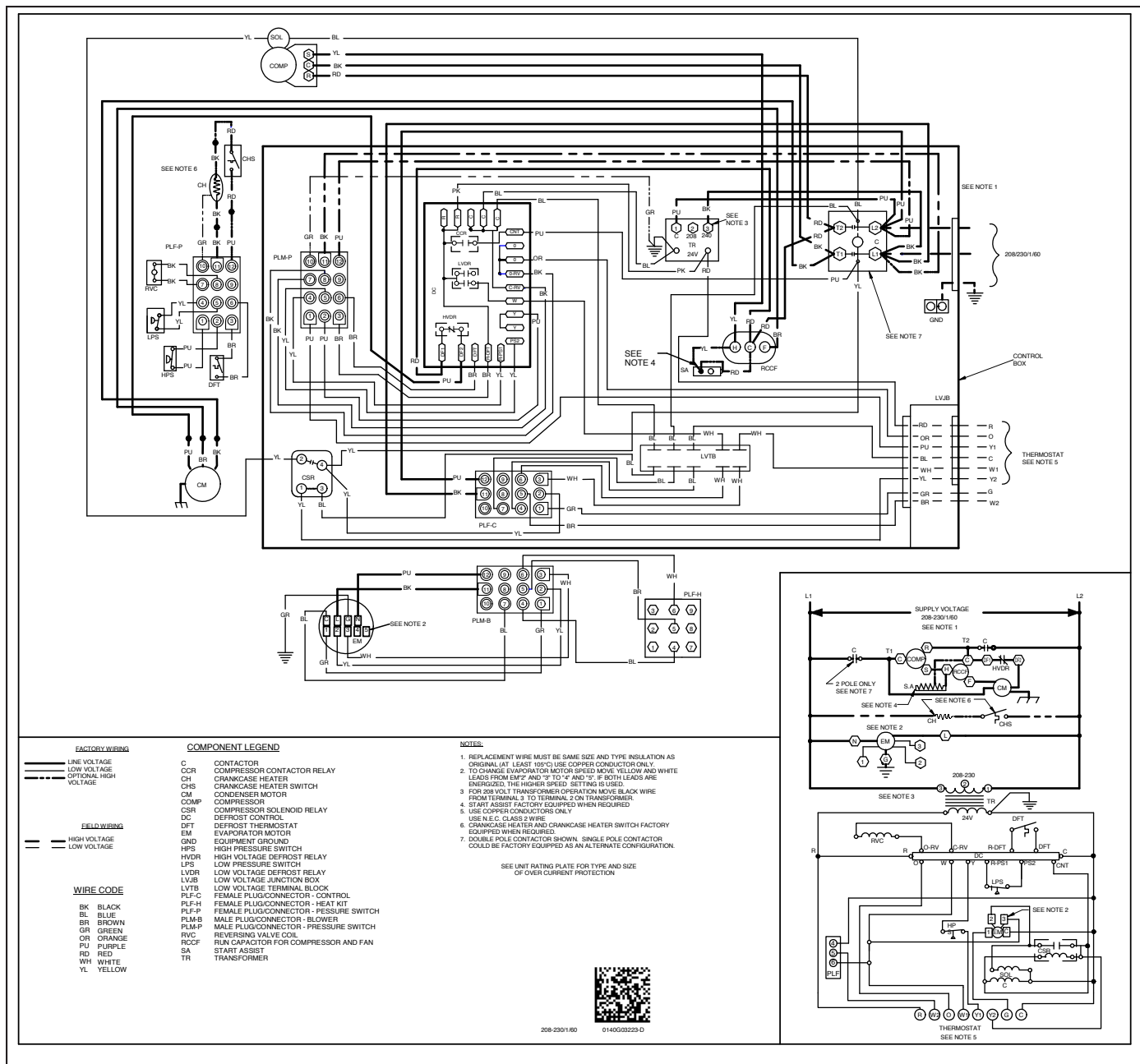


MODEL	X (IN)	Y (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CORNER WEIGHTS (LBS.)			
					A	B	C	D
GPH1660M41**	40.0	25.1	612	583	204	113	72	194

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.



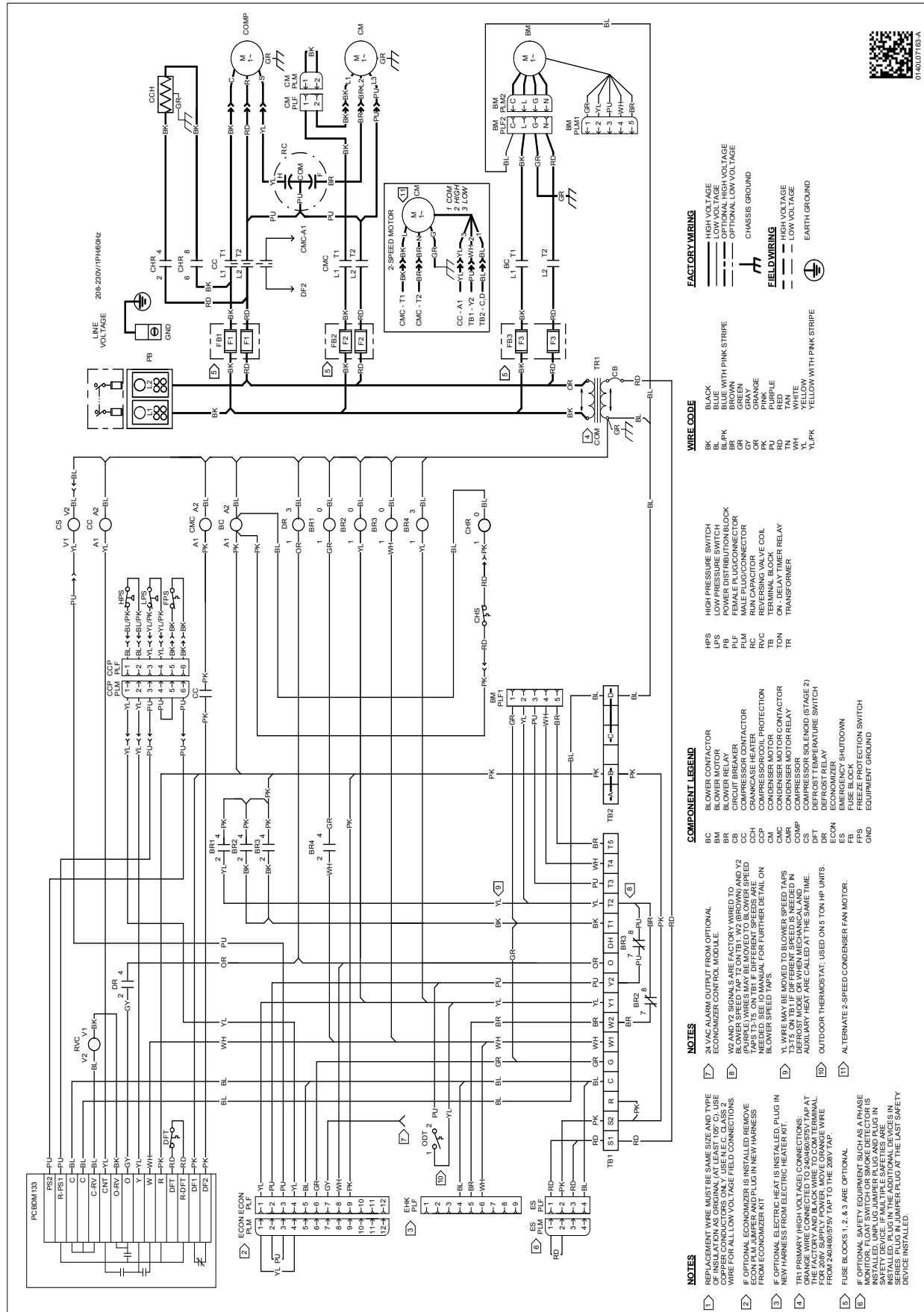


Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

**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.





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 GPH1624-48M41 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	DHZECNJPCHM	DHZECNJPCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Inline Fuse Kit	INFKPKG01	INFKPKG01
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 GPH1624M41 and GPH1630M41 models)	OTHPPKG-01	N/A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA
Adjustable Roof Curb	2612ADJCURBGPM	2612ADJCURBGPM

FOR THE GPH1660M41AA 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)
DHZECN3672	Horizontal Economizer
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 GPH1660M41BA 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
GPH1624M41**	SPK-30
GPH1630M41**	SPK-35
GPH1636M41**	SPK-40
GPH1642M41**	SPK-45
GPH1648M41**	SPK-50
GPH1660M41**	SPKT01/02

The manufacturing entity reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.