Goodman
Air Conditioning & Heating

GPHH3

R-32 Packaged Heat Pump
13.4 SEER2, 6.7 HSPF2
2 to 5 Tons

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ALL ALUMINUM COIL

R32

Standard Features

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Quiet horizontal discharge
- All-aluminum evaporator coil
- Copper tube/aluminum fin condenser coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Electric heat kit available as a field-installed option
- AHRI certified; UL listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with architectural gray powder-paint finish
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- Louvered condenser coil protection
- One footprint for all tonnages
- When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

10 YEAR PARTS LIMITED WARRANTY*

c UL us LISTED

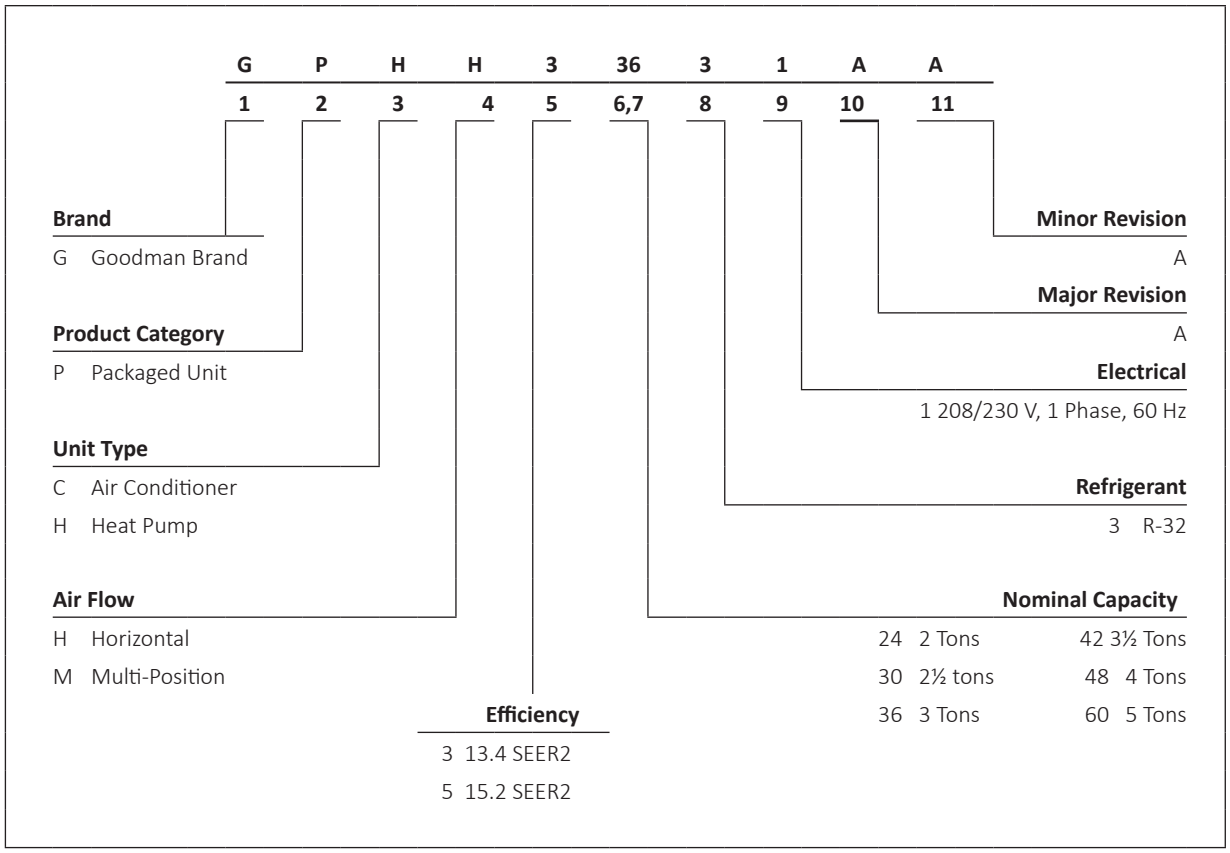
AHRI CERTIFIED

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

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

BBB ACCREDITED BUSINESS

* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in Florida, California, or Québec. The duration of warranty coverage in Texas and Florida differs in some cases. Other limitations and exclusions apply; refer to complete warranty details for a full list of limitations and exclusions.


G P H H 3 36 3 1 A A
1 2 3 4 5 6,7 8 9 10 11
Brand
G Goodman Brand
Product Category
P Packaged Unit
Unit Type
C Air Conditioner
H Heat Pump
Air Flow
H Horizontal
M Multi-Position
Efficiency
3 13.4 SEER2
5 15.2 SEER2
Nominal Capacity
24 2 Tons
30 2½ tons
36 3 Tons
42 3½ Tons
48 4 Tons
60 5 Tons
Refrigerant
3 R-32
Electrical
1 208/230 V, 1 Phase, 60 Hz
Major Revision
A
Minor Revision
A

	GPHH3 2431	GPHH3 3031	GPHH3 3631	GPHH3 4231	GPHH34 831	GPHH3 6031
COOLING CAPACITY						
Total BTU/h	24,000	28,200	36,000	39,000	45,000	56,000
Sensible BTU/h	17,280	22,842	27,000	29,250	34,650	40,880
SEER2	13.4	13.4	13.4	13.4	13.4	13.4
EER2	10.6	10.6	10.6	10.6	10.6	10.6
HEATING CAPACITY						
BTU/h (47°F)	24,000	27,200	33,800	35,000	42,500	54,000
C.O.P. (47°F)	3.68	3.8	3.56	3.68	3.74	3.72
BTU/h (17°F)	15,700	16,500	21,800	20,800	25,000	29,800
C.O.P. (17°F)	2.46	2.54	2.48	2.30	2.50	2.38
HSPF2	6.70	6.70	6.70	6.70	6.70	6.70
EVAPORATOR FAN / COIL						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11 x 8
Indoor Nominal CFM	800	1050	1225	1250	1500	1650
No. of Speeds	5	5	5	5	5	5
Indoor Blower FLA	3.8	3.8	3.8	3.8	5.4	5.4
HORSEPOWER	1/2	1/2	1/2	1/2	3/4	3/4
Face Area (ft2)	5.26	5.26	6.23	6.23	6.23	7.01
Rows Deep / Fins per Inch	3/14	3/14	3/14	4/14	4/14	4/14
Metering Device Type	Piston	Piston	Piston	Piston	Piston	Piston
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	68	79	104	111	141	147
Condenser Fan / Coil						
OUTDOOR FAN FLA	0.95	0.95	1.4	1.4	1.4	1.4
Horsepower	1/6	1/6	1/4	1/4	1/4	1/4
Blade Diameter	22	22	22	22	22	22
Face Area (ft2)	13.37	13.37	17.02	17.02	17.02	18.85
ROWS DEEP / FINS PER INCH	1/24	1/24	1/24	1/24	2/16	2/20
Metering Device Type	Piston	Piston	Piston	Piston	Piston	Piston
Compressor						
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Two
RLA	12.8	12.8	14.4	14.4	19.39	23.87
LRA	76	76	112.2	112.2	127.7	148
Electrical Data						
Phase	1	1	1	1	1	1
Voltage (Frequency 60 Hz)	208-230	208-230	208-230	208-230	208-230	208-230
Min. Circuit Ampacity	20.75	20.75	23.2	23.2	31.04	36.64
MAX. OVERCURRENT PROTECTION	30	30	35	35	50	60
Decibels	76	76	78	78	80	80
Operating/Shipping Weights (lbs)	330 / 340	330 / 340	370 / 380	390 / 400	415 / 425	440 / 450

Notes:

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

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

Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	600	MBh	24.1	24.5	25.2	-	23.9	24.3	25.0	-	23.3	23.6	24.4	-	22.2	22.5	23.3	-	20.9	21.2	21.9	-	19.6	20.0	20.7	-
		S/T	0.49	0.41	0.29	-	0.49	0.42	0.29	-	0.52	0.44	0.32	-	0.53	0.46	0.33	-	0.56	0.48	0.35	-	1.00	0.53	0.40	-
		ΔT	20.84	19.04	15.68	-	20.79	18.99	15.63	-	21.04	19.24	15.88	-	20.77	18.97	15.61	-	20.53	18.73	15.37	-	21.66	19.86	16.49	-
		kW	1.57	1.56	1.56	-	1.78	1.77	1.77	-	2.01	2.01	2.00	-	2.26	2.26	2.26	-	2.55	2.55	2.54	-	2.88	2.88	2.88	-
		Amps	6.12	6.12	6.10	-	7.04	7.03	7.01	-	8.06	8.05	8.03	-	9.16	9.15	9.14	-	10.39	10.39	10.37	-	11.84	11.83	11.82	-
		Hi PR	273	274	276	-	316	317	319	-	362	363	365	-	411	412	414	-	464	465	467	-	520	521	523	-
		Lo PR	117	119	122	-	125	126	129	-	131	133	136	-	136	138	141	-	142	143	146	-	148	150	153	-
	800	MBh	24.7	25.1	25.8	-	24.5	24.9	25.6	-	23.9	24.2	25.0	-	22.8	23.1	23.9	-	21.4	21.8	22.5	-	20.2	20.6	21.3	-
		S/T	0.63	0.56	0.43	-	0.64	0.57	0.44	-	0.66	0.59	0.46	-	0.68	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.68	0.55	-
		ΔT	18.38	16.58	13.22	-	18.33	16.53	13.17	-	18.58	16.78	13.42	-	18.31	16.51	13.15	-	18.07	16.27	12.91	-	19.20	17.40	14.04	-
		kW	1.59	1.59	1.58	-	1.80	1.80	1.79	-	2.03	2.03	2.03	-	2.29	2.29	2.28	-	2.57	2.57	2.57	-	2.90	2.90	2.90	-
		Amps	6.23	6.22	6.21	-	7.14	7.14	7.12	-	8.16	8.16	8.14	-	9.27	9.26	9.25	-	10.50	10.49	10.48	-	11.95	11.94	11.92	-
		Hi PR	278	279	281	-	321	322	324	-	367	368	370	-	416	417	419	-	469	470	472	-	525	526	528	-
		Lo PR	121	122	125	-	128	130	133	-	135	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-
	1000	MBh	25.6	25.9	26.7	-	25.4	25.7	26.4	-	24.7	25.1	25.8	-	23.6	24.0	24.7	-	22.3	22.6	23.4	-	21.1	21.4	22.1	-
		S/T	0.67	0.60	0.47	-	0.68	0.61	0.48	-	0.70	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.67	0.54	-	1.00	0.72	0.59	-
		ΔT	16.65	14.85	11.49	-	16.60	14.80	11.44	-	16.86	15.06	11.69	-	16.58	14.78	11.42	-	16.34	14.54	11.18	-	17.47	15.67	12.31	-
		kW	1.61	1.61	1.60	-	1.82	1.82	1.81	-	2.05	2.05	2.05	-	2.31	2.30	2.30	-	2.59	2.59	2.58	-	2.92	2.92	2.92	-
		Amps	6.31	6.30	6.28	-	7.22	7.21	7.20	-	8.24	8.23	8.22	-	9.34	9.34	9.32	-	10.58	10.57	10.55	-	12.02	12.02	12.00	-
		Hi PR	282	284	285	-	326	327	329	-	371	373	374	-	420	422	423	-	473	474	476	-	530	531	533	-
		Lo PR	125	127	130	-	132	134	137	-	139	140	143	-	144	146	149	-	149	151	154	-	156	157	160	-
75	600	MBh	24.2	24.5	25.2	26.3	23.9	24.3	25.0	26.1	23.3	23.6	24.4	25.5	22.2	22.6	23.3	24.4	20.9	21.2	21.9	23.1	19.6	20.0	20.7	21.8
		S/T	0.61	0.54	0.41	0.3	0.61	0.54	0.41	0.3	0.64	0.57	0.44	0.3	1.00	0.58	0.46	0.3	1.00	0.61	0.48	0.3	1.00	0.65	0.53	0.4
		ΔT	24.80	23.00	19.63	16.2	24.75	22.95	19.59	16.1	25.00	23.20	19.84	16.4	24.73	22.93	19.57	16.1	24.49	22.69	19.33	15.8	25.62	23.81	20.45	17.0
		kW	1.56	1.56	1.56	1.6	1.77	1.77	1.77	1.8	2.01	2.01	2.00	2.0	2.26	2.26	2.26	2.3	2.55	2.54	2.54	2.6	2.88	2.88	2.87	2.9
		Amps	6.12	6.11	6.09	6.2	7.03	7.02	7.01	7.1	8.05	8.04	8.03	8.1	9.15	9.15	9.13	9.2	10.39	10.38	10.37	10.4	11.83	11.83	11.81	11.9
		Hi PR	273	274	276	281.0	317	318	320	324.4	362	363	365	370.0	411	412	414	419.0	464	465	467	471.8	520	522	523	528.3
		Lo PR	118	119	122	127.1	125	126	129	134.4	131	133	136	140.7	136	138	141	146.1	142	143	146	151.3	148	150	153	157.9
	800	MBh	24.8	25.1	25.8	26.9	24.5	24.9	25.6	26.7	23.9	24.2	25.0	26.1	22.8	**23.1**	23.9	25.0	21.5	21.8	22.5	23.6	20.2	20.6	21.3	22.4
		S/T	0.75	0.68	0.55	0.4	0.76	0.69	0.56	0.4	1.00	0.71	0.58	0.4	1.00	**0.73**	0.60	0.5	1.00	0.75	0.62	0.5	1.00	0.80	0.67	0.5
		ΔT	22.34	20.54	17.18	13.7	22.29	20.49	17.13	13.6	22.54	20.74	17.38	13.9	22.27	**20.47**	17.11	13.6	22.03	20.23	16.87	13.4	23.16	21.36	18.00	14.5
		kW	1.59	1.59	1.58	1.6	1.80	1.80	1.79	1.8	2.03	2.03	2.03	2.0	2.29	**2.29**	2.28	2.3	2.57	2.57	2.57	2.6	2.90	2.90	2.90	2.9
		Amps	6.22	6.22	6.20	6.3	7.14	7.13	7.12	7.2	8.16	8.15	8.14	8.2	9.26	**9.25**	9.24	9.3	10.50	10.49	10.47	10.5	11.94	11.93	11.92	12.0
		Hi PR	278	279	281	285.9	321	323	325	329.4	367	368	370	374.9	416	**417**	419	423.9	469	470	472	476.8	525	526	528	533.2
		Lo PR	121	122	125	130.5	128	130	133	137.8	135	136	139	144.1	140	**141**	144	149.5	145	147	150	154.8	152	153	156	161.4
	1000	MBh	25.6	25.9	26.7	27.8	25.4	25.7	26.5	27.6	24.7	25.1	25.8	26.9	23.6	24.0	24.7	25.8	22.3	22.7	23.4	24.5	21.1	21.4	22.2	23.3
		S/T	0.80	0.72	0.60	0.5	0.80	0.73	0.60	0.5	1.00	0.75	0.63	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.67	0.5	1.00	1.00	0.71	0.6
		ΔT	20.61	18.81	15.45	12.0	20.56	18.76	15.40	11.9	20.81	19.01	15.65	12.2	20.54	18.74	15.38	11.9	20.30	18.50	15.14	11.7	21.43	19.63	16.27	12.8
		kW	1.61	1.60	1.60	1.6	1.82	1.81	1.81	1.8	2.05	2.05	2.05	2.1	2.30	2.30	2.30	2.3	2.59	2.59	2.58	2.6	2.92	2.92	2.92	2.9
		Amps	6.30	6.29	6.28	6.3	7.21	7.21	7.19	7.3	8.23	8.23	8.21	8.3	9.34	9.33	9.31	9.4	10.57	10.56	10.55	10.6	12.02	12.01	11.99	12.1
		Hi PR	283	284	286	290.5	326	327	329	334.0	372	373	375	379.5	421	422	424	428.5	473	475	477	481.4	530	531	533	537.8
		Lo PR	125	127	130	134.7	132	134	137	141.9	139	140	143	148.3	144	146	149	153.7	149	151	154	158.9	156	157	160	165.5

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	600	MBh	24.3	24.6	25.4	26.5	24.1	24.4	25.1	26.3	23.4	23.8	24.5	25.6	22.3	22.7	23.4	24.5	21.0	21.3	22.1	23.2	19.8	20.1	20.8	22.0
		S/T	0.73	0.66	0.53	0.4	1.00	0.66	0.53	0.4	1.00	0.69	0.56	0.4	1.00	0.70	0.58	0.4	1.00	0.72	0.60	0.5	1.00	1.00	0.65	0.5
		ΔT	28.78	26.98	23.62	20.1	28.73	26.93	23.57	20.1	28.99	27.19	23.82	20.3	28.71	26.91	23.55	20.1	28.47	26.67	23.31	19.8	29.60	27.80	24.44	21.0
		kW	1.57	1.56	1.56	1.6	1.78	1.77	1.77	1.8	2.01	2.01	2.00	2.0	2.26	2.26	2.26	2.3	2.55	2.55	2.54	2.6	2.88	2.88	2.87	2.9
		Amps	6.12	6.12	6.10	6.2	7.04	7.03	7.01	7.1	8.06	8.05	8.03	8.1	9.16	9.15	9.14	9.2	10.39	10.39	10.37	10.4	11.84	11.83	11.82	11.9
		Hi PR	274	275	277	281.5	317	318	320	324.9	363	364	366	370.5	412	413	415	419.5	464	466	468	472.4	521	522	524	528.8
		Lo PR	118	120	123	127.6	125	127	130	134.9	132	133	136	141.2	137	138	142	146.6	142	144	147	151.9	149	150	153	158.5
	800	MBh	24.9	25.2	26.0	27.1	24.7	25.0	25.7	26.8	24.0	24.4	25.1	26.2	22.9	23.3	**24.0**	25.1	21.6	21.9	22.7	23.8	20.4	20.7	21.4	22.5
		S/T	0.87	0.80	0.67	0.5	1.00	0.81	0.68	0.5	1.00	0.83	0.70	0.6	1.00	0.85	**0.72**	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.79	0.7
		ΔT	26.32	24.52	21.16	17.7	26.27	24.47	21.11	17.6	26.53	24.73	21.37	17.9	26.26	24.46	**21.09**	17.6	26.02	24.22	20.85	17.4	27.14	25.34	21.98	18.5
		kW	1.59	1.59	1.58	1.6	1.80	1.80	1.79	1.8	2.03	2.03	2.03	2.0	2.29	2.29	**2.28**	2.3	2.57	2.57	2.57	2.6	2.90	2.90	2.90	2.9
		Amps	6.23	6.22	6.21	6.3	7.14	7.14	7.12	7.2	8.16	8.16	8.14	8.2	9.27	9.26	**9.24**	9.3	10.50	10.49	10.48	10.5	11.95	11.94	11.92	12.0
		Hi PR	278	280	282	286.4	322	323	325	329.9	367	369	371	375.4	417	418	**420**	424.4	469	471	472	477.3	526	527	529	533.7
		Lo PR	121	123	126	131.1	129	130	133	138.3	135	137	140	144.7	140	142	**145**	150.0	146	147	150	155.3	152	154	157	161.9
	1000	MBh	25.7	26.1	26.8	27.9	25.5	25.9	26.6	27.7	24.9	25.2	25.9	27.1	23.8	24.1	24.8	26.0	22.4	22.8	23.5	24.6	21.2	21.6	22.3	23.4
		S/T	1.00	0.84	0.71	0.6	1.00	0.85	0.72	0.6	1.00	0.87	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.83	0.7
		ΔT	24.60	22.80	19.43	16.0	24.55	22.75	19.39	15.9	24.80	23.00	19.64	16.2	24.53	22.73	19.37	15.9	24.29	22.49	19.13	15.6	25.42	23.61	20.25	16.8
		kW	1.61	1.61	1.60	1.6	1.82	1.82	1.81	1.8	2.05	2.05	2.05	2.1	2.31	2.30	2.30	2.3	2.59	2.59	2.58	2.6	2.92	2.92	2.92	2.9
		Amps	6.30	6.30	6.28	6.4	7.22	7.21	7.20	7.3	8.24	8.23	8.22	8.3	9.34	9.33	9.32	9.4	10.57	10.57	10.55	10.6	12.02	12.01	12.00	12.1
		Hi PR	283	284	286	291.0	327	328	330	334.5	372	373	375	380.0	421	422	424	429.0	474	475	477	481.9	530	532	534	538.3
		Lo PR	126	127	130	135.2	133	134	137	142.5	139	141	144	148.8	145	146	149	154.2	150	151	154	159.4	156	158	161	166.0
85	600	MBh	24.7	25.0	25.8	26.9	24.5	24.8	25.6	26.7	23.8	24.2	24.9	26.0	22.7	23.1	23.8	24.9	21.4	21.7	22.5	23.6	20.2	20.5	21.3	22.4
		S/T	1.00	0.75	0.62	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.6	1.00	1.00	0.74	0.6
		ΔT	32.32	30.52	27.15	23.7	32.27	30.47	27.11	23.6	32.52	30.72	27.36	23.9	32.25	30.45	27.09	23.6	32.01	30.21	26.85	23.4	33.14	31.34	27.97	24.5
		kW	1.57	1.57	1.56	1.6	1.78	1.78	1.77	1.8	2.01	2.01	2.01	2.0	2.27	2.27	2.26	2.3	2.55	2.55	2.55	2.6	2.88	2.88	2.88	2.9
		Amps	6.14	6.13	6.12	6.2	7.05	7.05	7.03	7.1	8.07	8.07	8.05	8.1	9.18	9.17	9.15	9.2	10.41	10.40	10.39	10.5	11.86	11.85	11.83	11.9
		Hi PR	275	276	278	282.8	318	320	321	326.2	364	365	367	371.8	413	414	416	420.8	466	467	469	473.6	522	523	525	530.1
		Lo PR	120	121	124	129.4	127	129	132	136.7	133	135	138	143.0	139	140	143	148.4	144	146	149	153.7	151	152	155	160.3
	800	MBh	25.3	25.6	26.4	27.5	25.1	25.4	26.1	27.3	24.4	24.8	25.5	26.6	23.3	23.7	24.4	25.5	22.0	22.3	23.1	24.2	20.8	21.1	21.8	23.0
		S/T	1.00	0.90	0.77	0.6	1.00	0.90	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.8
		ΔT	29.86	28.06	24.70	21.2	29.81	28.01	24.65	21.2	30.06	28.26	24.90	21.4	29.79	27.99	24.63	21.1	29.55	27.75	24.39	20.9	30.68	28.88	25.52	22.0
		kW	1.59	1.59	1.59	1.6	1.80	1.80	1.80	1.8	2.04	2.04	2.03	2.0	2.29	2.29	2.29	2.3	2.58	2.57	2.57	2.6	2.91	2.91	2.90	2.9
		Amps	6.25	6.24	6.22	6.3	7.16	7.15	7.14	7.2	8.18	8.17	8.16	8.2	9.28	9.28	9.26	9.3	10.52	10.51	10.49	10.6	11.96	11.96	11.94	12.0
		Hi PR	280	281	283	287.7	323	324	326	331.2	369	370	372	376.7	418	419	421	425.7	471	472	474	478.6	527	528	530	535.0
		Lo PR	123	125	128	132.8	131	132	135	140.1	137	138	141	146.4	142	144	147	151.8	148	149	152	157.1	154	156	159	163.7
	1000	MBh	26.1	26.5	27.2	28.3	25.9	26.3	27.0	28.1	25.3	25.6	26.4	27.5	24.2	24.5	25.3	26.4	22.8	23.2	23.9	25.0	21.6	22.0	22.7	23.8
		S/T	1.00	0.94	0.81	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8
		ΔT	28.13	26.33	22.97	19.5	28.08	26.28	22.92	19.4	28.33	26.53	23.17	19.7	28.06	26.26	22.90	19.4	27.82	26.02	22.66	19.2	28.95	27.15	23.79	20.3
		kW	1.61	1.61	1.61	1.6	1.82	1.82	1.82	1.8	2.06	2.05	2.05	2.1	2.31	2.31	2.30	2.3	2.59	2.59	2.59	2.6	2.93	2.92	2.92	2.9
		Amps	6.32	6.31	6.30	6.4	7.24	7.23	7.21	7.3	8.26	8.25	8.23	8.3	9.36	9.35	9.34	9.4	10.59	10.59	10.57	10.6	12.04	12.03	12.02	12.1
		Hi PR	284	286	288	292.3	328	329	331	335.8	373	375	377	381.3	422	424	426	430.3	475	476	478	483.2	532	533	535	539.6
		Lo PR	127	129	132	137.0	135	136	139	144.2	141	142	146	150.6	146	148	151	156.0	152	153	156	161.2	158	160	163	167.8

DB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	800	MBh	28.4	28.8	29.7	-	28.1	28.5	29.4	-	27.4	27.8	28.7	-	26.1	26.5	27.4	-	24.5	24.9	25.8	-	23.1	23.5	24.4	-
		S/T	0.56	0.48	0.33	-	0.57	0.48	0.34	-	0.59	0.51	0.37	-	1.00	0.53	0.39	-	1.00	0.56	0.41	-	1.00	0.61	0.47	-
		ΔT	19.71	17.99	14.79	-	19.66	17.94	14.74	-	19.90	18.18	14.98	-	19.64	17.93	14.72	-	19.41	17.70	14.50	-	20.49	18.77	15.57	-
		kW	1.86	1.85	1.85	-	2.10	2.10	2.09	-	2.37	2.37	2.36	-	2.66	2.66	2.66	-	2.99	2.99	2.98	-	3.37	3.37	3.37	-
		Amps	6.99	6.98	6.96	-	8.05	8.04	8.02	-	9.22	9.21	9.20	-	10.50	10.49	10.47	-	11.92	11.91	11.89	-	13.59	13.58	13.56	-
		Hi PR	279	281	283	-	324	325	327	-	371	372	374	-	421	422	424	-	475	476	478	-	533	534	536	-
		Lo PR	127	128	132	-	135	136	139	-	141	143	146	-	147	149	152	-	153	154	158	-	160	162	165	-
	1050	MBh	29.1	29.5	30.3	-	28.8	29.2	30.1	-	28.1	28.5	29.3	-	26.8	27.2	28.0	-	25.2	25.6	26.5	-	23.8	24.2	25.0	-
		S/T	0.71	0.63	0.48	-	0.72	0.64	0.49	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.71	0.56	-	1.00	1.00	0.62	-
		ΔT	17.50	15.79	12.59	-	17.46	15.74	12.54	-	17.70	15.98	12.78	-	17.44	15.73	12.52	-	17.21	15.50	12.30	-	18.28	16.57	13.37	-
		kW	1.88	1.88	1.88	-	2.13	2.12	2.12	-	2.40	2.39	2.39	-	2.69	2.69	2.68	-	3.02	3.01	3.01	-	3.40	3.40	3.39	-
		Amps	7.11	7.10	7.08	-	8.16	8.15	8.14	-	9.34	9.33	9.31	-	10.61	10.60	10.59	-	12.03	12.03	12.01	-	13.70	13.69	13.68	-
		Hi PR	284	285	287	-	329	330	332	-	375	377	379	-	426	427	429	-	480	481	483	-	537	539	541	-
		Lo PR	130	132	135	-	138	140	143	-	145	146	150	-	151	152	156	-	156	158	161	-	163	165	168	-
	1300	MBh	30.0	30.4	31.3	-	29.8	30.2	31.0	-	29.0	29.4	30.3	-	27.7	28.1	29.0	-	26.1	26.5	27.4	-	24.7	25.1	26.0	-
		S/T	0.76	0.68	0.53	-	0.77	0.68	0.54	-	1.00	0.71	0.57	-	1.00	0.73	0.59	-	1.00	0.76	0.61	-	1.00	1.00	0.67	-
		ΔT	15.93	14.22	11.01	-	15.88	14.17	10.97	-	16.12	14.41	11.21	-	15.87	14.15	10.95	-	15.64	13.92	10.72	-	16.71	15.00	11.79	-
		kW	1.90	1.90	1.90	-	2.14	2.14	2.14	-	2.41	2.41	2.41	-	2.71	2.71	2.70	-	3.03	3.03	3.03	-	3.42	3.42	3.41	-
		Amps	7.19	7.18	7.16	-	8.24	8.24	8.22	-	9.42	9.41	9.39	-	10.69	10.69	10.67	-	12.12	12.11	12.09	-	13.79	13.78	13.76	-
		Hi PR	289	290	292	-	333	334	336	-	380	381	383	-	430	431	433	-	484	485	487	-	542	543	545	-
		Lo PR	134	136	139	-	142	144	147	-	149	151	154	-	155	156	160	-	161	162	165	-	168	169	173	-
75	800	MBh	28.4	28.8	29.7	31.0	28.2	28.6	29.4	30.7	27.4	27.8	28.7	30.0	26.1	26.5	27.4	28.7	24.5	25.0	25.8	27.1	23.1	23.5	24.4	25.7
		S/T	0.70	0.62	0.47	0.3	1.00	0.62	0.48	0.3	1.00	0.65	0.50	0.4	1.00	0.67	0.52	0.4	1.00	0.69	0.55	0.4	1.00	1.00	0.60	0.5
		ΔT	23.48	21.76	18.56	15.2	23.43	21.71	18.51	15.2	23.67	21.95	18.75	15.4	23.41	21.70	18.49	15.2	23.18	21.47	18.27	14.9	24.26	22.54	19.34	16.0
		kW	1.85	1.85	1.85	1.9	2.10	2.09	2.09	2.1	2.37	2.37	2.36	2.4	2.66	2.66	2.65	2.7	2.99	2.99	2.98	3.0	3.37	3.37	3.37	3.4
		Amps	6.98	6.98	6.96	7.0	8.04	8.03	8.01	8.1	9.21	9.21	9.19	9.3	10.49	10.48	10.46	10.5	11.91	11.90	11.88	12.0	13.58	13.57	13.55	13.6
		Hi PR	280	281	283	287.9	324	325	327	332.3	371	372	374	378.9	421	422	424	429.1	475	476	478	483.2	533	534	536	540.9
		Lo PR	127	128	132	137.1	135	136	139	144.9	141	143	146	151.7	147	149	152	157.5	153	154	158	163.2	160	162	165	170.3
	1050	MBh	29.1	29.5	30.3	31.7	28.8	29.2	30.1	31.4	28.1	28.5	29.3	30.6	26.8	**27.2**	28.1	29.4	25.2	25.6	26.5	27.8	23.8	24.2	25.0	26.3
		S/T	0.85	0.77	0.62	0.5	1.00	0.77	0.63	0.5	1.00	0.80	0.66	0.5	1.00	**0.82**	0.68	0.5	1.00	1.00	0.70	0.5	1.00	1.00	0.75	0.6
		ΔT	21.27	19.56	16.36	13.0	21.23	19.51	16.31	13.0	21.47	19.75	16.55	13.2	21.21	**19.50**	16.29	13.0	20.98	19.27	16.07	12.7	22.05	20.34	17.14	13.8
		kW	1.88	1.88	1.88	1.9	2.12	2.12	2.12	2.1	2.39	2.39	2.39	2.4	2.69	**2.69**	2.68	2.7	3.01	3.01	3.01	3.0	3.40	3.40	3.39	3.4
		Amps	7.10	7.09	7.07	7.2	8.15	8.15	8.13	8.2	9.33	9.32	9.30	9.4	10.60	**10.60**	10.58	10.7	12.03	12.02	12.00	12.1	13.70	13.69	13.67	13.8
		Hi PR	285	286	288	292.6	329	330	332	337.1	376	377	379	383.7	426	**427**	429	433.9	480	481	483	488.0	538	539	541	545.7
		Lo PR	130	132	135	140.6	138	140	143	148.4	145	147	150	155.2	151	**152**	156	161.0	156	158	161	166.7	163	165	168	173.8
	1300	MBh	30.0	30.4	31.3	32.6	29.8	30.2	31.0	32.3	29.0	29.4	30.3	31.6	27.7	28.1	29.0	30.3	26.2	26.6	27.4	28.7	24.7	25.1	26.0	27.3
		S/T	1.00	0.82	0.67	0.5	1.00	0.82	0.68	0.5	1.00	0.85	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.80	0.7
		ΔT	19.70	17.99	14.78	11.5	19.65	17.94	14.74	11.4	19.89	18.18	14.98	11.7	19.64	17.92	14.72	11.4	19.41	17.69	14.49	11.2	20.48	18.77	15.56	12.2
		kW	1.90	1.90	1.89	1.9	2.14	2.14	2.14	2.2	2.41	2.41	2.41	2.4	2.71	2.70	2.70	2.7	3.03	3.03	3.03	3.0	3.42	3.42	3.41	3.4
		Amps	7.18	7.17	7.16	7.2	8.24	8.23	8.21	8.3	9.41	9.41	9.39	9.5	10.69	10.68	10.66	10.7	12.11	12.10	12.08	12.2	13.78	13.77	13.75	13.8
		Hi PR	289	290	292	297.1	333	335	337	341.6	380	381	383	388.2	430	431	433	438.4	484	486	488	492.5	542	543	545	550.2
		Lo PR	134	136	139	144.8	142	144	147	152.6	149	151	154	159.5	155	157	160	165.2	161	162	165	170.9	168	169	173	178.0

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	800	MBh	28.6	29.0	29.8	31.1	28.3	28.7	29.6	30.9	27.6	28.0	28.8	30.1	26.3	26.7	27.5	28.8	24.7	25.1	26.0	27.3	23.3	23.7	24.5	25.8
		S/T	1.00	0.75	0.60	0.5	1.00	0.76	0.61	0.5	1.00	0.78	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.74	0.6
		ΔT	27.27	25.56	22.35	19.0	27.22	25.51	22.31	19.0	27.47	25.75	22.55	19.2	27.21	25.49	22.29	19.0	26.98	25.26	22.06	18.7	28.05	26.34	23.13	19.8
		kW	1.86	1.85	1.85	1.9	2.10	2.10	2.09	2.1	2.37	2.37	2.36	2.4	2.66	2.66	2.66	2.7	2.99	2.99	2.98	3.0	3.37	3.37	3.37	3.4
		Amps	6.99	6.98	6.96	7.0	8.04	8.04	8.02	8.1	9.22	9.21	9.19	9.3	10.49	10.49	10.47	10.5	11.92	11.91	11.89	12.0	13.59	13.58	13.56	13.6
		Hi PR	280	281	283	288.4	325	326	328	332.9	371	373	375	379.5	422	423	425	429.6	476	477	479	483.7	533	535	537	541.5
		Lo PR	127	129	132	137.6	135	137	140	145.4	142	144	147	152.3	148	149	153	158.1	153	155	158	163.7	161	162	165	170.8
	1050	MBh	29.2	29.6	30.5	31.8	29.0	29.4	30.2	31.5	28.2	28.6	29.5	30.8	26.9	27.3	**28.2**	29.5	25.4	25.8	26.6	27.9	23.9	24.3	25.2	26.5
		S/T	1.00	0.90	0.76	0.6	1.00	0.91	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	**0.81**	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7
		ΔT	25.07	23.36	20.15	16.8	25.02	23.31	20.11	16.8	25.26	23.55	20.35	17.0	25.01	23.29	**20.09**	16.8	24.78	23.06	19.86	16.5	25.85	24.14	20.93	17.6
		kW	1.88	1.88	1.88	1.9	2.12	2.12	2.12	2.1	2.40	2.39	2.39	2.4	2.69	2.69	**2.68**	2.7	3.02	3.01	3.01	3.0	3.40	3.40	3.39	3.4
		Amps	7.11	7.10	7.08	7.2	8.16	8.15	8.13	8.2	9.34	9.33	9.31	9.4	10.61	10.60	**10.58**	10.7	12.03	12.02	12.01	12.1	13.70	13.69	13.68	13.8
		Hi PR	285	286	288	293.2	330	331	333	337.6	376	377	379	384.2	426	428	**430**	434.4	480	482	484	488.5	538	539	541	546.3
		Lo PR	131	132	136	141.2	139	140	143	149.0	145	147	150	155.8	151	153	**156**	161.6	157	159	162	167.3	164	166	169	174.4
	1300	MBh	30.2	30.6	31.4	32.7	29.9	30.3	31.2	32.5	29.2	29.6	30.4	31.7	27.9	28.3	29.1	30.4	26.3	26.7	27.6	28.9	24.9	25.3	26.1	27.4
		S/T	1.00	0.95	0.80	0.7	1.00	0.96	0.81	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8
		ΔT	23.50	21.78	18.58	15.3	23.45	21.73	18.53	15.2	23.69	21.98	18.77	15.5	23.43	21.72	18.52	15.2	23.20	21.49	18.29	15.0	24.28	22.56	19.36	16.0
		kW	1.90	1.90	1.90	1.9	2.14	2.14	2.14	2.2	2.41	2.41	2.41	2.4	2.71	2.71	2.70	2.7	3.03	3.03	3.03	3.0	3.42	3.42	3.41	3.4
		Amps	7.19	7.18	7.16	7.2	8.24	8.23	8.22	8.3	9.42	9.41	9.39	9.5	10.69	10.68	10.67	10.7	12.12	12.11	12.09	12.2	13.78	13.78	13.76	13.8
		Hi PR	290	291	293	297.6	334	335	337	342.1	381	382	384	388.7	431	432	434	438.9	485	486	488	493.0	543	544	546	550.7
		Lo PR	135	137	140	145.4	143	144	148	153.2	150	151	155	160.0	155	157	160	165.8	161	163	166	171.5	168	170	173	178.6
85	800	MBh	29.0	29.5	30.3	31.6	28.8	29.2	30.1	31.4	28.0	28.4	29.3	30.6	26.8	27.2	28.0	29.3	25.2	25.6	26.4	27.7	23.7	24.1	25.0	26.3
		S/T	1.00	0.86	0.71	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.7
		ΔT	30.64	28.92	25.72	22.4	30.59	28.88	25.67	22.4	30.83	29.12	25.92	22.6	30.57	28.86	25.66	22.3	30.34	28.63	25.43	22.1	31.42	29.70	26.50	23.2
		kW	1.86	1.86	1.85	1.9	2.10	2.10	2.10	2.1	2.37	2.37	2.37	2.4	2.67	2.66	2.66	2.7	2.99	2.99	2.99	3.0	3.38	3.38	3.37	3.4
		Amps	7.01	7.00	6.98	7.1	8.06	8.06	8.04	8.1	9.24	9.23	9.21	9.3	10.51	10.51	10.49	10.6	11.94	11.93	11.91	12.0	13.61	13.60	13.58	13.7
		Hi PR	282	283	285	289.7	326	327	329	334.2	373	374	376	380.8	423	424	426	431.0	477	478	480	485.1	535	536	538	542.8
		Lo PR	129	131	134	139.6	137	139	142	147.4	144	145	149	154.2	150	151	155	160.0	155	157	160	165.7	162	164	167	172.8
	1050	MBh	29.7	30.1	31.0	32.3	29.5	29.9	30.7	32.0	28.7	29.1	30.0	31.3	27.4	27.8	28.7	30.0	25.8	26.3	27.1	28.4	24.4	24.8	25.7	27.0
		S/T	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	28.44	26.72	23.52	20.2	28.39	26.68	23.47	20.2	28.63	26.92	23.71	20.4	28.37	26.66	23.46	20.1	28.14	26.43	23.23	19.9	29.22	27.50	24.30	21.0
		kW	1.89	1.89	1.88	1.9	2.13	2.13	2.12	2.1	2.40	2.40	2.39	2.4	2.69	2.69	2.69	2.7	3.02	3.02	3.01	3.0	3.40	3.40	3.40	3.4
		Amps	7.13	7.12	7.10	7.2	8.18	8.17	8.15	8.2	9.36	9.35	9.33	9.4	10.63	10.62	10.60	10.7	12.05	12.04	12.03	12.1	13.72	13.71	13.70	13.8
		Hi PR	286	288	290	294.5	331	332	334	339.0	377	379	381	385.6	428	429	431	435.7	482	483	485	489.8	539	541	543	547.6
		Lo PR	133	134	138	143.1	141	142	145	150.9	147	149	152	157.7	153	155	158	163.5	159	160	164	169.2	166	168	171	176.3
	1300	MBh	30.7	31.1	31.9	33.2	30.4	30.8	31.7	33.0	29.7	30.1	30.9	32.2	28.4	28.8	29.6	30.9	26.8	27.2	28.0	29.4	25.3	25.8	26.6	27.9
		S/T	1.00	1.00	0.91	0.8	1.00	1.00	0.92	0.8	1.00	1.00	0.95	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	1.0
		ΔT	26.86	25.15	21.95	18.6	26.82	25.10	21.90	18.6	27.06	25.34	22.14	18.8	26.80	25.08	21.88	18.6	26.57	24.85	21.65	18.3	27.64	25.93	22.73	19.4
		kW	1.91	1.90	1.90	1.9	2.15	2.15	2.14	2.2	2.42	2.42	2.41	2.4	2.71	2.71	2.71	2.7	3.04	3.04	3.03	3.1	3.42	3.42	3.42	3.4
		Amps	7.21	7.20	7.18	7.3	8.26	8.25	8.24	8.3	9.44	9.43	9.41	9.5	10.71	10.70	10.69	10.8	12.14	12.13	12.11	12.2	13.80	13.80	13.78	13.9
		Hi PR	291	292	294	299.0	335	337	339	343.4	382	383	385	390.0	432	433	435	440.2	486	487	489	494.3	544	545	547	552.1
		Lo PR	137	139	142	147.3	145	146	150	155.1	152	153	156	162.0	157	159	162	167.7	163	165	168	173.4	170	172	175	180.5

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1000	MBh	36.4	36.9	38.0	-	36.1	36.6	37.7	-	35.1	35.7	36.8	-	33.5	34.0	35.1	-	31.5	32.0	33.1	-	29.7	30.2	31.3	-
		S/T	0.56	0.48	0.35	-	0.57	0.49	0.36	-	0.59	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.56	0.42	-	1.00	0.61	0.47	-
		ΔT	21.02	19.14	15.61	-	20.97	19.08	15.56	-	21.24	19.35	15.83	-	20.95	19.06	15.54	-	20.70	18.81	15.29	-	21.88	19.99	16.47	-
		kW	2.42	2.41	2.41	-	2.71	2.71	2.71	-	3.05	3.04	3.04	-	3.41	3.40	3.40	-	3.81	3.81	3.80	-	4.28	4.28	4.27	-
		Amps	9.17	9.16	9.14	-	10.47	10.46	10.44	-	11.91	11.90	11.88	-	13.48	13.47	13.45	-	15.23	15.22	15.19	-	17.28	17.27	17.24	-
		Hi PR	282	283	285	-	326	327	329	-	373	374	376	-	423	424	426	-	477	479	481	-	535	537	539	-
		Lo PR	126	128	131	-	134	136	139	-	141	142	146	-	146	148	151	-	152	154	157	-	159	161	164	-
	1225	MBh	37.1	37.6	38.7	-	36.8	37.3	38.4	-	35.8	36.3	37.4	-	34.2	34.7	35.8	-	32.2	32.7	33.8	-	30.3	30.8	31.9	-
		S/T	0.66	0.58	0.45	-	0.66	0.59	0.45	-	1.00	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.65	0.52	-	1.00	0.71	0.57	-
		ΔT	19.26	17.37	13.85	-	19.20	17.32	13.80	-	19.47	17.58	14.06	-	19.18	17.30	13.78	-	18.93	17.05	13.52	-	20.11	18.23	14.71	-
		kW	2.44	2.44	2.43	-	2.74	2.74	2.73	-	3.07	3.07	3.06	-	3.43	3.43	3.42	-	3.83	3.83	3.83	-	4.30	4.30	4.30	-
		Amps	9.28	9.27	9.24	-	10.57	10.56	10.54	-	12.02	12.01	11.99	-	13.58	13.57	13.55	-	15.33	15.32	15.30	-	17.38	17.37	17.35	-
		Hi PR	285	286	288	-	330	331	333	-	376	378	380	-	427	428	430	-	481	482	484	-	539	540	542	-
		Lo PR	129	131	134	-	137	138	142	-	143	145	148	-	149	151	154	-	155	156	160	-	162	163	167	-
	1500	MBh	38.2	38.7	39.8	-	37.9	38.4	39.5	-	36.9	37.5	38.6	-	35.3	35.8	36.9	-	33.3	33.8	34.9	-	31.5	32.0	33.1	-
		S/T	0.70	0.63	0.49	-	0.71	0.63	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	1.00	0.62	-
		ΔT	17.61	15.73	12.20	-	17.56	15.67	12.15	-	17.83	15.94	12.42	-	17.54	15.66	12.13	-	17.29	15.40	11.88	-	18.47	16.58	13.06	-
		kW	2.46	2.46	2.46	-	2.76	2.76	2.75	-	3.09	3.09	3.09	-	3.45	3.45	3.45	-	3.86	3.85	3.85	-	4.33	4.32	4.32	-
		Amps	9.37	9.36	9.34	-	10.67	10.66	10.64	-	12.11	12.10	12.08	-	13.68	13.67	13.65	-	15.43	15.42	15.39	-	17.48	17.47	17.45	-
		Hi PR	289	291	293	-	334	335	337	-	381	382	384	-	431	432	434	-	485	487	489	-	543	544	546	-
		Lo PR	133	134	138	-	141	142	145	-	147	149	152	-	153	155	158	-	159	160	164	-	166	167	171	-
75	1000	MBh	36.4	37.0	38.1	39.7	36.1	36.6	37.7	39.4	35.2	35.7	36.8	38.4	33.5	34.0	35.1	36.8	31.5	32.0	33.1	34.8	29.7	30.2	31.3	33.0
		S/T	0.69	0.61	0.48	0.3	1.00	0.62	0.48	0.3	1.00	0.64	0.51	0.4	1.00	0.66	0.53	0.4	1.00	0.68	0.55	0.4	1.00	1.00	0.60	0.5
		ΔT	25.17	23.28	19.76	16.1	25.12	23.23	19.71	16.1	25.38	23.50	19.97	16.3	25.10	23.21	19.69	16.0	24.85	22.96	19.44	15.8	26.03	24.14	20.62	17.0
		kW	2.41	2.41	2.41	2.4	2.71	2.71	2.71	2.7	3.05	3.04	3.04	3.1	3.41	3.40	3.40	3.4	3.81	3.80	3.80	3.8	4.28	4.28	4.27	4.3
		Amps	9.16	9.15	9.13	9.2	10.46	10.45	10.43	10.5	11.90	11.89	11.87	12.0	13.47	13.46	13.44	13.5	15.22	15.21	15.19	15.3	17.27	17.26	17.24	17.3
		Hi PR	282	283	285	289.9	326	328	330	334.5	373	374	376	381.3	423	425	427	431.6	478	479	481	485.9	536	537	539	543.8
		Lo PR	126	128	131	136.5	134	136	139	144.2	141	142	146	151.0	147	148	151	156.7	152	154	157	162.4	159	161	164	169.4
	1225	MBh	37.1	37.6	38.7	40.4	36.8	37.3	38.4	40.1	35.8	36.4	37.5	39.1	34.2	**34.7**	35.8	37.5	32.2	32.7	33.8	35.5	30.4	30.9	32.0	33.6
		S/T	0.79	0.71	0.58	0.4	1.00	0.72	0.58	0.4	1.00	0.74	0.61	0.5	1.00	**0.76**	0.63	0.5	1.00	1.00	0.65	0.5	1.00	1.00	0.70	0.6
		ΔT	23.40	21.52	17.99	14.3	23.35	21.46	17.94	14.3	23.62	21.73	18.21	14.6	23.33	**21.45**	17.92	14.3	23.08	21.19	17.67	14.0	24.26	22.37	18.85	15.2
		kW	2.44	2.44	2.43	2.5	2.74	2.73	2.73	2.8	3.07	3.07	3.06	3.1	3.43	**3.43**	3.42	3.4	3.83	3.83	3.82	3.8	4.30	4.30	4.30	4.3
		Amps	9.27	9.26	9.24	9.3	10.56	10.55	10.53	10.6	12.01	12.00	11.98	12.1	13.57	**13.56**	13.54	13.6	15.32	15.31	15.29	15.4	17.37	17.36	17.34	17.4
		Hi PR	285	287	289	293.5	330	331	333	338.2	377	378	380	384.9	427	**428**	430	435.2	481	483	485	489.5	539	540	542	547.4
		Lo PR	129	131	134	139.2	137	138	142	146.9	144	145	148	153.7	149	**151**	154	159.4	155	156	160	165.1	162	163	167	172.1
	1500	MBh	38.2	38.8	39.9	41.5	37.9	38.4	39.5	41.2	37.0	37.5	38.6	40.2	35.3	35.8	36.9	38.6	33.3	33.8	34.9	36.6	31.5	32.0	33.1	34.8
		S/T	0.83	0.75	0.62	0.5	1.00	0.76	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.6	1.00	1.00	0.74	0.6
		ΔT	21.76	19.87	16.35	12.7	21.71	19.82	16.30	12.7	21.97	20.09	16.57	12.9	21.69	19.80	16.28	12.6	21.44	19.55	16.03	12.4	22.62	20.73	17.21	13.6
		kW	2.46	2.46	2.45	2.5	2.76	2.76	2.75	2.8	3.09	3.09	3.08	3.1	3.45	3.45	3.44	3.5	3.85	3.85	3.85	3.9	4.32	4.32	4.32	4.3
		Amps	9.36	9.35	9.33	9.4	10.66	10.65	10.63	10.7	12.11	12.10	12.07	12.2	13.67	13.66	13.64	13.7	15.42	15.41	15.39	15.5	17.47	17.46	17.44	17.5
		Hi PR	290	291	293	297.8	334	335	337	342.4	381	382	384	389.1	431	433	435	439.4	486	487	489	493.7	543	545	547	551.6
		Lo PR	133	134	138	143.1	141	142	145	150.9	147	149	152	157.6	153	155	158	163.4	159	160	164	169.0	166	167	171	176.0

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1000	MBh	36.6	37.2	38.2	39.9	36.3	36.8	37.9	39.6	35.4	35.9	37.0	38.6	33.7	34.2	35.3	37.0	31.7	32.2	33.3	35.0	29.9	30.4	31.5	33.1
		S/T	1.00	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	1.00	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.73	0.6
		ΔT	29.34	27.46	23.94	20.3	29.29	27.41	23.88	20.2	29.56	27.67	24.15	20.5	29.27	27.39	23.87	20.2	29.02	27.14	23.61	20.0	30.20	28.32	24.79	21.1
		kW	2.42	2.41	2.41	2.4	2.71	2.71	2.71	2.7	3.05	3.04	3.04	3.1	3.41	3.40	3.40	3.4	3.81	3.81	3.80	3.8	4.28	4.28	4.27	4.3
		Amps	9.17	9.16	9.14	9.2	10.47	10.46	10.43	10.5	11.91	11.90	11.88	12.0	13.48	13.47	13.44	13.5	15.22	15.21	15.19	15.3	17.28	17.27	17.24	17.3
		Hi PR	282	284	286	290.4	327	328	330	335.1	374	375	377	381.8	424	425	427	432.1	478	479	481	486.4	536	537	539	544.3
		Lo PR	127	128	132	137.1	135	136	139	144.8	141	143	146	151.6	147	149	152	157.3	153	154	158	162.9	160	161	165	170.0
	1225	MBh	37.3	37.8	38.9	40.6	37.0	37.5	38.6	40.3	36.0	36.6	37.6	39.3	34.4	34.9	**36.0**	37.7	32.4	32.9	34.0	35.7	30.5	31.1	32.2	33.8
		S/T	1.00	0.83	0.70	0.6	1.00	0.84	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	**0.75**	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7
		ΔT	27.58	25.69	22.17	18.5	27.53	25.64	22.12	18.5	27.79	25.90	22.38	18.7	27.51	25.62	**22.10**	18.5	27.25	25.37	21.85	18.2	28.44	26.55	23.03	19.4
		kW	2.44	2.44	2.43	2.5	2.74	2.74	2.73	2.8	3.07	3.07	3.06	3.1	3.43	3.43	**3.42**	3.4	3.83	3.83	3.83	3.8	4.30	4.30	4.30	4.3
		Amps	9.28	9.26	9.24	9.3	10.57	10.56	10.54	10.6	12.02	12.01	11.98	12.1	13.58	13.57	**13.55**	13.6	15.33	15.32	15.30	15.4	17.38	17.37	17.35	17.4
		Hi PR	286	287	289	294.1	331	332	334	338.7	377	378	380	385.4	428	429	**431**	435.7	482	483	485	490.0	540	541	543	547.9
		Lo PR	130	131	134	139.8	137	139	142	147.5	144	146	149	154.3	150	151	**155**	160.0	155	157	160	165.6	162	164	167	172.7
	1500	MBh	38.4	39.0	40.0	41.7	38.1	38.6	39.7	41.4	37.2	37.7	38.8	40.4	35.5	36.0	37.1	38.8	33.5	34.0	35.1	36.8	31.7	32.2	33.3	34.9
		S/T	1.00	0.88	0.74	0.6	1.00	0.88	0.75	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.82	0.7	1.00	1.00	1.00	0.7
		ΔT	25.93	24.05	20.53	16.9	25.88	24.00	20.48	16.8	26.15	24.26	20.74	17.1	25.86	23.98	20.46	16.8	25.61	23.73	20.20	16.6	26.79	24.91	21.39	17.7
		kW	2.46	2.46	2.45	2.5	2.76	2.76	2.75	2.8	3.09	3.09	3.09	3.1	3.45	3.45	3.45	3.5	3.85	3.85	3.85	3.9	4.33	4.32	4.32	4.3
		Amps	9.37	9.36	9.34	9.4	10.67	10.66	10.63	10.7	12.11	12.10	12.08	12.2	13.68	13.67	13.64	13.7	15.42	15.41	15.39	15.5	17.48	17.47	17.44	17.5
		Hi PR	290	291	293	298.3	335	336	338	342.9	381	383	385	389.6	432	433	435	440.0	486	487	489	494.2	544	545	547	552.1
		Lo PR	133	135	138	143.7	141	143	146	151.4	148	150	153	158.2	154	155	159	163.9	159	161	164	169.5	166	168	171	176.6
85	1000	MBh	37.3	37.8	38.9	40.5	36.9	37.4	38.5	40.2	36.0	36.5	37.6	39.3	34.3	34.8	35.9	37.6	32.3	32.8	33.9	35.6	30.5	31.0	32.1	33.8
		S/T	1.00	0.84	0.70	0.6	1.00	1.00	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.7
		ΔT	33.05	31.16	27.64	24.0	33.00	31.11	27.59	23.9	33.26	31.37	27.85	24.2	32.98	31.09	27.57	23.9	32.72	30.84	27.32	23.7	33.91	32.02	28.50	24.8
		kW	2.42	2.42	2.41	2.4	2.72	2.72	2.71	2.7	3.05	3.05	3.04	3.1	3.41	3.41	3.40	3.4	3.81	3.81	3.81	3.8	4.29	4.28	4.28	4.3
		Amps	9.20	9.19	9.16	9.3	10.49	10.48	10.46	10.6	11.94	11.93	11.90	12.0	13.50	13.49	13.47	13.6	15.25	15.24	15.22	15.3	17.30	17.29	17.27	17.4
		Hi PR	284	285	287	291.8	328	329	331	336.4	375	376	378	383.1	425	427	429	433.5	480	481	483	487.7	537	539	541	545.6
		Lo PR	129	130	134	139.0	136	138	141	146.7	143	145	148	153.5	149	151	154	159.2	155	156	159	164.8	162	163	166	171.9
	1225	MBh	37.9	38.5	39.5	41.2	37.6	38.1	39.2	40.9	36.7	37.2	38.3	39.9	35.0	35.5	36.6	38.3	33.0	33.5	34.6	36.3	31.2	31.7	32.8	34.4
		S/T	1.00	0.93	0.80	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	31.28	29.39	25.87	22.2	31.23	29.34	25.82	22.2	31.49	29.61	26.09	22.4	31.21	29.32	25.80	22.2	30.96	29.07	25.55	21.9	32.14	30.25	26.73	23.1
		kW	2.45	2.44	2.44	2.5	2.74	2.74	2.74	2.8	3.08	3.07	3.07	3.1	3.44	3.43	3.43	3.5	3.84	3.84	3.83	3.9	4.31	4.31	4.30	4.3
		Amps	9.30	9.29	9.27	9.4	10.60	10.58	10.56	10.7	12.04	12.03	12.01	12.1	13.61	13.60	13.57	13.7	15.35	15.34	15.32	15.4	17.40	17.39	17.37	17.5
		Hi PR	287	288	290	295.4	332	333	335	340.0	379	380	382	386.7	429	430	432	437.1	483	484	486	491.3	541	542	544	549.2
		Lo PR	131	133	136	141.7	139	141	144	149.4	146	148	151	156.2	152	153	157	161.9	157	159	162	167.5	164	166	169	174.6
	1500	MBh	39.1	39.6	40.7	42.3	38.7	39.2	40.3	42.0	37.8	38.3	39.4	41.1	36.1	36.6	37.7	39.4	34.1	34.6	35.7	37.4	32.3	32.8	33.9	35.6
		S/T	1.00	1.00	0.84	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	29.64	27.75	24.23	20.6	29.59	27.70	24.18	20.5	29.85	27.97	24.44	20.8	29.57	27.68	24.16	20.5	29.32	27.43	23.91	20.3	30.50	28.61	25.09	21.4
		kW	2.47	2.47	2.46	2.5	2.77	2.76	2.76	2.8	3.10	3.10	3.09	3.1	3.46	3.46	3.45	3.5	3.86	3.86	3.85	3.9	4.33	4.33	4.32	4.3
		Amps	9.40	9.39	9.36	9.5	10.69	10.68	10.66	10.8	12.14	12.13	12.10	12.2	13.70	13.69	13.67	13.8	15.45	15.44	15.42	15.5	17.50	17.49	17.47	17.6
		Hi PR	291	293	295	299.6	336	337	339	344.2	383	384	386	391.0	433	434	436	441.3	487	489	491	495.6	545	547	549	553.5
		Lo PR	135	137	140	145.6	143	145	148	153.3	150	151	155	160.1	156	157	160	165.8	161	163	166	171.5	168	170	173	178.5

IDB: Entering Indoor Dry Bulb Temperature

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

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

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1000	MBh	39.4	40.0	41.2	-	39.1	39.6	40.8	-	38.0	38.6	39.8	-	36.2	36.8	38.0	-	34.1	34.6	35.8	-	32.1	32.6	33.8	-
		S/T	0.55	0.47	0.34	-	0.55	0.48	0.35	-	1.00	0.50	0.37	-	1.00	0.52	0.39	-	1.00	0.54	0.41	-	1.00	1.00	0.46	-
		ΔT	21.21	19.32	15.80	-	21.16	19.27	15.75	-	21.42	19.54	16.02	-	21.14	19.25	15.73	-	20.89	19.00	15.48	-	22.07	20.18	16.66	-
		kW	2.60	2.60	2.59	-	2.93	2.92	2.92	-	3.29	3.29	3.28	-	3.69	3.69	3.68	-	4.13	4.13	4.12	-	4.65	4.65	4.64	-
		Amps	9.98	9.97	9.95	-	11.41	11.39	11.37	-	12.99	12.98	12.96	-	14.71	14.70	14.68	-	16.64	16.62	16.60	-	18.89	18.88	18.85	-
		Hi PR	287	288	290	-	332	333	335	-	380	381	383	-	431	432	434	-	486	488	490	-	545	547	549	-
		Lo PR	128	130	133	-	136	138	141	-	143	145	148	-	149	151	154	-	155	156	160	-	162	164	167	-
	1250	MBh	40.2	40.8	41.9	-	39.8	40.4	41.6	-	38.8	39.4	40.6	-	37.0	37.6	38.8	-	34.8	35.4	36.6	-	32.9	33.4	34.6	-
		S/T	0.66	0.58	0.45	-	0.66	0.59	0.45	-	1.00	0.61	0.48	-	1.00	0.63	0.50	-	1.00	0.65	0.52	-	1.00	1.00	0.57	-
		ΔT	19.26	17.37	13.85	-	19.20	17.32	13.80	-	19.47	17.58	14.06	-	19.18	17.30	13.78	-	18.93	17.05	13.52	-	20.11	18.23	14.71	-
		kW	2.63	2.63	2.62	-	2.96	2.95	2.95	-	3.32	3.32	3.31	-	3.72	3.71	3.71	-	4.16	4.16	4.15	-	4.68	4.68	4.67	-
		Amps	10.11	10.10	10.07	-	11.53	11.52	11.50	-	13.12	13.11	13.09	-	14.84	14.83	14.81	-	16.76	16.75	16.73	-	19.02	19.00	18.98	-
		Hi PR	291	292	294	-	336	337	339	-	384	385	387	-	435	436	438	-	490	492	494	-	549	551	553	-
		Lo PR	131	133	136	-	139	141	144	-	146	148	151	-	152	154	157	-	158	159	163	-	165	167	170	-
	1500	MBh	41.3	41.8	43.0	-	40.9	41.5	42.7	-	39.9	40.4	41.6	-	38.1	38.6	39.8	-	35.9	36.5	37.7	-	33.9	34.5	35.7	-
		S/T	0.70	0.63	0.49	-	0.71	0.63	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	1.00	0.61	-
		ΔT	17.78	15.89	12.37	-	17.72	15.84	12.32	-	17.99	16.10	12.58	-	17.71	15.82	12.30	-	17.45	15.57	12.05	-	18.63	16.75	13.23	-
		kW	2.65	2.65	2.64	-	2.98	2.98	2.97	-	3.34	3.34	3.34	-	3.74	3.74	3.73	-	4.18	4.18	4.17	-	4.70	4.70	4.69	-
		Amps	10.20	10.19	10.17	-	11.63	11.62	11.59	-	13.22	13.21	13.18	-	14.94	14.92	14.90	-	16.86	16.85	16.82	-	19.11	19.10	19.08	-
		Hi PR	294	296	298	-	340	341	343	-	388	389	391	-	439	440	442	-	494	496	498	-	553	555	557	-
		Lo PR	135	137	140	-	143	144	148	-	150	151	155	-	156	157	160	-	161	163	166	-	168	170	173	-
75	1000	MBh	39.4	40.0	41.2	43.0	39.1	39.6	40.8	42.6	38.0	38.6	39.8	41.6	36.3	36.8	38.0	39.8	34.1	34.6	35.8	37.6	32.1	32.6	33.8	35.6
		S/T	0.68	0.60	0.47	0.3	1.00	0.61	0.47	0.3	1.00	0.63	0.50	0.4	1.00	0.65	0.52	0.4	1.00	1.00	0.54	0.4	1.00	1.00	0.59	0.4
		ΔT	25.36	23.47	19.95	16.3	25.31	23.42	19.90	16.2	25.57	23.68	20.16	16.5	25.29	23.40	19.88	16.2	25.03	23.15	19.63	16.0	26.22	24.33	20.81	17.2
		kW	2.60	2.60	2.59	2.6	2.93	2.92	2.92	2.9	3.29	3.29	3.28	3.3	3.69	3.68	3.68	3.7	4.13	4.13	4.12	4.1	4.65	4.64	4.64	4.7
		Amps	9.97	9.96	9.94	10.0	11.40	11.39	11.36	11.5	12.99	12.97	12.95	13.1	14.70	14.69	14.67	14.8	16.63	16.61	16.59	16.7	18.88	18.87	18.84	19.0
		Hi PR	287	288	290	295.2	332	334	336	340.7	380	381	383	388.3	431	433	435	439.6	487	488	490	494.9	546	547	549	554.0
		Lo PR	128	130	133	138.9	136	138	141	146.7	143	145	148	153.6	149	151	154	159.5	155	156	160	165.2	162	164	167	172.4
	1250	MBh	40.2	40.8	42.0	43.8	39.9	40.4	41.6	43.4	38.8	39.4	40.6	42.4	37.0	**37.6**	38.8	40.6	34.9	35.4	36.6	38.4	32.9	33.4	34.6	36.4
		S/T	0.79	0.71	0.58	0.4	1.00	0.72	0.58	0.4	1.00	0.74	0.61	0.5	1.00	**0.76**	0.63	0.5	1.00	1.00	0.65	0.5	1.00	1.00	0.70	0.6
		ΔT	23.40	21.52	17.99	14.3	23.35	21.46	17.94	14.3	23.62	21.73	18.21	14.6	23.33	**21.45**	17.92	14.3	23.08	21.19	17.67	14.0	24.26	22.37	18.85	15.2
		kW	2.63	2.62	2.62	2.6	2.95	2.95	2.95	3.0	3.32	3.32	3.31	3.3	3.72	**3.71**	3.71	3.7	4.16	4.15	4.15	4.2	4.68	4.67	4.67	4.7
		Amps	10.10	10.09	10.06	10.2	11.52	11.51	11.49	11.6	13.11	13.10	13.08	13.2	14.83	**14.82**	14.80	14.9	16.75	16.74	16.72	16.8	19.01	19.00	18.97	19.1
		Hi PR	291	292	294	299.2	336	338	340	344.7	384	385	387	392.4	435	**437**	439	443.7	491	492	494	499.0	550	551	553	558.0
		Lo PR	131	133	136	141.9	139	141	144	149.7	146	148	151	156.6	152	**154**	157	162.5	158	159	163	168.2	165	167	170	175.4
	1500	MBh	41.3	41.8	43.0	44.8	40.9	41.5	42.7	44.5	39.9	40.5	41.6	43.4	38.1	38.7	39.9	41.7	35.9	36.5	37.7	39.5	33.9	34.5	35.7	37.5
		S/T	1.00	0.75	0.62	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6
		ΔT	21.92	20.04	16.52	12.9	21.87	19.99	16.46	12.8	22.14	20.25	16.73	13.1	21.85	19.97	16.44	12.8	21.60	19.71	16.19	12.5	22.78	20.89	17.37	13.7
		kW	2.65	2.65	2.64	2.7	2.98	2.97	2.97	3.0	3.34	3.34	3.33	3.4	3.74	3.73	3.73	3.8	4.18	4.18	4.17	4.2	4.70	4.69	4.69	4.7
		Amps	10.19	10.18	10.16	10.3	11.62	11.61	11.58	11.7	13.21	13.20	13.17	13.3	14.93	14.92	14.89	15.0	16.85	16.84	16.81	16.9	19.10	19.09	19.07	19.2
		Hi PR	295	296	298	303.1	340	341	344	348.5	388	389	391	396.2	439	440	442	447.5	495	496	498	502.8	554	555	557	561.8
		Lo PR	135	137	140	145.4	143	144	148	153.3	150	151	155	160.2	156	157	160	166.0	161	163	166	171.7	168	170	173	178.9

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power
Amps = outdoor unit amps (comp.+fan)
Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1000	MBh	39.6	40.2	41.4	43.2	39.3	39.8	41.0	42.8	38.2	38.8	40.0	41.8	36.5	37.0	38.2	40.0	34.3	34.8	36.0	37.8	32.3	32.9	34.0	35.8
		S/T	1.00	0.72	0.59	0.4	1.00	0.73	0.60	0.5	1.00	1.00	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	1.00	0.6
		ΔT	29.53	27.65	24.12	20.5	29.48	27.59	24.07	20.4	29.75	27.86	24.34	20.7	29.46	27.58	24.05	20.4	29.21	27.32	23.80	20.2	30.39	28.50	24.98	21.3
		kW	2.60	2.60	2.59	2.6	2.93	2.92	2.92	2.9	3.29	3.29	3.28	3.3	3.69	3.69	3.68	3.7	4.13	4.13	4.12	4.1	4.65	4.65	4.64	4.7
		Amps	9.98	9.97	9.94	10.1	11.40	11.39	11.37	11.5	12.99	12.98	12.96	13.1	14.71	14.70	14.68	14.8	16.63	16.62	16.60	16.7	18.89	18.88	18.85	19.0
		Hi PR	287	289	291	295.7	333	334	336	341.2	381	382	384	388.9	432	433	435	440.2	487	488	490	495.5	546	547	549	554.5
		Lo PR	129	131	134	139.4	137	139	142	147.3	144	145	149	154.2	150	151	155	160.1	155	157	160	165.8	163	164	167	173.0
	1250	MBh	40.4	41.0	42.2	44.0	40.1	40.6	41.8	43.6	39.0	39.6	40.8	42.6	37.3	37.8	**39.0**	40.8	35.1	35.6	36.8	38.6	33.1	33.6	34.8	36.6
		S/T	1.00	0.83	0.70	0.6	1.00	0.84	0.71	0.6	1.00	1.00	0.73	0.6	1.00	1.00	**0.75**	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.7
		ΔT	27.58	25.69	22.17	18.5	27.53	25.64	22.12	18.5	27.79	25.90	22.38	18.7	27.51	25.62	**22.10**	18.5	27.25	25.37	21.85	18.2	28.44	26.55	23.03	19.4
		kW	2.63	2.63	2.62	2.6	2.96	2.95	2.95	3.0	3.32	3.32	3.31	3.3	3.72	3.71	**3.71**	3.7	4.16	4.16	4.15	4.2	4.68	4.67	4.67	4.7
		Amps	10.11	10.10	10.07	10.2	11.53	11.52	11.49	11.6	13.12	13.11	13.08	13.2	14.84	14.83	**14.80**	14.9	16.76	16.75	16.72	16.8	19.01	19.00	18.98	19.1
		Hi PR	291	293	295	299.8	337	338	340	345.2	385	386	388	392.9	436	437	**439**	444.2	491	492	494	499.5	550	551	554	558.5
		Lo PR	132	134	137	142.4	140	142	145	150.3	147	148	152	157.2	153	154	**158**	163.1	158	160	163	168.8	166	167	170	176.0
	1500	MBh	41.5	42.0	43.2	45.0	41.1	41.7	42.9	44.7	40.1	40.7	41.8	43.7	38.3	38.9	40.1	41.9	36.1	36.7	37.9	39.7	34.1	34.7	35.9	37.7
		S/T	1.00	0.88	0.74	0.6	1.00	0.88	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.7
		ΔT	26.10	24.21	20.69	17.0	26.05	24.16	20.64	17.0	26.31	24.43	20.90	17.3	26.03	24.14	20.62	17.0	25.78	23.89	20.37	16.7	26.96	25.07	21.55	17.9
		kW	2.65	2.65	2.64	2.7	2.98	2.98	2.97	3.0	3.34	3.34	3.34	3.4	3.74	3.74	3.73	3.8	4.18	4.18	4.17	4.2	4.70	4.70	4.69	4.7
		Amps	10.20	10.19	10.17	10.3	11.63	11.61	11.59	11.7	13.21	13.20	13.18	13.3	14.93	14.92	14.90	15.0	16.86	16.84	16.82	16.9	19.11	19.10	19.07	19.2
		Hi PR	295	297	299	303.6	341	342	344	349.1	388	390	392	396.7	440	441	443	448.0	495	496	498	503.3	554	555	557	562.4
		Lo PR	136	137	140	145.9	143	145	148	153.8	150	152	155	160.7	156	158	161	166.6	162	163	167	172.3	169	171	174	179.5
85	1000	MBh	40.3	40.9	42.0	43.9	39.9	40.5	41.7	43.5	38.9	39.5	40.7	42.5	37.1	37.7	38.9	40.7	35.0	35.5	36.7	38.5	33.0	33.5	34.7	36.5
		S/T	1.00	0.82	0.69	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.7
		ΔT	33.24	31.35	27.83	24.2	33.18	31.30	27.78	24.1	33.45	31.56	28.04	24.4	33.16	31.28	27.76	24.1	32.91	31.03	27.50	23.9	34.09	32.21	28.69	25.0
		kW	2.61	2.60	2.60	2.6	2.93	2.93	2.92	2.9	3.30	3.30	3.29	3.3	3.69	3.69	3.69	3.7	4.14	4.13	4.13	4.2	4.65	4.65	4.65	4.7
		Amps	10.01	10.00	9.97	10.1	11.43	11.42	11.40	11.5	13.02	13.01	12.98	13.1	14.74	14.73	14.70	14.8	16.66	16.65	16.63	16.7	18.91	18.90	18.88	19.0
		Hi PR	289	290	292	297.1	334	336	338	342.6	382	383	385	390.2	433	434	436	441.5	489	490	492	496.8	548	549	551	555.9
		Lo PR	131	133	136	141.4	139	140	144	149.3	146	147	151	156.2	152	153	156	162.0	157	159	162	167.7	164	166	169	174.9
	1250	MBh	41.1	41.7	42.8	44.7	40.7	41.3	42.5	44.3	39.7	40.3	41.5	43.3	37.9	38.5	39.7	41.5	35.7	36.3	37.5	39.3	33.8	34.3	35.5	37.3
		S/T	1.00	1.00	0.80	0.7	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	31.28	29.39	25.87	22.2	31.23	29.34	25.82	22.2	31.49	29.61	26.09	22.4	31.21	29.32	25.80	22.2	30.96	29.07	25.55	21.9	32.14	30.25	26.73	23.1
		kW	2.63	2.63	2.63	2.7	2.96	2.96	2.95	3.0	3.33	3.33	3.32	3.3	3.72	3.72	3.72	3.7	4.17	4.16	4.16	4.2	4.68	4.68	4.68	4.7
		Amps	10.13	10.12	10.10	10.2	11.56	11.55	11.52	11.6	13.15	13.14	13.11	13.2	14.87	14.85	14.83	14.9	16.79	16.78	16.75	16.9	19.04	19.03	19.01	19.1
		Hi PR	293	294	296	301.1	338	340	342	346.6	386	387	389	394.2	437	438	441	445.6	493	494	496	500.9	552	553	555	559.9
		Lo PR	134	136	139	144.4	142	143	147	152.3	149	150	154	159.2	155	156	159	165.0	160	162	165	170.7	167	169	172	177.9
	1500	MBh	42.2	42.7	43.9	45.7	41.8	42.4	43.5	45.4	40.8	41.3	42.5	44.3	39.0	39.5	40.7	42.5	36.8	37.4	38.6	40.4	34.8	35.4	36.6	38.4
		S/T	1.00	1.00	0.84	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	1.0
		ΔT	29.80	27.92	24.39	20.7	29.75	27.86	24.34	20.7	30.01	28.13	24.61	21.0	29.73	27.84	24.32	20.7	29.48	27.59	24.07	20.4	30.66	28.77	25.25	21.6
		kW	2.66	2.65	2.65	2.7	2.98	2.98	2.98	3.0	3.35	3.35	3.34	3.4	3.75	3.74	3.74	3.8	4.19	4.18	4.18	4.2	4.71	4.70	4.70	4.7
		Amps	10.23	10.22	10.19	10.3	11.65	11.64	11.62	11.7	13.24	13.23	13.21	13.3	14.96	14.95	14.93	15.0	16.88	16.87	16.85	17.0	19.14	19.13	19.10	19.2
		Hi PR	297	298	300	304.9	342	343	345	350.4	390	391	393	398.1	441	442	444	449.4	496	498	500	504.7	555	557	559	563.7
		Lo PR	137	139	142	147.9	145	147	150	155.8	152	154	157	162.7	158	160	163	168.5	164	165	169	174.2	171	173	176	181.4

IDB: Entering Indoor Dry Bulb Temperature

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

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

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1400	MBh	46.0	46.7	48.1	-	45.6	46.3	47.7	-	44.4	45.1	46.5	-	42.4	43.0	44.4	-	39.9	40.5	41.9	-	37.6	38.2	39.6	-
		S/T	0.65	0.57	0.43	-	0.65	0.58	0.44	-	0.68	0.60	0.46	-	1.00	0.62	0.48	-	1.00	0.64	0.51	-	1.00	0.70	0.56	-
		ΔT	18.93	17.13	13.77	-	18.88	17.08	13.72	-	19.14	17.34	13.97	-	18.87	17.06	13.70	-	18.62	16.82	13.46	-	19.75	17.95	14.59	-
		kW	3.04	3.04	3.03	-	3.41	3.41	3.40	-	3.83	3.83	3.82	-	4.28	4.28	4.27	-	4.78	4.78	4.77	-	5.37	5.37	5.36	-
		Amps	11.26	11.24	11.22	-	12.88	12.87	12.84	-	14.69	14.68	14.65	-	16.65	16.64	16.61	-	18.84	18.83	18.80	-	21.41	21.40	21.37	-
		Hi PR	270	272	274	-	313	314	316	-	358	359	361	-	405	407	409	-	457	458	460	-	512	514	515	-
		Lo PR	127	129	132	-	135	136	140	-	142	143	146	-	147	149	152	-	153	154	158	-	160	161	165	-
	1500	MBh	46.4	47.0	48.4	-	46.0	46.6	48.0	-	44.8	45.4	46.8	-	42.7	43.4	44.7	-	40.2	40.9	42.2	-	37.9	38.6	39.9	-
		S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-
		ΔT	18.38	16.58	13.22	-	18.33	16.53	13.17	-	18.58	16.78	13.42	-	18.31	16.51	13.15	-	18.07	16.27	12.91	-	19.20	17.40	14.04	-
		kW	3.05	3.05	3.04	-	3.42	3.42	3.41	-	3.84	3.83	3.83	-	4.29	4.29	4.28	-	4.79	4.79	4.78	-	5.38	5.38	5.37	-
		Amps	11.30	11.29	11.26	-	12.92	12.91	12.88	-	14.73	14.72	14.69	-	16.69	16.68	16.65	-	18.88	18.87	18.84	-	21.45	21.44	21.41	-
		Hi PR	272	273	275	-	314	315	317	-	359	360	362	-	407	408	410	-	458	460	461	-	514	515	517	-
		Lo PR	128	130	133	-	136	137	141	-	143	144	147	-	148	150	153	-	154	155	159	-	161	162	166	-
	1700	MBh	47.2	47.8	49.2	-	46.7	47.4	48.8	-	45.6	46.2	47.6	-	43.5	44.1	45.5	-	41.0	41.6	43.0	-	38.7	39.3	40.7	-
		S/T	0.71	0.63	0.50	-	0.72	0.64	0.50	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.62	-
		ΔT	17.41	15.61	12.25	-	17.36	15.56	12.20	-	17.61	15.81	12.45	-	17.34	15.54	12.18	-	17.10	15.30	11.94	-	18.23	16.43	13.06	-
		kW	3.07	3.06	3.06	-	3.44	3.44	3.43	-	3.86	3.85	3.85	-	4.31	4.30	4.30	-	4.81	4.81	4.80	-	5.40	5.40	5.39	-
		Amps	11.37	11.36	11.33	-	13.00	12.98	12.96	-	14.81	14.80	14.77	-	16.77	16.76	16.73	-	18.96	18.95	18.92	-	21.53	21.52	21.49	-
		Hi PR	274	275	277	-	317	318	320	-	361	362	364	-	409	410	412	-	461	462	464	-	516	517	519	-
		Lo PR	130	132	135	-	138	140	143	-	145	146	150	-	150	152	155	-	156	158	161	-	163	165	168	-
75	1400	MBh	46.1	46.7	48.1	50.2	45.7	46.3	47.7	49.8	44.5	45.1	46.5	48.6	42.4	43.1	44.4	46.5	39.9	40.5	41.9	44.0	37.6	38.3	39.6	41.7
		S/T	0.78	0.70	0.56	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.61	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.69	0.5
		ΔT	22.89	21.09	17.73	14.2	22.84	21.04	17.68	14.2	23.10	21.29	17.93	14.5	22.82	21.02	17.66	14.2	22.58	20.78	17.42	13.9	23.71	21.91	18.55	15.1
		kW	3.04	3.03	3.03	3.1	3.41	3.41	3.40	3.4	3.83	3.82	3.82	3.8	4.28	4.27	4.27	4.3	4.78	4.78	4.77	4.8	5.37	5.37	5.36	5.4
		Amps	11.25	11.23	11.21	11.3	12.87	12.86	12.83	13.0	14.68	14.67	14.64	14.8	16.64	16.63	16.60	16.7	18.83	18.82	18.79	18.9	21.40	21.39	21.36	21.5
		Hi PR	271	272	274	278.5	313	314	316	321.0	358	359	361	365.5	406	407	409	413.5	457	459	460	465.2	513	514	516	520.4
		Lo PR	127	129	132	137.3	135	136	140	145.0	142	143	146	151.7	147	149	152	157.4	153	154	158	163.0	160	161	165	170.0
	1500	MBh	46.4	47.1	48.4	50.5	46.0	46.6	48.0	50.1	44.8	45.5	46.8	48.9	42.7	**43.4**	44.8	46.9	40.2	40.9	42.2	44.3	37.9	38.6	40.0	42.0
		S/T	0.81	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.62	0.5	1.00	**0.78**	0.64	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	22.34	20.54	17.18	13.7	22.29	20.49	17.13	13.6	22.54	20.74	17.38	13.9	22.27	**20.47**	17.11	13.6	22.03	20.23	16.87	13.4	23.16	21.36	18.00	14.5
		kW	3.05	3.04	3.04	3.1	3.42	3.42	3.41	3.4	3.84	3.83	3.83	3.9	4.29	**4.28**	4.28	4.3	4.79	4.79	4.78	4.8	5.38	5.38	5.37	5.4
		Amps	11.29	11.28	11.25	11.4	12.91	12.90	12.87	13.0	14.72	14.71	14.68	14.8	16.68	**16.67**	16.64	16.8	18.87	18.86	18.83	19.0	21.44	21.43	21.40	21.5
		Hi PR	272	273	275	279.7	314	316	317	322.2	359	360	362	366.7	407	**408**	410	414.7	459	460	462	466.4	514	515	517	521.6
		Lo PR	128	130	133	138.3	136	137	141	146.0	143	144	147	152.7	148	**150**	153	158.4	154	155	159	164.0	161	162	166	171.0
	1700	MBh	47.2	47.8	49.2	51.3	46.8	47.4	48.8	50.9	45.6	46.2	47.6	49.7	43.5	44.2	45.5	47.6	41.0	41.7	43.0	45.1	38.7	39.4	40.7	42.8
		S/T	0.84	0.76	0.63	0.5	1.00	0.77	0.63	0.5	1.00	0.80	0.66	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.75	0.6
		ΔT	21.37	19.57	16.20	12.7	21.32	19.52	16.15	12.7	21.57	19.77	16.41	12.9	21.30	19.50	16.14	12.7	21.06	19.26	15.90	12.4	22.19	20.38	17.02	13.5
		kW	3.06	3.06	3.05	3.1	3.44	3.43	3.43	3.5	3.85	3.85	3.84	3.9	4.30	4.30	4.29	4.3	4.81	4.80	4.80	4.8	5.40	5.40	5.39	5.4
		Amps	11.36	11.35	11.32	11.4	12.99	12.97	12.95	13.1	14.80	14.79	14.76	14.9	16.76	16.75	16.72	16.8	18.95	18.94	18.91	19.0	21.52	21.51	21.48	21.6
		Hi PR	274	275	277	282.0	317	318	320	324.6	361	363	364	369.1	409	410	412	417.0	461	462	464	468.7	516	517	519	523.9
		Lo PR	130	132	135	140.5	138	140	143	148.2	145	146	150	154.9	150	152	155	160.6	156	158	161	166.2	163	165	168	173.2

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1400	MBh	46.3	47.0	48.3	50.4	45.9	46.6	47.9	50.0	44.7	45.4	46.7	48.8	42.7	43.3	44.7	46.8	40.1	40.8	42.2	44.2	37.8	38.5	39.9	41.9
		S/T	1.00	0.83	0.69	0.5	1.00	0.83	0.70	0.6	1.00	0.86	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.82	0.7
		ΔT	26.88	25.08	21.71	18.2	26.83	25.03	21.67	18.2	27.08	25.28	21.92	18.4	26.81	25.01	21.65	18.2	26.57	24.77	21.41	17.9	27.70	25.90	22.53	19.1
		kW	3.04	3.03	3.03	3.1	3.41	3.41	3.40	3.4	3.83	3.82	3.82	3.8	4.28	4.28	4.27	4.3	4.78	4.78	4.77	4.8	5.37	5.37	5.36	5.4
		Amps	11.26	11.24	11.21	11.3	12.88	12.87	12.84	13.0	14.69	14.68	14.65	14.8	16.65	16.64	16.61	16.7	18.84	18.83	18.80	18.9	21.41	21.40	21.37	21.5
		Hi PR	271	272	274	279.0	314	315	317	321.5	358	359	361	366.0	406	407	409	414.0	458	459	461	465.7	513	514	516	520.8
		Lo PR	128	129	132	137.8	135	137	140	145.5	142	144	147	152.3	148	149	153	157.9	153	155	158	163.5	160	162	165	170.5
	1500	MBh	46.6	47.3	48.7	50.8	46.2	46.9	48.3	50.3	45.0	45.7	47.1	49.1	43.0	43.6	**45.0**	47.1	40.5	41.1	42.5	44.6	38.2	38.8	40.2	42.3
		S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.73	0.6	1.00	0.89	0.75	0.6	1.00	1.00	**0.77**	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.84	0.7
		ΔT	26.32	24.52	21.16	17.7	26.27	24.47	21.11	17.6	26.53	24.73	21.37	17.9	26.26	24.46	**21.09**	17.6	26.02	24.22	20.85	17.4	27.14	25.34	21.98	18.5
		kW	3.05	3.04	3.04	3.1	3.42	3.42	3.41	3.4	3.84	3.83	3.83	3.9	4.29	4.29	**4.28**	4.3	4.79	4.79	4.78	4.8	5.38	5.38	5.37	5.4
		Amps	11.30	11.29	11.26	11.4	12.92	12.91	12.88	13.0	14.73	14.72	14.69	14.8	16.69	16.68	**16.65**	16.8	18.88	18.87	18.84	19.0	21.45	21.44	21.41	21.5
		Hi PR	272	274	275	280.2	315	316	318	322.7	359	361	363	367.2	407	409	**410**	415.2	459	460	462	466.9	514	515	517	522.1
		Lo PR	129	130	133	138.9	136	138	141	146.5	143	145	148	153.3	149	150	**154**	159.0	154	156	159	164.5	161	163	166	171.5
	1700	MBh	47.4	48.1	49.4	51.5	47.0	47.7	49.0	51.1	45.8	46.5	47.8	49.9	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.4	39.0	39.6	41.0	43.1
		S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	1.00	0.7
		ΔT	25.35	23.55	20.19	16.7	25.30	23.50	20.14	16.7	25.56	23.75	20.39	16.9	25.28	23.48	20.12	16.6	25.04	23.24	19.88	16.4	26.17	24.37	21.01	17.5
		kW	3.06	3.06	3.06	3.1	3.44	3.44	3.43	3.5	3.85	3.85	3.85	3.9	4.31	4.30	4.30	4.3	4.81	4.81	4.80	4.8	5.40	5.40	5.39	5.4
		Amps	11.37	11.36	11.33	11.5	13.00	12.98	12.96	13.1	14.81	14.79	14.77	14.9	16.77	16.75	16.73	16.9	18.96	18.94	18.92	19.0	21.53	21.51	21.49	21.6
		Hi PR	275	276	278	282.5	317	318	320	325.1	362	363	365	369.6	410	411	413	417.5	461	463	465	469.2	517	518	520	524.4
		Lo PR	131	132	136	141.1	139	140	143	148.7	145	147	150	155.5	151	153	156	161.2	157	158	161	166.7	164	165	168	173.7
85	1400	MBh	47.1	47.7	49.1	51.2	46.7	47.3	48.7	50.8	45.5	46.1	47.5	49.6	43.4	44.1	45.4	47.5	40.9	41.6	42.9	45.0	38.6	39.3	40.6	42.7
		S/T	1.00	0.93	0.79	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	1.00	0.7	1.00	1.00	1.00	0.8
		ΔT	30.41	28.61	25.25	21.8	30.36	28.56	25.20	21.7	30.62	28.82	25.45	22.0	30.34	28.54	25.18	21.7	30.10	28.30	24.94	21.5	31.23	29.43	26.07	22.6
		kW	3.04	3.04	3.04	3.1	3.42	3.42	3.41	3.4	3.83	3.83	3.83	3.9	4.29	4.28	4.28	4.3	4.79	4.79	4.78	4.8	5.38	5.38	5.37	5.4
		Amps	11.29	11.27	11.25	11.4	12.91	12.90	12.87	13.0	14.72	14.71	14.68	14.8	16.68	16.67	16.64	16.8	18.87	18.86	18.83	19.0	21.44	21.43	21.40	21.5
		Hi PR	272	274	276	280.2	315	316	318	322.7	360	361	363	367.3	407	409	411	415.2	459	460	462	466.9	514	516	517	522.1
		Lo PR	130	131	134	139.7	137	139	142	147.4	144	146	149	154.2	150	151	154	159.8	155	157	160	165.4	162	164	167	172.4
	1500	MBh	47.4	48.1	49.4	51.5	47.0	47.7	49.0	51.1	45.8	46.5	47.8	49.9	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.3	38.9	39.6	41.0	43.1
		S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	29.86	28.06	24.70	21.2	29.81	28.01	24.65	21.2	30.06	28.26	24.90	21.4	29.79	27.99	24.63	21.1	29.55	27.75	24.39	20.9	30.68	28.88	25.52	22.0
		kW	3.05	3.05	3.05	3.1	3.43	3.42	3.42	3.4	3.84	3.84	3.84	3.9	4.30	4.29	4.29	4.3	4.80	4.80	4.79	4.8	5.39	5.39	5.38	5.4
		Amps	11.33	11.32	11.29	11.4	12.95	12.94	12.91	13.0	14.76	14.75	14.72	14.8	16.72	16.71	16.68	16.8	18.91	18.90	18.87	19.0	21.48	21.47	21.44	21.6
		Hi PR	274	275	277	281.4	316	317	319	324.0	361	362	364	368.5	409	410	412	416.4	460	462	463	468.1	516	517	519	523.3
		Lo PR	131	132	135	140.8	138	140	143	148.4	145	147	150	155.2	151	152	155	160.9	156	158	161	166.4	163	165	168	173.4
	1700	MBh	48.2	48.8	50.2	52.3	47.8	48.4	49.8	51.9	46.6	47.2	48.6	50.7	44.5	45.2	46.5	48.6	42.0	42.7	44.0	46.1	39.7	40.4	41.7	43.8
		S/T	1.00	0.99	0.86	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.91	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	28.89	27.09	23.72	20.2	28.84	27.04	23.68	20.2	29.09	27.29	23.93	20.4	28.82	27.02	23.66	20.2	28.58	26.78	23.42	19.9	29.71	27.90	24.54	21.1
		kW	3.07	3.07	3.06	3.1	3.45	3.44	3.44	3.5	3.86	3.86	3.85	3.9	4.31	4.31	4.30	4.3	4.82	4.81	4.81	4.8	5.41	5.40	5.40	5.4
		Amps	11.40	11.39	11.36	11.5	13.03	13.01	12.99	13.1	14.84	14.83	14.80	14.9	16.80	16.79	16.76	16.9	18.99	18.98	18.95	19.1	21.56	21.55	21.52	21.6
		Hi PR	276	277	279	283.8	319	320	322	326.3	363	364	366	370.9	411	412	414	418.8	463	464	466	470.5	518	519	521	525.7
		Lo PR	133	134	138	143.0	140	142	145	150.6	147	149	152	157.4	153	154	158	163.1	158	160	163	168.6	165	167	170	175.6

IDB: Entering Indoor Dry Bulb Temperature

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

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

KW = Total system power

Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

			OUTDOOR AMBIENT TEMPERATURE																							
			65				75				85				95				105				115			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1500	MBh	57.2	58.0	59.7	-	56.7	57.5	59.2	-	55.2	56.0	57.7	-	52.6	53.4	55.1	-	49.5	50.3	52.0	-	46.6	47.4	49.1	-
		S/T	0.60	0.53	0.40	-	0.61	0.53	0.40	-	0.63	0.56	0.43	-	0.65	0.58	0.45	-	1.00	0.60	0.47	-	1.00	0.65	0.52	-
		ΔT	20.06	18.17	14.65	-	20.01	18.12	14.60	-	20.27	18.39	14.87	-	19.99	18.10	14.58	-	19.74	17.85	14.33	-	20.92	19.03	15.51	-
		kW	3.72	3.72	3.71	-	4.20	4.20	4.19	-	4.74	4.74	4.73	-	5.32	5.32	5.31	-	5.97	5.97	5.96	-	6.73	6.73	6.72	-
		Amps	14.08	14.06	14.03	-	16.17	16.15	16.12	-	18.50	18.48	18.45	-	21.02	21.01	20.97	-	23.84	23.83	23.79	-	27.15	27.13	27.10	-
		Hi PR	280	281	283	-	324	325	327	-	370	371	373	-	420	421	423	-	473	474	476	-	530	531	533	-
		Lo PR	121	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-
	1650	MBh	57.7	58.5	60.2	-	57.2	58.0	59.7	-	55.7	56.5	58.2	-	53.2	54.0	55.7	-	50.0	50.8	52.5	-	47.2	48.0	49.7	-
		S/T	0.64	0.57	0.44	-	0.65	0.57	0.44	-	0.67	0.60	0.47	-	0.69	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.69	0.56	-
		ΔT	19.26	17.37	13.85	-	19.20	17.32	13.80	-	19.47	17.58	14.06	-	19.18	17.30	13.78	-	18.93	17.05	13.52	-	20.11	18.23	14.71	-
		kW	3.74	3.74	3.73	-	4.22	4.22	4.21	-	4.76	4.75	4.75	-	5.34	5.34	5.33	-	5.99	5.98	5.98	-	6.75	6.74	6.74	-
		Amps	14.16	14.14	14.10	-	16.24	16.23	16.19	-	18.58	18.56	18.52	-	21.10	21.08	21.05	-	23.92	23.90	23.87	-	27.23	27.21	27.17	-
		Hi PR	281	283	285	-	325	327	329	-	372	373	375	-	421	422	424	-	475	476	478	-	532	533	535	-
		Lo PR	122	123	126	-	129	131	134	-	136	137	140	-	141	143	146	-	146	148	151	-	153	155	158	-
	1800	MBh	58.4	59.2	60.9	-	57.8	58.7	60.4	-	56.4	57.2	58.9	-	53.8	54.6	56.3	-	50.7	51.5	53.2	-	47.8	48.6	50.3	-
		S/T	0.67	0.59	0.46	-	0.67	0.60	0.47	-	0.70	0.62	0.49	-	0.72	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-
		ΔT	18.54	16.66	13.14	-	18.49	16.61	13.09	-	18.76	16.87	13.35	-	18.47	16.59	13.07	-	18.22	16.34	12.81	-	19.40	17.52	13.99	-
		kW	3.76	3.75	3.75	-	4.24	4.23	4.23	-	4.77	4.77	4.76	-	5.35	5.35	5.34	-	6.00	6.00	5.99	-	6.76	6.76	6.75	-
		Amps	14.22	14.21	14.17	-	16.31	16.30	16.26	-	18.64	18.63	18.59	-	21.17	21.15	21.12	-	23.99	23.97	23.93	-	27.29	27.28	27.24	-
		Hi PR	283	284	286	-	327	328	330	-	373	374	376	-	423	424	426	-	476	478	480	-	534	535	537	-
		Lo PR	123	125	128	-	131	132	135	-	137	139	142	-	142	144	147	-	148	149	152	-	154	156	159	-
75	1500	MBh	57.2	58.0	59.7	62.3	56.7	57.5	59.2	61.8	55.2	56.0	57.7	60.3	52.6	53.4	55.1	57.7	49.5	50.3	52.0	54.6	46.7	47.5	49.2	51.8
		S/T	0.73	0.65	0.52	0.4	0.73	0.66	0.53	0.4	1.00	0.68	0.55	0.4	1.00	0.70	0.57	0.4	1.00	0.72	0.59	0.5	1.00	0.77	0.64	0.5
		ΔT	24.21	22.32	18.80	15.2	24.16	22.27	18.75	15.1	24.42	22.53	19.01	15.4	24.14	22.25	18.73	15.1	23.88	22.00	18.48	14.8	25.07	23.18	19.66	16.0
		kW	3.72	3.72	3.71	3.7	4.20	4.20	4.19	4.2	4.74	4.73	4.73	4.8	5.32	5.31	5.31	5.3	5.97	5.96	5.95	6.0	6.73	6.72	6.72	6.8
		Amps	14.07	14.05	14.01	14.2	16.15	16.14	16.10	16.3	18.49	18.47	18.43	18.6	21.01	20.99	20.96	21.1	23.83	23.81	23.78	23.9	27.14	27.12	27.08	27.2
		Hi PR	280	281	283	288.0	324	325	327	332.0	370	371	373	378.1	420	421	423	427.8	473	475	477	481.4	530	532	534	538.5
		Lo PR	121	122	125	130.3	128	129	133	137.6	134	136	139	144.0	140	141	144	149.5	145	147	150	154.8	152	153	156	161.4
	1650	MBh	57.8	58.6	60.3	62.9	57.2	58.0	59.8	62.4	55.8	56.6	58.3	60.9	53.2	**54.0**	55.7	58.3	50.1	50.9	52.6	55.2	47.2	48.0	49.7	52.3
		S/T	0.76	0.69	0.56	0.4	0.77	0.70	0.57	0.4	1.00	0.72	0.59	0.5	1.00	**0.74**	0.61	0.5	1.00	0.76	0.63	0.5	1.00	0.81	0.68	0.5
		ΔT	23.40	21.52	17.99	14.3	23.35	21.46	17.94	14.3	23.62	21.73	18.21	14.6	23.33	**21.45**	17.92	14.3	23.08	21.19	17.67	14.0	24.26	22.37	18.85	15.2
		kW	3.74	3.74	3.73	3.8	4.22	4.22	4.21	4.2	4.76	4.75	4.74	4.8	5.34	**5.33**	5.32	5.4	5.98	5.98	5.97	6.0	6.74	6.74	6.73	6.8
		Amps	14.14	14.13	14.09	14.3	16.23	16.21	16.18	16.3	18.56	18.55	18.51	18.7	21.09	**21.07**	21.03	21.2	23.91	23.89	23.85	24.0	27.21	27.20	27.16	27.3
		Hi PR	282	283	285	289.7	326	327	329	333.7	372	373	375	379.9	421	**423**	425	429.5	475	476	478	483.1	532	533	535	540.2
		Lo PR	122	123	127	131.6	129	131	134	138.9	136	137	140	145.3	141	**143**	146	150.8	146	148	151	156.1	153	155	158	162.7
	1800	MBh	58.4	59.2	60.9	63.5	57.9	58.7	60.4	63.0	56.4	57.2	58.9	61.5	53.8	54.6	56.3	58.9	50.7	51.5	53.2	55.8	47.9	48.7	50.4	53.0
		S/T	0.79	0.72	0.59	0.4	0.80	0.72	0.59	0.5	1.00	0.75	0.62	0.5	1.00	0.77	0.64	0.5	1.00	0.79	0.66	0.5	1.00	1.00	0.71	0.6
		ΔT	22.69	20.81	17.28	13.6	22.64	20.75	17.23	13.6	22.90	21.02	17.50	13.8	22.62	20.73	17.21	13.6	22.37	20.48	16.96	13.3	23.55	21.66	18.14	14.5
		kW	3.75	3.75	3.74	3.8	4.23	4.23	4.22	4.3	4.77	4.77	4.76	4.8	5.35	5.35	5.34	5.4	6.00	6.00	5.99	6.0	6.76	6.76	6.75	6.8
		Amps	14.21	14.19	14.16	14.3	16.30	16.28	16.25	16.4	18.63	18.61	18.58	18.7	21.15	21.14	21.10	21.3	23.97	23.96	23.92	24.1	27.28	27.26	27.23	27.4
		Hi PR	283	285	287	291.4	327	329	331	335.4	373	375	377	381.5	423	424	426	431.2	477	478	480	484.8	534	535	537	541.9
		Lo PR	123	125	128	133.0	131	132	135	140.3	137	139	142	146.7	142	144	147	152.2	148	149	152	157.5	154	156	159	164.1

IDB: Entering Indoor Dry Bulb Temperature

KW = Total system power

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

Amps = outdoor unit amps (comp.+fan)

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

Shaded area reflects ACCA (TVA) conditions.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1500	MBh	57.5	58.3	60.0	62.6	57.0	57.8	59.5	62.1	55.5	56.3	58.0	60.6	52.9	53.7	55.4	58.0	49.8	50.6	52.3	54.9	47.0	47.8	49.5	52.1
		S/T	0.85	0.77	0.64	0.5	1.00	0.78	0.65	0.5	1.00	0.80	0.67	0.5	1.00	0.82	0.69	0.6	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6
		ΔT	28.38	26.50	22.98	19.3	28.33	26.45	22.92	19.3	28.60	26.71	23.19	19.5	28.31	26.43	22.90	19.3	28.06	26.17	22.65	19.0	29.24	27.35	23.83	20.2
		kW	3.72	3.72	3.71	3.7	4.20	4.20	4.19	4.2	4.74	4.74	4.73	4.8	5.32	5.32	5.31	5.3	5.97	5.97	5.96	6.0	6.73	6.73	6.72	6.8
		Amps	14.08	14.06	14.02	14.2	16.17	16.15	16.11	16.3	18.50	18.48	18.45	18.6	21.02	21.00	20.97	21.1	23.84	23.82	23.79	23.9	27.15	27.13	27.10	27.3
		Hi PR	280	282	284	288.5	324	326	328	332.5	371	372	374	378.7	420	422	423	428.3	474	475	477	481.9	531	532	534	539.0
		Lo PR	121	123	126	130.9	129	130	133	138.2	135	136	139	144.6	140	142	145	150.0	146	147	150	155.3	152	154	157	162.0
	1650	MBh	58.1	58.9	60.6	63.2	57.5	58.3	60.0	62.6	56.1	56.9	58.6	61.2	53.5	54.3	**56.0**	58.6	50.4	51.2	52.9	55.5	47.5	48.3	50.0	52.6
		S/T	1.00	0.81	0.68	0.5	1.00	0.82	0.69	0.6	1.00	0.84	0.71	0.6	1.00	0.86	**0.73**	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.80	0.7
		ΔT	27.58	25.69	22.17	18.5	27.53	25.64	22.12	18.5	27.79	25.90	22.38	18.7	27.51	25.62	**22.10**	18.5	27.25	25.37	21.85	18.2	28.44	26.55	23.03	19.4
		kW	3.74	3.74	3.73	3.8	4.22	4.22	4.21	4.2	4.76	4.75	4.75	4.8	5.34	5.33	**5.33**	5.4	5.99	5.98	5.97	6.0	6.75	6.74	6.74	6.8
		Amps	14.15	14.14	14.10	14.3	16.24	16.23	16.19	16.4	18.57	18.56	18.52	18.7	21.10	21.08	**21.05**	21.2	23.92	23.90	23.86	24.0	27.22	27.21	27.17	27.3
		Hi PR	282	283	285	290.2	326	327	329	334.2	372	374	376	380.4	422	423	**425**	430.0	476	477	479	483.6	533	534	536	540.7
		Lo PR	122	124	127	132.2	130	131	134	139.5	136	138	141	145.9	142	143	**146**	151.3	147	148	151	156.6	154	155	158	163.3
	1800	MBh	58.7	59.5	61.2	63.8	58.2	59.0	60.7	63.3	56.7	57.5	59.2	61.8	54.1	54.9	56.6	59.2	51.0	51.8	53.5	56.1	48.1	49.0	50.7	53.3
		S/T	1.00	0.84	0.71	0.6	1.00	0.84	0.71	0.6	1.00	0.87	0.74	0.6	1.00	0.89	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.83	0.7
		ΔT	26.87	24.98	21.46	17.8	26.82	24.93	21.41	17.8	27.08	25.19	21.67	18.0	26.80	24.91	21.39	17.7	26.54	24.66	21.14	17.5	27.72	25.84	22.32	18.7
		kW	3.76	3.75	3.74	3.8	4.24	4.23	4.23	4.3	4.77	4.77	4.76	4.8	5.35	5.35	5.34	5.4	6.00	6.00	5.99	6.0	6.76	6.76	6.75	6.8
		Amps	14.22	14.20	14.17	14.3	16.31	16.29	16.26	16.4	18.64	18.62	18.59	18.7	21.16	21.15	21.11	21.3	23.98	23.97	23.93	24.1	27.29	27.27	27.24	27.4
		Hi PR	284	285	287	291.9	328	329	331	335.9	374	375	377	382.0	424	425	427	431.7	477	478	480	485.3	534	536	538	542.4
		Lo PR	124	125	128	133.6	131	133	136	140.9	138	139	142	147.3	143	145	148	152.7	148	150	153	158.0	155	156	160	164.7
85	1500	MBh	58.5	59.3	61.0	63.6	57.9	58.7	60.4	63.0	56.5	57.3	59.0	61.6	53.9	54.7	56.4	59.0	50.8	51.6	53.3	55.9	47.9	48.7	50.4	53.0
		S/T	1.00	0.87	0.74	0.6	1.00	0.88	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.7
		ΔT	32.09	30.20	26.68	23.0	32.03	30.15	26.63	23.0	32.30	30.41	26.89	23.2	32.02	30.13	26.61	23.0	31.76	29.88	26.36	22.7	32.94	31.06	27.54	23.9
		kW	3.73	3.73	3.72	3.8	4.21	4.21	4.20	4.2	4.75	4.75	4.74	4.8	5.33	5.33	5.32	5.4	5.98	5.97	5.97	6.0	6.74	6.74	6.73	6.8
		Amps	14.12	14.10	14.06	14.2	16.21	16.19	16.15	16.3	18.54	18.52	18.49	18.6	21.06	21.04	21.01	21.2	23.88	23.86	23.83	24.0	27.19	27.17	27.14	27.3
		Hi PR	282	283	285	289.8	326	327	329	333.8	372	373	375	380.0	422	423	425	429.6	475	476	478	483.2	532	534	535	540.4
		Lo PR	123	124	128	132.7	130	132	135	140.0	137	138	141	146.4	142	144	147	151.8	147	149	152	157.1	154	156	159	163.8
	1650	MBh	59.0	59.8	61.5	64.1	58.5	59.3	61.0	63.6	57.0	57.8	59.5	62.1	54.5	55.3	57.0	59.6	51.3	52.1	53.8	56.4	48.5	49.3	51.0	53.6
		S/T	1.00	0.91	0.78	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8
		ΔT	31.28	29.39	25.87	22.2	31.23	29.34	25.82	22.2	31.49	29.61	26.09	22.4	31.21	29.32	25.80	22.2	30.96	29.07	25.55	21.9	32.14	30.25	26.73	23.1
		kW	3.75	3.75	3.74	3.8	4.23	4.23	4.22	4.3	4.77	4.76	4.76	4.8	5.35	5.34	5.34	5.4	6.00	5.99	5.98	6.0	6.76	6.75	6.74	6.8
		Amps	14.19	14.18	14.14	14.3	16.28	16.27	16.23	16.4	18.61	18.60	18.56	18.7	21.14	21.12	21.09	21.2	23.96	23.94	23.90	24.1	27.26	27.25	27.21	27.4
		Hi PR	283	285	287	291.5	328	329	331	335.6	374	375	377	381.7	423	425	426	431.4	477	478	480	484.9	534	535	537	542.1
		Lo PR	124	126	129	134.0	132	133	136	141.3	138	139	143	147.7	143	145	148	153.1	149	150	153	158.4	155	157	160	165.1
	1800	MBh	59.6	60.5	62.2	64.8	59.1	59.9	61.6	64.2	57.6	58.5	60.2	62.8	55.1	55.9	57.6	60.2	52.0	52.8	54.5	57.1	49.1	49.9	51.6	54.2
		S/T	1.00	0.94	0.80	0.7	1.00	0.94	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	1.00	0.8
		ΔT	30.57	28.68	25.16	21.5	30.52	28.63	25.11	21.5	30.78	28.90	25.38	21.7	30.50	28.61	25.09	21.4	30.25	28.36	24.84	21.2	31.43	29.54	26.02	22.4
		kW	3.77	3.76	3.75	3.8	4.25	4.24	4.23	4.3	4.78	4.78	4.77	4.8	5.36	5.36	5.35	5.4	6.01	6.01	6.00	6.0	6.77	6.77	6.76	6.8
		Amps	14.26	14.24	14.21	14.4	16.35	16.33	16.30	16.5	18.68	18.66	18.63	18.8	21.20	21.19	21.15	21.3	24.02	24.01	23.97	24.1	27.33	27.31	27.28	27.4
		Hi PR	285	286	288	293.2	329	330	332	337.2	375	377	378	383.4	425	426	428	433.0	479	480	482	486.6	536	537	539	543.7
		Lo PR	126	127	130	135.4	133	134	138	142.7	139	141	144	149.1	145	146	149	154.5	150	152	155	159.8	157	158	161	166.5

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Design Subcooling, 5-7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.

KW = Total system power
Amps = outdoor unit amps (comp.+fan)
Shaded area reflects ACCA (TVA) conditions.

GPHH32431 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**
MBh	30.14	28.42	26.74	25.08	**24.00**	23.21	21.35	19.44	17.99	16.89	16.12	15.70	15.15	13.76	12.38	11.00	9.61
T/R	33.54	31.94	30.34	28.74	**27.78**	26.94	24.71	22.58	20.82	19.55	18.66	18.17	17.53	15.93	14.33	12.73	11.13
KW	1.94	1.93	1.92	1.92	**1.91**	1.91	1.90	1.90	1.89	1.88	1.87	1.87	1.87	1.86	1.85	1.85	1.84
AMPS	7.1	7.1	7.1	7.1	**7.0**	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7
COP	4.56	4.32	4.08	3.84	**3.68**	3.56	3.29	3.01	2.79	2.63	2.52	2.46	2.38	2.17	1.96	1.74	1.53
Hi PR	396	383	370	357	**349**	344	331	318	306	293	280	272	267	254	241	228	215
LO PR	131	123	115	107	**102**	99	90	82	74	66	58	53	50	41	33	25	17

GPHH33031 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**
MBh	34.96	32.79	30.65	28.55	**27.20**	26.22	23.73	21.39	19.48	18.08	17.05	16.50	15.79	14.00	12.22	10.44	8.65
T/R	29.65	28.08	26.50	24.93	**23.99**	23.13	20.92	18.87	17.18	15.94	15.04	14.55	13.92	12.35	10.78	9.20	7.63
KW	2.21	2.18	2.15	2.12	**2.10**	2.08	2.05	2.02	1.99	1.96	1.92	1.90	1.89	1.86	1.83	1.79	1.76
AMPS	8.0	7.8	7.7	7.5	**7.5**	7.4	7.3	7.1	7.0	6.8	6.7	6.6	6.6	6.4	6.3	6.1	6.0
COP	4.63	4.40	4.18	3.95	**3.80**	3.69	3.39	3.10	2.87	2.71	2.60	2.54	2.45	2.21	1.96	1.71	1.44
Hi PR	377	365	352	340	**333**	328	316	303	291	279	267	259	254	242	230	218	205
LO PR	132	124	116	107	**102**	99	91	83	74	66	58	53	50	42	33	25	17

GPHH33631 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE																
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**		**-5**
MBh	42.64	40.17	37.74	35.35	**33.80**	32.67	29.95	27.26	25.12	23.54	22.41	21.80	21.00	19.00	17.00	15.00	13.00
T/R	30.99	29.48	27.97	26.46	**25.55**	24.75	22.64	20.63	18.99	17.79	16.94	16.48	15.87	14.36	12.85	11.34	9.83
KW	2.91	2.87	2.84	2.80	**2.78**	2.77	2.73	2.70	2.67	2.63	2.60	2.58	2.56	2.53	2.49	2.46	2.42
AMPS	10.7	10.5	10.4	10.2	**10.2**	10.1	9.9	9.8	9.6	9.5	9.3	9.3	9.2	9.0	8.9	8.7	8.6
COP	4.30	4.10	3.90	3.70	**3.56**	3.46	3.21	2.96	2.76	2.62	2.53	2.48	2.40	2.20	2.00	1.79	1.57
Hi PR	363	352	340	328	**321**	316	304	292	281	269	257	250	245	233	222	210	198
LO PR	129	121	113	105	**100**	97	89	81	73	65	57	52	49	41	33	25	17

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

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

GPHH34231 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE															
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**-5**
MBh	45.26	42.39	39.56	36.78	**35.00**	33.70	30.37	27.29	24.77	22.91	21.54	20.80	19.85	17.49	15.12	12.75	10.39
T/R	32.24	30.49	28.73	26.98	**25.93**	24.96	22.50	20.21	18.35	16.97	15.95	15.41	14.71	12.95	11.20	9.45	7.69
KW	2.87	2.85	2.82	2.80	**2.79**	2.78	2.76	2.73	2.71	2.69	2.66	2.65	2.64	2.62	2.60	2.57	2.55
AMPS	10.5	10.4	10.3	10.2	**10.1**	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.5	9.4	9.3	9.2	9.1
COP	4.62	4.36	4.11	3.85	**3.68**	3.55	3.23	2.93	2.68	2.50	2.37	2.30	2.20	1.96	1.71	1.45	1.19
Hi PR	369	357	345	333	**326**	321	309	297	285	273	261	254	249	237	225	213	201
LO PR	135	127	118	110	**105**	101	93	85	76	68	59	54	51	43	34	26	17

GPHH34831 **100 % Capacity**

	OUTDOOR AMBIENT TEMPERATURE															
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**-5**
MBh	55.12	51.59	48.11	44.69	**42.50**	40.89	36.79	33.00	29.90	27.60	25.91	25.00	23.83	20.92	18.00	15.08	12.17
T/R	30.87	29.17	27.47	25.77	**24.75**	23.81	21.42	19.21	17.41	16.07	15.09	14.56	13.88	12.18	10.48	8.78	7.08
KW	3.57	3.50	3.44	3.37	**3.33**	3.30	3.24	3.17	3.10	3.04	2.97	2.93	2.90	2.84	2.77	2.70	2.64
AMPS	13.0	12.7	12.4	12.1	**12.0**	11.8	11.6	11.3	11.0	10.7	10.4	10.2	10.1	9.8	9.5	9.2	8.9
COP	4.52	4.32	4.10	3.89	**3.74**	3.63	3.33	3.05	2.82	2.66	2.56	2.50	2.41	2.16	1.90	1.63	1.35
Hi PR	383	371	358	346	**338**	333	321	308	296	283	271	264	259	246	234	221	209
LO PR	135	127	119	110	**105**	102	93	85	76	68	60	55	51	43	34	26	17

GPHH36031 **100 % Capacity**

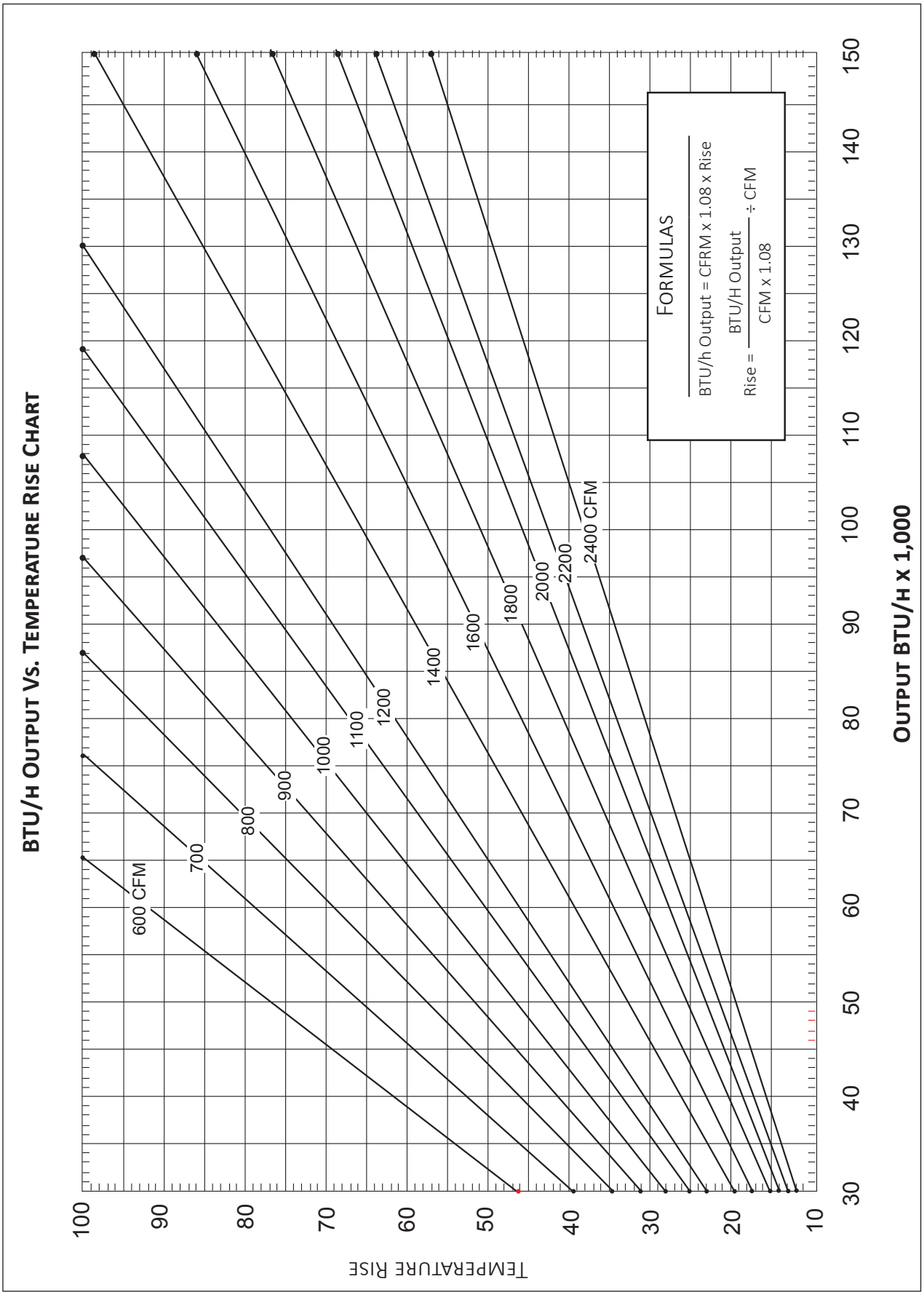
	OUTDOOR AMBIENT TEMPERATURE															
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**-5**
MBh	71.26	66.42	61.66	56.98	**54.00**	51.72	46.03	40.84	36.61	33.45	31.07	29.80	28.19	24.15	20.12	16.09	12.05
T/R	38.45	36.19	33.93	31.66	**30.30**	29.03	25.83	22.92	20.55	18.77	17.44	16.72	15.82	13.55	11.29	9.03	6.76
KW	4.61	4.51	4.41	4.31	**4.25**	4.22	4.12	4.02	3.92	3.83	3.73	3.67	3.63	3.53	3.44	3.34	3.24
AMPS	17.4	17.0	16.6	16.1	**15.9**	15.7	15.3	14.9	14.4	14.0	13.6	13.3	13.2	12.7	12.3	11.9	11.5
COP	4.54	4.32	4.10	3.87	**3.72**	3.60	3.28	2.98	2.74	2.56	2.44	2.38	2.28	2.00	1.72	1.41	1.09
Hi PR	407	394	380	367	**359**	354	341	327	314	301	288	280	275	261	248	235	222
LO PR	129	121	113	105	**100**	97	89	81	73	65	57	52	49	41	33	25	17

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power


BTU/H Output Vs. Temperature Rise Chart
Temperature Rise
Output BTU/H x 1,000
600 CFM
700
800
900
1000
1100
1200
1400
1600
1800
2000
2200
2400 CFM
Formulas
BTU/h Output = CFRM x 1.08 x Rise
Rise = BTU/H Output / CFM x 1.08 ÷ CFM

MODEL	SPEED*	VOLTS		E.S.P. (IN. OF H_2O)							
				0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
GPHH32431	T1	230	CFM	922	873	823	774	724	675	626	576
			Watts	74	85	96	107	118	129	140	151
	T2,T3	230	CFM	1,030	985	940	895	841	787	723	641
			Watts	104	115	124	134	144	155	164	169
	T4, T5	230	CFM	1,231	1,179	1,127	1,074	1,022	969	917	865
			Watts	168	180	193	205	218	230	243	255
GPHH33031	T1	230	CFM	864	808	757	695	636	567	494	437
			Watts	72	82	91	103	107	115	123	131
	T2,T3	230	CFM	1,324	1,272	1,216	1,169	1,117	1,056	1,002	945
			Watts	187	199	209	219	229	239	248	256
	T4, T5	230	CFM	1,404	1,362	1,321	1,271	1,238	1,191	1,150	1,105
			Watts	235	246	257	272	284	289	300	309
GPHH33631	T1	230	CFM	1,161	1,113	1,076	1,034	994	949	889	837
			Watts	139	150	163	172	184	194	207	218
	T2,T3	230	CFM	1,488	1,418	1,358	1,328	1,288	1,248	1,202	1,153
			Watts	245	256	267	279	289	300	306	317
	T4, T5	230	CFM	1,542	1,502	1,462	1,427	1,392	1,352	1,316	1,280
			Watts	291	301	314	327	339	349	359	371
GPHH34231	T1	230	CFM	1,271	1,214	1,167	1,127	1,095	1,052	1,013	971
			Watts	168	177	188	200	214	224	235	249
	T2,T3	230	CFM	1,492	1,439	1,390	1,340	1,303	1,242	1,193	1,139
			Watts	255	265	275	285	296	304	315	324
	T4, T5	230	CFM	1,736	1,679	1,638	1,598	1,558	1,520	1,484	1,441
			Watts	356	372	382	395	408	422	433	442
GPHH34831	T1	230	CFM	1,337	1,297	1,218	1,155	1,118	1,088	1,022	989
			Watts	179	190	203	210	225	243	249	268
	T2/T3	230	CFM	1,754	1,705	1,655	1,612	1,565	1,523	1,481	1,435
			Watts	375	387	399	414	427	439	450	459
	T4/T5	230	CFM	2,002	1,935	1,885	1,827	1,767	1,732	1,669	1,618
			Watts	498	521	516	534	551	567	571	574
GPHH36031	T1	230	CFM	1,418	1,357	1,315	1,274	1,239	1,193	1,148	1,102
			Watts	212	219	227	236	243	252	266	275
	T2,T3	230	CFM	1,965	1,907	1,846	1,790	1,737	1,681	1,628	1,577
			Watts	427	436	445	452	462	471	482	494
	T4, T5	230	CFM	1,933	1,886	1,838	1,796	1,759	1,723	1,693	1,669
			Watts	491	499	506	519	527	534	539	550

* Speed set at T2 at factory.

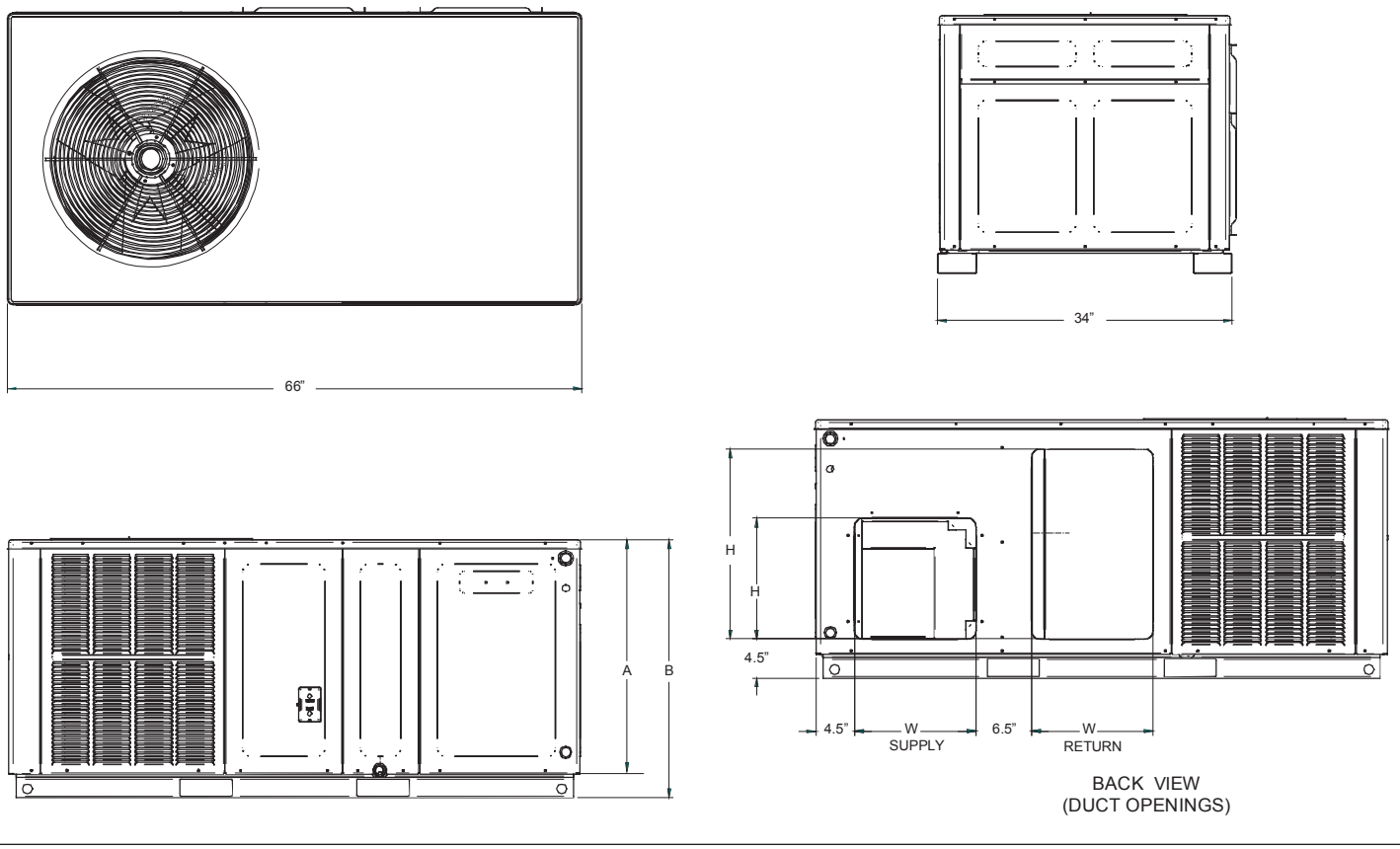
Model and Heat Kit Usage	Circuit #1		Circuit #2		Single-Point Kit		Actual kW
	MCA[1]	MOP[2]	MCA[1]	MOP[2]	MCA[1]	MOP[2]	
GPHH32431							
HKTPD051	24.7	25	-	-	45.45	50	4.75
HKTPD081	36.5	40	-	-	57.25	60	7
HKTPD101	49.5	50	-	-	70.25	80	9.5
GPHH33031							
HKTPD051	24.7	25	-	-	45.45	50	4.75
HKTPD081	36.5	40	-	-	57.25	60	7
HKTPD101	49.5	50	-	-	70.25	80	9.5
GPHH33631							
HKTPD051	24.7	25	-	-	47.9	50	4.75
HKTPD081	36.5	40	-	-	59.7	60	7
HKTPD101	49.5	50	-	-	72.7	80	9.5
HKTPD151	49.5	50	24.7	25	97.4	100	14.25
GPHH34231							
HKTPD051	24.7	25	-	-	47.9	50	4.75
HKTPD081	36.5	40	-	-	59.7	60	7
HKTPD101	49.5	50	-	-	72.7	80	9.5
HKTPD151	49.5	50	24.7	25	97.4	100	14.25
HKTPD201	49.5	50	49.5	50	122.2	125	19
GPHH34831							
HKTPD051	24.7	25	-	-	55.74	70	4.75
HKTPD081	36.5	40	-	-	67.54	70	7
HKTPD101	49.5	50	-	-	80.54	90	9.5
HKTPD151	49.5	50	24.7	25	105.24	110	14.25
HKTPD201	49.5	50	49.5	50	130.04	150	19
GPHH36031							
HKTPD051	24.7	25	-	-	61.34	80	4.75
HKTPD081	36.5	40	-	-	73.14	80	7
HKTPD101	49.5	50	-	-	86.14	100	9.5
HKTPD151	49.5	50	24.7	25	110.84	125	14.25
HKTPD201	49.5	50	49.5	50	135.64	150	19

[1] Minimum Circuit Ampacity

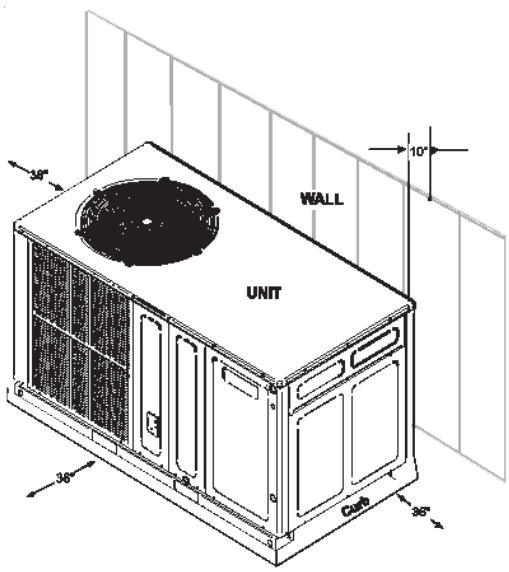
[2] Maximum Overcurrent Protection Device

Heating kW Correction Factor					
Supply Votage	240	230	220	210	208
Correction Factor	1.0	0.93	0.85	0.78	0.76

Multiply rated kW by correction factor to get actual kW

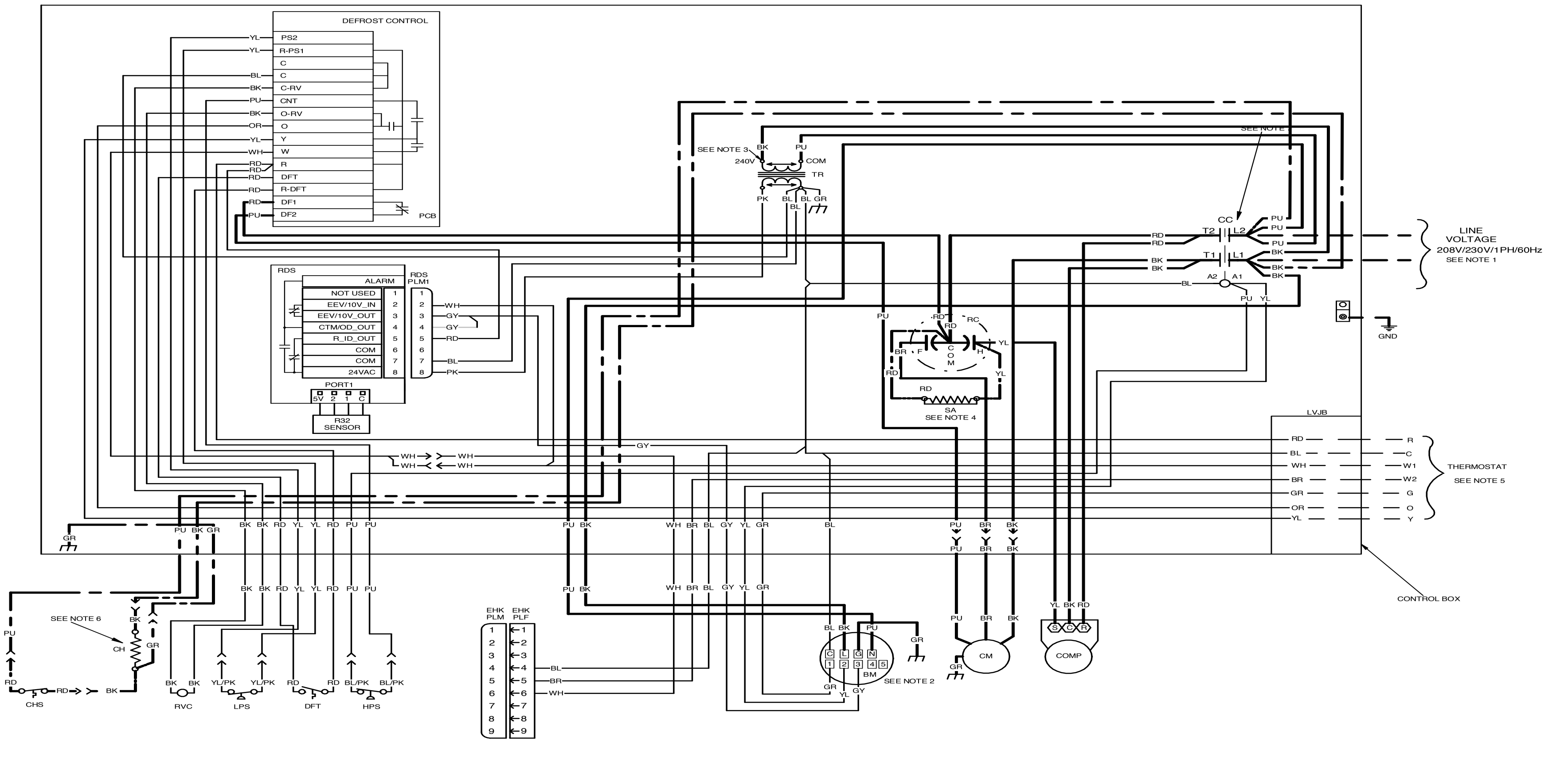


MINIMAL CLEARANCES



MODEL	UNIT DIMENSIONS				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
GPHH32431	66	34	27½	30	Small
GPHH33031	66	34	27½	30	Small
GPHH33631	66	34	32½	35	Medium
GPHH34231	66	34	32½	35	Medium
GPHH34831	66	34	32½	35	Medium
GPHH36031	66	34	36	38½	Large

MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPHH32431	14	14	14	22
GPHH33031	14	14	14	22
GPHH33631	14	14	14	24
GPHH34231	14	14	14	24
GPHH34831	14	14	14	24
GPHH36031	14	14	14	24



NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (AT LEAST 105°C). USE COPPER CONDUCTORS ONLY. USE NEC CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.
2. TO CHANGE BLOWER MOTOR SPEED MOVE YELLOW AND GRAY LEADS FROM BM "2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTORY EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY USE N.E.C. CLASS 2 WIRE
6. CRANKCASE HEATER FACTORY EQUIPPED WHEN REQUIRED OR OPTIONAL.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.

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

COMPONENT LEGEND

BM	BLOWER MOTOR	LPS	LOW PRESSURE SWITCH
CC	COMPRESSOR CONTACTOR	LVJB	LOW VOLTAGE JUNCTION BOX
CH	CRANKCASE HEATER	OWV	ONE WAY VALVE
CHS	CRANKCASE HEATER SWITCH	PLF	FEMALE PLUG/CONNECTOR
CM	CONDENSER MOTOR	PLM	MALE PLUG/CONNECTOR
COMP	COMPRESSOR	RC	RUN CAPACITOR
CS	COMP SOLENOID (2ND STG COOLING)	RDS	REFRIGERANT DETECTION SYSTEM
DFT	DEFROST THERMOSTAT	RVC	REVERSING VALVE COIL
ECON	ECONOMIZER	SA	START ASSIST
EHK	ELECTRIC HEATER KIT	TR	TRANSFORMER
GND	EQUIPMENT GROUND		
HPS	HIGH PRESSURE SWITCH		

JUNCTION
TERMINAL
SWITCH (PRESS.)
CONNECTOR
EQUIPMENT GROUND
FIELD GROUND
FIELD SPLICE
SWITCH (TEMP)

LEAK DETECTION SYSTEM INSTALLED. UNIT MUST BE POWERED EXCEPT FOR SERVICE. SEE USER MANUAL FOR MORE DETAILS.

RED LED'S STATUS	MODE	CHECK
1 FLASH	STARTUP MODE	-
SLOW LED FLASHING	NORMAL OPERATION	-
FAST LED FLASHING	R-32 LEAK ALARM	LEAK DETECTED. FIND AND REPAIR THE SOURCE OF THE LEAK.
LED ON CONTINUOUSLY	DELAY MODE	MODE WILL CLEAR AFTER 5 MINUTES.
FAST LED FLASHING	SYSTEM VERIFICATION MODE	USER ACTIVATED TEST MODE.
2 FLASHES	INTERNAL FAULT	REPLACE CONTROL BOARD.
3 FLASHES	R-32 SENSOR COMMUNICATION FAULT	VERIFY REFRIGERANT SENSOR WIRING. REPLACE SENSOR. REPLACE CONTROL BOARD.
4 FLASHES	R-32 SENSOR FAULT	REPLACE SENSOR.

WIRE CODE

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

WIRING

HIGH VOLTAGE
LOW VOLTAGE
FIELD INSTALLED POWER
FIELD INSTALLED CONTROL
OPTIONAL HIGH VOLTAGE
OPTIONAL LOW VOLTAGE

0140G04670-A

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.

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer (use w/PCCP roof curb)	DDNECNJPCHHA	DDNECNJPCHHA
Downflow Plenum Kit (use w/PCCP roof curb)	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8) (use w/PCCP roof curb)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/R-8 Liner	PCEF101-103	PCEF101-103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Inline Fuse Kit	INFKPKG01	INFKPKG01
Isolation Relay Kit (req'd with Economizer)	IRKT-01	IRKT-01
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper - Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round Downflow (use w/PCCP roof curb)	SQRPC101	SQRPC102-103
Square to Round Horizontal	SQRPCH101	SQRPCH102-103