



Air Conditioning & Heating

GPH16H

COOLING CAPACITY: 24,000 - 57,500 BTU/H
HEATING CAPACITY: 22,800 - 54,500 BTU/H

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



Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data	4
Expanded Heating Data.....	20
Airflow Data	23
Heat Kit Electrical Data.....	24
Dimensions	25
Wiring Diagrams	26
Accessories	28

Standard Features

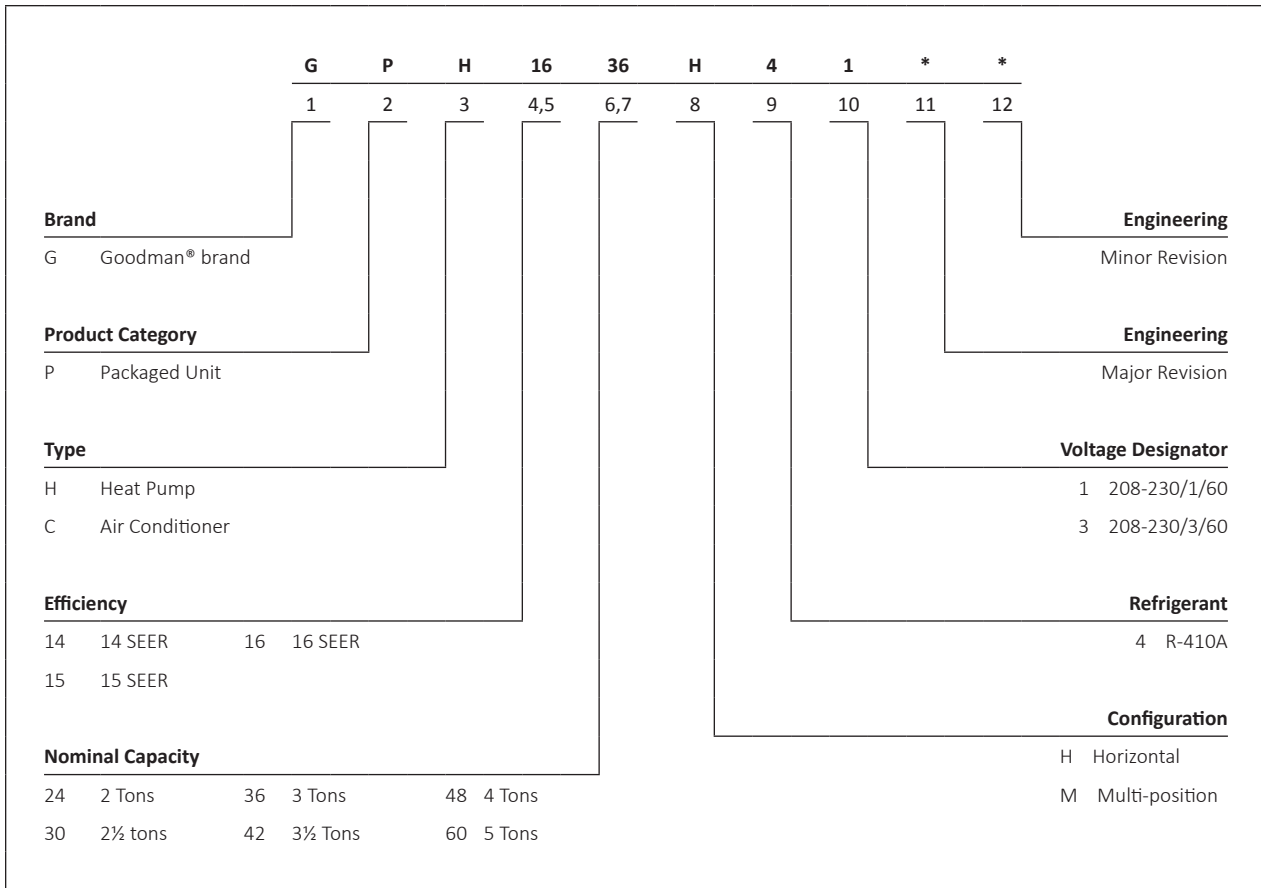
- High-efficiency scroll compressor
- Multi-speed ECM indoor blower motor
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- Quiet horizontal discharge
- Electric heat kit available as a field-installed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

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Louvered condenser coil protection
- 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
- One footprint for all tonnages



* 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 not required in California or Québec.



	GPH16 24H41A*	GPH16 30H41A*	GPH16 36H41A*	GPH16 36H41B*	GPH16 42H41A*	GPH16 42H41B*	GPH16 48H41A*	GPH16 60H41A*
COOLING CAPACITY								
AHRI Cooling Capacity (BTU/h)	24,000	28,400	36,000	35,600	42,000	42,000	46,000	57,500
Sensible BTU/h	18,200	21,400	27,400	27,400	30,000	30,000	34,600	41,000
SEER / EER	16.0 / 13.0	16.0 / 12.5	16.0 / 13.0	16.0 / 13.0	16.0 / 12.0	16.0 / 12.0	16.0 / 12.0	15.5/12
Decibels	76	76	78	78	78	79	80	80
AHRI Numbers	7953308	7953310	7953311	202327492	7953312	10259473	7953729	9008583
HEATING CAPACITY								
BTU/h (47°F)	22,800	27,600	32,200	32,200	40,000	40,000	44,000	54,500
C.O.P. (47°F)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.6
BTU/h (17°F)	13,000	15,400	20,400	19,700	21,600	21,600	26,000	33,800
C.O.P. (17°F)	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4
HSPF	8.0	8.0	8.0	8.0	8.0	8.2	8.0	8.2
EVAPORATOR MOTOR								
Type	ECM	ECM	ECM	ECM	ECM	EEM	ECM	ECM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11X8
Cooling CFM	875	1,050	1,200	1,200	1,300	1,300	1,600	1,700
Fan-Only CFM	800	950	1,100	1,100	1,200	1,200	1,400	1,600
RLA	3.8	3.8	3.8	3.8	3.8	3.8	5.4	5.4
No. of Speeds	5	5	5	5	5	5	5	5
Horsepower - RPM	½ - 1,050	½ - 1,050	½ - 1,050	½ - 1,050	½ - 1,050	½ - 1,050	¾ - 1,050	¾ - 1,050
EVAPORATOR COIL								
Face Area (ft²)	5.2	5.2	6.2	6.2	6.2	6.2	6.2	7
Rows Deep/ Fins per Inch	3/ 14	3/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Indoor Metering Device Size	TXV	TXV	TXV	TXV	TXV	TXV	TXV	TXV
Filter Size (ft²)	20 x 20 x 1	20 x 25 x 1	25 x 25 x 1	25 x 25 x 1	(2) 20 x 20 x 1	(2) 20x20x1	(2) 20 x 20 x 1	(2) 20 x 25 x 1
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	116	116	170	170	170	170	170	175
CONDENSER FAN / COIL								
Horsepower - RPM	1/6 - 815	1/6 - 815	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075	¼ - 1075
RLA/LRA	1.1 / 1.7	1.1 / 1.7	1.5 / 3.0	1.5 / 3.0	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9	1.4 / 2.9
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4	22 / 4
Face Area (ft²)	14.3	14.3	17	17	17	17	17	19
Outdoor Metering Device Size	0.047	0.047	0.057	0.057	0.059	0.059	TXV	TXV
Rows Deep/ Fins per Inch	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16	2 / 20
COMPRESSOR								
Quantity / Type / Stage	1 / Scroll / Single	1 / Scroll / Single	1 / Scroll / Single	1 / Scroll / Single	1 / Scroll / Single	1 / Scroll / Two	1 / Scroll / Two	1 / Scroll / two
Compressor RLA/LRA	12.8 / 58.3	14.1 / 73	16.7 / 79	15.7 / 72.2	17.9 / 112	17.9 / 96	21.2 / 104	26.4 / 134
ELECTRICAL DATA								
Voltage/ Phase (60 Hz)	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1	208-230/ 1
Indoor Blower FLA	3.8	3.8	3.8	3.8	3.8	3.8	5.4	5.4
Outdoor Fan RLA	1.1	1.1	1.4	1.5	1.4	1.4	1.4	1.4
Total Unit Amps	17.7	19	21.9	21.9	23.1	23.1	28	33.2
Min. Circuit Ampacity ¹	21	23	27	27	28	28	35	40
Min. Overcurrent Protection ²	30 amps	35 amps	40 amps	40 amps	45 amps	45 amps	50 amps	60 amps
OPERATING WEIGHTS (LBS)								
	315	315	375	375	375	375	400	405
SHIPPING WEIGHTS (LBS)								
	324	324	387	387	387	387	412	417

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

² Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

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

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																							
		65				75				85				95				105				115			
		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	MBh	23.1	23.9	26.2	-	22.5	23.3	25.6	-	22.0	22.8	25.0	-	21.5	22.2	24.4	-	20.4	21.1	23.1	-	18.9	19.6	21.4	-
	S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.66	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
	ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-
	KW	1.42	1.45	1.50	-	1.54	1.57	1.62	-	1.64	1.67	1.73	-	1.72	1.76	1.82	-	1.80	1.84	1.90	-	1.86	1.91	1.97	-
	Amps	6.1	6.2	6.4	-	6.5	6.6	6.8	-	7.0	7.2	7.4	-	7.4	7.6	7.8	-	7.9	8.0	8.3	-	8.3	8.5	8.7	-
Hi PR	218	234	247	-	244	263	278	-	278	299	316	-	316	340	360	-	356	383	404	-	393	423	447	-	
Lo PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-	
70	MBh	22.8	23.7	25.9	-	22.3	23.1	25.3	-	21.8	22.6	24.7	-	21.2	22.0	24.1	-	20.2	20.9	22.9	-	18.7	19.4	21.2	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	KW	1.42	1.45	1.50	-	1.53	1.57	1.62	-	1.63	1.67	1.72	-	1.72	1.76	1.82	-	1.79	1.83	1.90	-	1.86	1.90	1.97	-
	Amps	6.1	6.2	6.4	-	6.5	6.6	6.8	-	7.0	7.1	7.4	-	7.4	7.6	7.8	-	7.8	8.0	8.3	-	8.3	8.5	8.7	-
Hi PR	217	234	247	-	244	262	277	-	277	298	315	-	315	339	358	-	355	382	403	-	392	422	446	-	
Lo PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	147	-	132	141	154	-	137	145	159	-	
750	MBh	21.1	21.8	23.9	-	20.6	21.3	23.4	-	20.1	20.8	22.8	-	19.6	20.3	22.3	-	18.6	19.3	21.1	-	17.3	17.9	19.6	-
	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	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	KW	1.38	1.41	1.46	-	1.49	1.53	1.58	-	1.59	1.63	1.68	-	1.67	1.71	1.77	-	1.75	1.79	1.85	-	1.81	1.85	1.91	-
	Amps	5.9	6.0	6.2	-	6.3	6.5	6.7	-	6.8	7.0	7.2	-	7.2	7.4	7.6	-	7.7	7.8	8.1	-	8.1	8.2	8.5	-
Hi PR	211	227	239	-	236	254	268	-	269	289	305	-	306	329	348	-	344	370	391	-	380	409	432	-	
Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	

950	MBh	23.5	24.1	26.1	28.1	22.9	23.6	25.5	27.4	22.4	23.0	24.9	26.7	21.8	22.5	24.3	26.1	20.7	21.3	23.1	24.8	19.2	19.8	21.4	23.0
	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.96	0.85	0.65	0.42	0.96	0.86	0.65	0.42
	ΔT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	16	14	9
	KW	1.43	1.47	1.51	1.56	1.55	1.58	1.64	1.69	1.65	1.69	1.74	1.80	1.74	1.78	1.84	1.90	1.81	1.86	1.92	1.98	1.88	1.92	1.99	2.06
	Amps	6.1	6.2	6.4	6.6	6.6	6.7	6.9	7.1	7.1	7.2	7.4	7.7	7.5	7.7	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.8	9.1
Hi PR	220	237	250	261	247	266	280	292	281	302	319	333	320	344	363	379	360	387	409	426	397	428	451	471	
Lo PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171	
875	MBh	23.2	23.9	25.9	27.8	22.7	23.4	25.3	27.1	22.1	22.8	24.7	26.5	21.6	22.2	24.1	25.8	20.5	21.1	22.9	24.5	19.0	19.6	21.2	22.7
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
	KW	1.43	1.46	1.51	1.56	1.54	1.58	1.63	1.69	1.65	1.68	1.74	1.80	1.73	1.77	1.83	1.90	1.81	1.85	1.91	1.98	1.87	1.92	1.98	2.05
	Amps	6.1	6.2	6.4	6.6	6.5	6.7	6.9	7.1	7.0	7.2	7.4	7.7	7.5	7.6	7.9	8.1	7.9	8.1	8.3	8.6	8.3	8.5	8.8	9.1
Hi PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469	
Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
750	MBh	21.4	22.1	23.9	25.6	20.9	21.6	23.3	25.0	20.4	21.0	22.8	24.4	19.9	20.5	22.2	23.8	18.9	19.5	21.1	22.7	17.5	18.1	19.6	21.0
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	KW	1.40	1.43	1.47	1.52	1.51	1.54	1.59	1.64	1.60	1.64	1.69	1.75	1.69	1.73	1.79	1.85	1.76	1.80	1.86	1.93	1.83	1.87	1.93	2.00
	Amps	6.0	6.1	6.3	6.5	6.4	6.5	6.7	6.9	6.9	7.0	7.2	7.5	7.3	7.5	7.7	7.9	7.7	7.9	8.1	8.4	8.1	8.3	8.6	8.9
Hi PR	213	229	242	252	239	257	271	283	271	292	308	322	309	333	351	366	348	374	395	412	384	413	437	455	
Lo PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHR1 (TV) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																												
		65				75				85				95				105				115								
		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	1180	MBh	27.8	28.8	31.6	-	27.2	28.2	30.9	-	26.5	27.5	30.1	-	25.9	26.8	29.4	-	24.6	25.5	27.9	-	24.6	25.5	27.9	-	22.8	23.6	25.9	-
		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	-	0.87	0.72	0.50	-
		ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
		KW	1.74	1.78	1.84	-	1.88	1.92	1.99	-	2.01	2.05	2.12	-	2.11	2.16	2.24	-	2.21	2.26	2.33	-	2.21	2.26	2.33	-	2.29	2.34	2.42	-
		Amps	7.3	7.5	7.7	-	7.9	8.0	8.3	-	8.5	8.7	8.9	-	9.0	9.2	9.5	-	9.5	9.8	10.1	-	9.5	9.8	10.1	-	10.1	10.3	10.6	-
	1050	Hi PR	228	246	260	-	256	276	291	-	292	314	331	-	332	357	377	-	374	402	425	-	374	402	425	-	413	444	469	-
		Lo PR	109	116	127	-	115	123	134	-	120	128	139	-	126	134	146	-	132	140	153	-	132	140	153	-	137	145	159	-
		MBh	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.1	26.1	28.5	-	23.9	24.7	27.1	-	23.9	24.7	27.1	-	22.1	22.9	25.1	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
925	KW	1.73	1.77	1.82	-	1.87	1.91	1.97	-	1.99	2.03	2.10	-	2.10	2.14	2.22	-	2.19	2.24	2.31	-	2.19	2.24	2.31	-	2.27	2.32	2.40	-	
	Amps	7.3	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.8	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	9.5	9.7	10.0	-	10.0	10.2	10.5	-	
	Hi PR	226	243	257	-	254	273	288	-	289	311	328	-	329	354	374	-	370	398	420	-	370	398	420	-	409	440	464	-	
	Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	131	139	152	-	135	144	157	-	
	MBh	25.7	26.6	29.1	-	25.1	26.0	28.5	-	24.5	25.4	27.8	-	23.9	24.7	27.1	-	22.7	23.5	25.8	-	22.7	23.5	25.8	-	21.0	21.8	23.9	-	

75	1180	MBh	28.3	29.1	31.5	33.9	27.6	28.5	30.8	33.1	27.0	27.8	30.1	32.3	26.3	27.1	29.3	31.5	25.0	25.8	27.9	29.9	23.2	23.9	25.8	27.7
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.87	0.66	0.43	0.98	0.88	0.67	0.43
		ΔT	19	17	14	10	19	18	14	10	19	18	14	10	19	18	15	10	20	18	14	10	18	16	13	9
		KW	1.76	1.80	1.85	1.92	1.90	1.94	2.01	2.07	2.02	2.07	2.14	2.21	2.13	2.18	2.26	2.33	2.23	2.28	2.36	2.44	2.31	2.36	2.44	2.53
		Amps	7.4	7.5	7.8	8.0	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.5	10.1	10.4	10.7	11.1
	1050	Hi PR	231	248	262	274	259	279	294	307	295	317	335	349	336	361	381	398	377	406	429	447	417	449	474	494
		Lo PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171
		MBh	27.5	28.3	30.6	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	25.6	26.3	28.5	30.6	24.3	25.0	27.1	29.0	22.5	23.2	25.1	26.9
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
925	KW	1.74	1.78	1.84	1.90	1.88	1.92	1.99	2.06	2.01	2.05	2.12	2.19	2.11	2.16	2.24	2.31	2.21	2.26	2.34	2.42	2.29	2.34	2.42	2.51	
	Amps	7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.5	8.5	8.7	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.4	10.1	10.3	10.6	11.0	
	Hi PR	229	246	260	271	256	276	291	304	292	314	331	346	332	357	377	394	374	402	425	443	413	444	469	489	
	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	
	MBh	26.1	26.9	29.1	31.2	25.5	26.3	28.4	30.5	24.9	25.6	27.7	29.8	24.3	25.0	27.1	29.0	23.1	23.8	25.7	27.6	21.4	22.0	23.8	25.6	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 5-7 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 15-18°F @ the compressor suction access fitting connection.
 Shaded area reflects AHR1 (TV) conditions.
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1350	MBh	35.3	36.6	40.1	-	34.5	35.7	39.1	-	33.6	34.9	38.2	-	32.8	34.0	37.3	-	31.2	32.3	35.4	-	28.9	29.9	32.8	-
		S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.25	2.29	2.37	-	2.42	2.47	2.55	-	2.57	2.62	2.71	-	2.70	2.76	2.85	-	2.82	2.88	2.97	-	2.91	2.98	3.08	-
		Amps	9.4	9.6	9.8	-	10.0	10.2	10.5	-	10.8	11.0	11.3	-	11.4	11.7	12.0	-	12.1	12.4	12.7	-	12.7	13.0	13.4	-
	1200	Hi PR	230	247	261	-	258	277	293	-	293	315	333	-	334	359	379	-	375	404	427	-	415	446	471	-
		Lo PR	112	119	130	-	118	125	137	-	123	130	142	-	129	137	150	-	135	144	157	-	140	148	162	-
		MBh	34.2	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.8	37.1	-	31.9	33.0	36.2	-	30.3	31.4	34.4	-	28.0	29.1	31.8	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.81	0.68	0.47	-	0.82	0.69	0.48	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
1060	KW	2.23	2.28	2.35	-	2.40	2.45	2.53	-	2.55	2.60	2.69	-	2.68	2.74	2.83	-	2.79	2.85	2.95	-	2.89	2.95	3.05	-	
	Amps	9.3	9.5	9.7	-	9.9	10.1	10.4	-	10.7	10.9	11.2	-	11.3	11.6	11.9	-	12.0	12.3	12.6	-	12.6	12.9	13.3	-	
	Hi PR	227	245	258	-	255	275	290	-	290	312	330	-	330	356	376	-	372	400	422	-	411	442	467	-	
	Lo PR	111	118	128	-	117	124	136	-	121	129	141	-	127	136	148	-	134	142	155	-	138	147	160	-	
	MBh	32.5	33.7	36.9	-	31.8	32.9	36.1	-	31.0	32.2	35.2	-	30.3	31.4	34.4	-	28.8	29.8	32.7	-	26.6	27.6	30.2	-	

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	1350	MBh	35.9	36.9	40.0	42.9	35.0	36.1	39.1	41.9	34.2	35.2	38.1	40.9	33.4	34.4	37.2	39.9	31.7	32.6	35.3	37.9	29.4	30.2	32.7	35.1
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		KW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.65	2.59	2.65	2.73	2.82	2.72	2.78	2.88	2.97	2.84	2.90	3.00	3.10	2.94	3.00	3.10	3.21
		Amps	9.4	9.6	9.9	10.2	10.1	10.3	10.6	11.0	10.9	11.1	11.4	11.8	11.5	11.8	12.1	12.5	12.2	12.5	12.8	13.3	12.8	13.1	13.5	14.0
	1200	Hi PR	232	250	264	275	260	280	296	309	296	319	336	351	337	363	383	400	379	408	431	450	419	451	476	497
		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	34.8	35.9	38.8	41.7	34.0	35.0	37.9	40.7	33.2	34.2	37.0	39.7	32.4	33.4	36.1	38.8	30.8	31.7	34.3	36.8	28.5	29.4	31.8	34.1
		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	0.93	0.83	0.63	0.40	0.93	0.83	0.63	0.41
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	11	22	20	16	11	20	19	15	11
1060	KW	2.25	2.29	2.37	2.44	2.42	2.47	2.55	2.63	2.57	2.62	2.71	2.80	2.70	2.76	2.85	2.95	2.82	2.88	2.97	3.07	2.91	2.98	3.08	3.18	
	Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.1	12.4	12.7	13.2	12.7	13.0	13.4	13.9	
	Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492	
	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	33.1	34.1	36.9	39.6	32.3	33.3	36.0	38.7	31.5	32.5	35.2	37.7	30.8	31.7	34.3	36.8	29.2	30.1	32.6	35.0	27.1	27.9	30.2	32.4	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9-12 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 7-11 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHR1 (TV) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65				75				85				95				105				115			
		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	36.5	37.3	39.9	42.6	35.7	36.4	38.9	41.6	34.8	35.6	38.0	40.6	34.0	34.7	37.1	39.6	32.3	33.0	35.2	37.7	29.9	30.5	32.6	34.9
	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	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61
	ΔT	23	22	19	15	24	23	20	16	24	23	20	16	23	23	20	16	22	22	19	16	20	21	18	15
	kW	2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24
	Amps	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.1	11.0	11.2	11.5	11.9	11.6	11.9	12.2	12.7	12.3	12.6	13.0	13.4	13.0	13.2	13.7	14.1
Hi PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	387	404	383	412	435	454	423	456	481	502	
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	
1350	MbH	35.4	36.2	38.7	41.4	34.6	35.4	37.8	40.4	33.8	34.5	36.9	39.4	33.0	33.7	36.0	38.5	31.3	32.0	34.2	36.6	29.0	29.7	31.7	33.9
	S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.71	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	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	22	22	19	15
	kW	2.26	2.31	2.38	2.46	2.44	2.49	2.57	2.65	2.59	2.65	2.73	2.82	2.73	2.78	2.88	2.97	2.84	2.90	3.00	3.10	2.94	3.00	3.10	3.21
	Amps	9.4	9.6	9.9	10.2	10.1	10.3	10.6	11.0	10.9	11.1	11.4	11.8	11.5	11.8	12.1	12.5	12.2	12.5	12.8	13.3	12.8	13.1	13.5	14.0
Hi PR	232	250	264	275	260	280	296	309	296	319	336	351	337	363	383	400	379	408	431	450	419	451	476	497	
Lo PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174	
1060	MbH	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	31.3	32.0	34.2	36.6	29.8	30.4	32.5	34.7	27.6	28.2	30.1	32.2
	S/T	0.85	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	20	16
	kW	2.23	2.28	2.35	2.42	2.40	2.45	2.53	2.61	2.55	2.60	2.69	2.78	2.68	2.74	2.83	2.92	2.79	2.85	2.95	3.05	2.89	2.95	3.05	3.15
	Amps	9.3	9.5	9.7	10.1	9.9	10.1	10.4	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.3	12.6	13.1	12.6	12.9	13.3	13.8
Hi PR	227	245	258	269	255	275	290	302	290	312	330	344	330	356	376	392	372	400	422	441	411	442	467	487	
Lo PR	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	37.2	37.9	39.7	42.3	36.3	37.0	38.7	41.3	35.4	36.1	37.8	40.3	34.6	35.2	36.9	39.4	32.8	33.5	35.0	37.4	30.4	31.0	32.5	34.6
	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
	ΔT	25	24	23	20	25	25	23	20	24	25	23	20	24	24	24	20	22	23	20	20	21	21	22	19
	kW	2.30	2.35	2.42	2.50	2.48	2.53	2.61	2.70	2.63	2.69	2.78	2.87	2.77	2.83	2.92	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.16	3.26
	Amps	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.1	11.0	11.3	11.6	12.0	11.7	12.0	12.3	12.8	12.4	12.7	13.1	13.5	13.1	13.4	13.8	14.3
Hi PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	416	440	459	428	460	486	507	
Lo PR	115	122	134	142	122	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178	
1200	MbH	36.1	36.8	38.5	41.1	35.2	35.9	37.6	40.1	34.4	35.1	36.7	39.2	33.6	34.2	35.8	38.2	31.9	32.5	34.0	36.3	29.5	30.1	31.5	33.6
	S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.87	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	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	24	25	24	21	23	23	23	20
	kW	2.28	2.33	2.40	2.48	2.46	2.51	2.59	2.67	2.61	2.67	2.75	2.85	2.75	2.81	2.90	3.00	2.86	2.93	3.02	3.13	2.96	3.03	3.13	3.24
	Amps	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.1	11.0	11.2	11.5	11.9	11.6	11.9	12.2	12.7	12.3	12.6	13.0	13.4	13.0	13.2	13.7	14.1
Hi PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	387	404	383	412	435	454	423	456	481	502	
Lo PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	162	138	146	160	170	142	151	165	176	
1060	MbH	34.3	34.9	36.6	39.0	33.5	34.1	35.7	38.1	32.7	33.3	34.9	37.2	31.9	32.5	34.0	36.3	30.3	30.9	32.3	34.5	28.0	28.6	29.9	31.9
	S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.90	0.73
	ΔT	27	26	25	21	27	26	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	25	23	20
	kW	2.25	2.29	2.37	2.44	2.42	2.47	2.55	2.63	2.57	2.62	2.71	2.80	2.70	2.76	2.85	2.95	2.82	2.88	2.97	3.07	2.91	2.98	3.08	3.18
	Amps	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.1	12.4	12.7	13.2	12.7	13.0	13.4	13.9
Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492	
Lo PR	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 access fittings.

Design Subcooling, 9-12 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.

Shaded area reflects AHR1 conditions.

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

kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1350	MBh	34.9	36.2	39.6	-	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.6	36.9	-	30.8	32.0	35.0	-	28.6	29.6	32.4	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	2.07	2.12	2.18	-	2.23	2.28	2.35	-	2.37	2.42	2.50	-	2.49	2.55	2.63	-	2.60	2.65	2.74	-	2.69	2.75	2.84	-
		Amps	9.2	9.3	9.6	-	9.8	10.0	10.3	-	10.6	10.8	11.1	-	11.2	11.5	11.8	-	11.9	12.2	12.5	-	12.5	12.8	13.2	-
	1200	Hi PR	224	241	254	-	251	270	285	-	285	307	324	-	325	350	369	-	366	393	415	-	404	435	459	-
		Lo PR	114	121	132	-	120	128	140	-	125	133	145	-	131	140	152	-	138	146	160	-	142	151	165	-
		MBh	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.5	36.7	-	31.5	32.7	35.8	-	29.9	31.0	34.0	-	27.7	28.7	31.5	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
1060	KW	2.06	2.10	2.16	-	2.21	2.26	2.33	-	2.35	2.40	2.48	-	2.47	2.53	2.61	-	2.57	2.63	2.72	-	2.66	2.72	2.81	-	
	Amps	9.1	9.3	9.5	-	9.7	9.9	10.2	-	10.5	10.7	11.0	-	11.1	11.4	11.7	-	11.8	12.1	12.4	-	12.4	12.7	13.1	-	
	Hi PR	221	238	251	-	248	267	282	-	282	304	321	-	322	346	366	-	362	389	411	-	400	430	454	-	
	Lo PR	113	120	131	-	119	127	138	-	124	132	144	-	130	138	151	-	136	145	158	-	141	150	164	-	
	MBh	32.2	33.3	36.5	-	31.4	32.6	35.7	-	30.7	31.8	34.8	-	29.9	31.0	34.0	-	28.4	29.5	32.3	-	26.3	27.3	29.9	-	

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	1350	MBh	35.5	36.5	39.5	42.4	34.7	35.7	38.6	41.4	33.8	34.8	37.7	40.5	33.0	34.0	36.8	39.5	31.4	32.3	34.9	37.5	29.0	29.9	32.4	34.7
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		ΔT	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		KW	2.09	2.13	2.20	2.27	2.25	2.30	2.37	2.45	2.39	2.44	2.52	2.60	2.51	2.57	2.65	2.74	2.62	2.68	2.76	2.86	2.71	2.77	2.86	2.96
		Amps	9.2	9.4	9.7	10.0	9.9	10.1	10.4	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.3	12.6	13.1	12.6	12.9	13.3	13.8
	1200	Hi PR	226	243	257	268	253	273	288	300	288	310	327	342	328	353	373	389	369	397	420	438	408	439	464	484
		Lo PR	115	122	134	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
		MBh	34.4	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.8	33.8	36.6	39.3	32.0	33.0	35.7	38.3	30.4	31.3	33.9	36.4	28.2	29.0	31.4	33.7
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11
1060	KW	2.07	2.12	2.18	2.25	2.23	2.28	2.35	2.43	2.37	2.42	2.50	2.58	2.49	2.55	2.63	2.72	2.60	2.65	2.74	2.83	2.69	2.75	2.84	2.93	
	Amps	9.2	9.3	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.8	11.1	11.5	11.2	11.5	11.8	12.2	11.9	12.2	12.5	13.0	12.5	12.8	13.2	13.7	
	Hi PR	224	241	254	265	251	270	285	297	285	307	324	338	325	350	369	385	366	393	415	433	404	435	459	479	
	Lo PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	152	162	138	146	160	170	142	151	165	176	
	MBh	32.7	33.7	36.5	39.1	32.0	32.9	35.6	38.2	31.2	32.1	34.8	37.3	30.4	31.3	33.9	36.4	28.9	29.8	32.2	34.6	26.8	27.6	29.9	32.0	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 9-12 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 7-11°F @ the compressor suction access fitting connection.
 Shaded area reflects AHR1 (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																									
		65							75							85							95							105							115						
		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	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-	32.5	33.7	36.9	-														
	S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-														
1460	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-														
	KW	2.58	2.63	2.72	-	2.78	2.84	2.93	-	2.95	3.02	3.11	-	3.11	3.17	3.28	-	3.24	3.31	3.42	-	3.35	3.43	3.54	-	3.35	3.43	3.54	-														
1300	Amps	11.0	11.2	11.6	-	11.8	12.1	12.4	-	12.7	13.0	13.4	-	13.5	13.8	14.2	-	14.3	14.6	15.1	-	15.1	15.4	15.9	-	15.1	15.4	15.9	-														
	Hi PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	438	-	426	459	484	-	426	459	484	-														
1150	Lo PR	111	118	129	-	118	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	162	-	139	148	162	-														
	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-	31.5	32.7	35.8	-														
75	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-														
	ΔT	19	17	13	-	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	18	16	12	-														
1460	KW	2.56	2.61	2.69	-	2.75	2.81	2.90	-	2.93	2.99	3.09	-	3.08	3.15	3.25	-	3.21	3.28	3.39	-	3.32	3.40	3.51	-	3.32	3.40	3.51	-														
	Amps	10.9	11.2	11.5	-	11.7	12.0	12.3	-	12.6	12.9	13.3	-	13.4	13.7	14.1	-	14.2	14.5	14.9	-	14.9	15.3	15.8	-	14.9	15.3	15.8	-														
1150	Hi PR	234	251	265	-	262	282	298	-	298	321	339	-	339	365	386	-	382	411	434	-	422	454	479	-	422	454	479	-														
	Lo PR	110	117	128	-	116	124	135	-	121	129	140	-	127	135	148	-	133	142	155	-	138	146	160	-	138	146	160	-														
70	MBh	36.6	37.9	41.6	-	35.8	37.1	40.6	-	34.9	36.2	39.6	-	34.1	35.3	38.7	-	32.3	33.5	36.7	-	30.0	31.1	34.0	-	30.0	31.1	34.0	-														
	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-														
1150	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	19	16	12	-														
	KW	2.52	2.57	2.65	-	2.71	2.77	2.86	-	2.88	2.94	3.04	-	3.03	3.10	3.20	-	3.16	3.23	3.33	-	3.27	3.34	3.45	-	3.27	3.34	3.45	-														
1460	Amps	10.8	11.0	11.3	-	11.5	11.8	12.1	-	12.4	12.7	13.1	-	13.2	13.5	13.9	-	13.9	14.2	14.7	-	14.7	15.0	15.5	-	14.7	15.0	15.5	-														
	Hi PR	229	246	260	-	257	276	292	-	292	314	332	-	333	358	378	-	374	403	425	-	413	445	470	-	413	445	470	-														
75	Lo PR	108	115	125	-	114	121	132	-	119	126	138	-	124	132	145	-	130	139	152	-	135	144	157	-	135	144	157	-														
	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	38.7	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5	33.0	34.0	36.8	39.5														
1460	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.61	0.39	0.92	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.86	0.65	0.42	0.97	0.86	0.65	0.42														
	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	20	19	15	10														
1300	KW	2.60	2.65	2.74	2.83	2.80	2.86	2.95	3.05	2.98	3.04	3.14	3.24	3.13	3.20	3.31	3.42	3.26	3.34	3.45	3.56	3.38	3.45	3.57	3.69	3.38	3.45	3.57	3.69														
	Amps	11.1	11.3	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.1	13.5	14.0	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.7	15.2	15.5	16.0	16.6	15.2	15.5	16.0	16.6														
75	Hi PR	238	256	271	282	267	288	304	317	304	327	346	360	346	373	394	410	390	419	443	462	430	463	489	510	430	463	489	510														
	Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	140	149	163	174	140	149	163	174														
1460	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	37.5	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4	32.1	33.0	35.7	38.4														
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40	0.92	0.82	0.62	0.40														
1300	ΔT	22	20	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	21	19	16	11														
	KW	2.58	2.63	2.72	2.80	2.78	2.84	2.93	3.02	2.95	3.02	3.11	3.22	3.11	3.18	3.28	3.39	3.24	3.31	3.42	3.53	3.35	3.43	3.54	3.66	3.35	3.43	3.54	3.66														
75	Amps	11.0	11.2	11.6	12.0	11.8	12.1	12.4	12.8	12.7	13.0	13.4	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.1	15.6	15.1	15.4	15.9	16.5	15.1	15.4	15.9	16.5														
	Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505	426	459	484	505														
1150	Lo PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	134	143	156	166	139	148	162	172	139	148	162	172														
	MBh	37.2	38.3	41.5	44.5	36.4	37.4	40.5	43.5	35.5	36.5	39.6	42.5	34.6	35.7	38.6	41.4	32.9	33.9	36.7	39.3	30.5	31.4	34.0	36.4	30.5	31.4	34.0	36.4														
70	S/T	0.77	0.69	0.52	0.33	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.88	0.78	0.59	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38														
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	22	18	12	23	21	17	12	22	20	16	11	22	20	16	11														
1460	KW	2.54	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.06	3.12	3.22	3.33	3.18	3.25	3.36	3.47	3.29	3.37	3.48	3.60	3.29	3.37	3.48	3.60														
	Amps	10.8	11.1	11.4	11.8	11.6	11.9	12.2	12.6	12.5	12.8	13.2	13.6	13.3	13.6	14.0	14.5	14.1	14.4	14.8	15.3	14.8	15.1	15.6	16.2	14.8	15.1	15.6	16.2														
75	Hi PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495	418	449	475	495														
	Lo PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169	136	145	158	169														

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TV) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																														
		65					75					85					95					105					115					
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	
		ENTERING INDOOR WET BULB TEMPERATURE																														
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	
80	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	48.8	39.2	40.0	42.8	45.7	48.6	38.2	39.0	41.7	44.6	47.5	50.4	36.3	37.1	39.6	42.4	45.2	48.0	50.8	33.6	34.4	36.7	39.2
	S/T	0.92	0.87	0.70	0.53	0.96	0.90	0.73	0.55	0.95	0.92	0.75	0.56	0.94	0.88	1.00	0.95	0.77	0.58	0.97	0.91	1.00	1.00	0.80	0.60	0.40	0.20	1.00	1.00	0.81	0.60	
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	22	19	21	19	15	
	KW	2.62	2.68	2.76	2.85	2.82	2.88	2.98	3.07	3.16	3.23	3.00	3.07	3.17	3.27	3.36	3.16	3.23	3.33	3.45	3.54	3.63	3.29	3.37	3.48	3.60	3.72	3.41	3.48	3.60	3.72	
	Amps	11.2	11.4	11.8	12.2	12.0	12.3	12.6	13.0	13.4	13.7	12.9	13.2	13.6	14.1	14.5	13.7	14.0	14.5	15.0	15.5	16.0	14.5	14.9	15.3	15.9	16.7	15.3	15.7	16.2	16.7	
	Hi PR	241	259	273	285	270	291	307	320	330	349	307	330	349	364	380	350	376	397	415	432	447	394	423	447	466	484	435	468	494	515	
Lo PR	114	121	132	140	120	128	139	148	125	133	145	154	161	170	151	131	139	152	162	170	181	137	146	159	170	181	142	151	165	176		
1300	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	48.4	38.0	38.9	41.5	44.4	47.3	37.1	37.9	40.5	43.3	46.1	48.9	35.2	36.0	38.5	41.1	43.7	46.3	48.9	32.6	33.4	35.6	38.1
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.97	0.91	0.74	0.55	0.98	0.92	1.00	0.94	0.77	0.57	0.37	1.00	0.95	0.77	0.58		
	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	22	19	16	
	KW	2.60	2.66	2.74	2.83	2.80	2.86	2.95	3.05	3.14	3.24	2.98	3.04	3.14	3.24	3.34	3.13	3.20	3.31	3.42	3.52	3.62	3.26	3.34	3.45	3.56	3.67	3.38	3.45	3.57	3.69	
	Amps	11.1	11.3	11.7	12.1	11.9	12.2	12.5	12.9	13.3	13.7	12.8	13.1	13.5	14.0	14.4	13.6	13.9	14.3	14.8	15.2	15.7	14.4	14.7	15.2	15.7	16.6	15.2	15.5	16.0	16.6	
	Hi PR	238	256	271	282	267	288	304	317	304	327	346	360	373	384	394	346	373	394	410	426	442	390	419	443	462	480	430	463	489	510	
Lo PR	112	120	131	139	119	126	138	147	123	131	143	153	161	170	151	131	139	152	162	170	181	136	145	158	168	177	141	149	163	174		
1150	MBh	37.9	38.7	41.4	44.2	37.0	37.8	40.4	43.2	46.0	36.1	36.9	39.4	42.2	45.0	35.2	36.0	38.5	41.1	43.7	46.3	33.5	34.2	36.6	39.1	41.7	44.3	46.9	31.0	31.7	33.9	36.2
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.93	0.87	0.71	0.53	0.96	0.90	0.96	0.90	0.73	0.55	0.37	0.97	0.91	0.74	0.55		
	ΔT	26	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	23	20	16	
	KW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	3.09	3.19	2.93	2.99	3.09	3.19	3.29	3.08	3.15	3.25	3.36	3.46	3.56	3.21	3.28	3.39	3.50	3.62	3.32	3.40	3.51	3.63	
	Amps	10.9	11.2	11.5	11.9	11.7	12.0	12.3	12.7	13.1	13.5	12.6	12.9	13.3	13.7	14.1	13.4	13.7	14.1	14.6	15.0	15.5	14.2	14.5	14.9	15.5	16.3	14.9	15.3	15.8	16.3	
	Hi PR	234	251	265	277	262	282	298	311	298	321	339	353	366	380	394	339	365	386	402	416	430	382	411	434	453	472	422	454	479	500	
Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	160	170	151	127	135	148	157	166	176	133	142	155	165	175	138	146	160	170		
85	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	49.4	39.9	40.6	42.5	45.4	48.3	38.9	39.6	41.5	44.3	47.1	50.0	36.9	37.6	39.4	42.1	44.9	47.7	50.5	34.2	34.9	36.5	39.0
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	0.98	0.99	0.90	0.73	0.97	0.92	1.00	1.00	0.92	0.75	0.98	0.93	1.00	1.00	0.96	0.78	0.60	1.00	1.00	0.97	0.79		
	ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	25	24	21	26	25	24	21	23	24	24	21	22	22	22	22	19	21	
	KW	2.64	2.70	2.78	2.87	2.85	2.91	3.00	3.10	3.19	3.29	3.03	3.09	3.19	3.30	3.39	3.18	3.26	3.36	3.48	3.59	3.69	3.32	3.39	3.51	3.63	3.76	3.44	3.51	3.63	3.76	
	Amps	11.3	11.5	11.9	12.3	12.1	12.4	12.7	13.2	13.6	14.0	13.0	13.3	13.7	14.2	14.6	13.8	14.2	14.6	15.1	15.5	16.0	14.7	15.0	15.5	16.0	16.9	15.5	15.8	16.3	16.9	
	Hi PR	243	262	276	288	273	294	310	323	310	334	352	368	383	398	413	353	380	401	419	437	455	397	428	452	471	490	439	473	499	520	
Lo PR	115	122	133	142	121	129	141	150	126	134	146	156	166	176	155	132	141	154	164	174	184	139	147	161	171	181	143	152	166	177		
1300	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	47.9	38.7	39.4	41.3	44.1	46.9	37.7	38.5	40.3	43.0	45.7	48.4	35.9	36.6	38.3	40.8	43.5	46.2	48.9	33.2	33.9	35.5	37.8
	S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	0.97	0.92	1.00	0.98	0.88	0.72	0.99	0.94	1.00	1.00	0.92	0.74	0.56	1.00	1.00	0.92	0.75		
	ΔT	26	26	25	21	27	26	25	22	27	26	25	22	27	26	25	22	27	25	22	27	25	25	25	21	23	24	24	23	20	20	
	KW	2.62	2.68	2.76	2.85	2.82	2.88	2.98	3.07	3.16	3.25	3.00	3.07	3.17	3.27	3.36	3.16	3.23	3.33	3.45	3.56	3.66	3.29	3.37	3.48	3.60	3.72	3.41	3.48	3.60	3.72	
	Amps	11.2	11.4	11.8	12.2	12.0	12.3	12.6	13.0	13.4	13.8	12.9	13.2	13.6	14.1	14.5	13.7	14.0	14.5	15.0	15.5	16.0	14.5	14.9	15.3	15.9	16.7	15.3	15.7	16.2	16.7	
	Hi PR	241	259	273	285	270	291	307	320	307	330	349	364	379	394	409	350	376	397	415	432	450	394	423	447	466	484	435	468	494	515	
Lo PR	114	121	132	140	120	128	139	148	125	133	145	154	163	172	151	131	139	152	162	171	180	137	146	159	170	181	142	151	165	176		
1150	MBh	38.5	39.3	41.2	43.9	37.7	38.4	40.2	42.9	45.6	36.8	37.5	39.2	41.9	44.6	35.9	36.6	38.3	40.8	43.3	45.8	34.1	34.7	36.4	38.8	41.3	43.8	46.3	31.6	32.2	33.7	35.9
	S/T	0.88	0.85	0.77	0.62	0.92	0.88	0.80	0.65	0.94	0.91	0.82	0.66	0.96	0.91	1.00	0.98	0.94	0.78	0.99	0.94	1.00	0.97	0.88	0.71	0.53	1.00	0.98	0.88	0.72		
	ΔT	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	25	22	22	25	25	25	24	21	
	KW	2.58	2.63	2.72	2.80	2.78	2.84	2.93	3.02	3.11	3.20	2.95	3.02	3.11	3.20	3.29	3.11	3.17	3.28	3.39	3.50	3.60	3.24	3.31	3.42	3.53	3.64	3.35	3.43	3.54	3.66	
	Amps	11.0	11.2	11.6	12.0	11.8	12.1	12.4	12.8	13.2	13.6	12.7	13.0	13.4	13.8	14.2	13.5	13.8	14.2	14.7	15.1	15.5	14.3	14.6	15.1	15.6	16.4	15.1	15.4	15.9	16.4	
	Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	371	385	399	343	369	390	406	421	436	386	415	438	457	476	426	459	484	505	
Lo PR	111	118	129	138	118	125	136	145	122	130	142	151	160	170	151	128	136	149	159	168	177	134	143	156	166	175	139	148	162	172		

IDB = Entering Indoor Dry Bulb Temperature
 Shaded area reflects AHRI conditions.
 KW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79
		ENTERING INDOOR WET BULB TEMPERATURE																																			
70	MBh	41.6	43.1	47.3	-	40.7	42.1	46.2	-	39.7	41.1	45.1	-	38.7	40.1	44.0	-	36.8	38.1	41.8	-	34.1	35.3	38.7	-	36.8	38.1	41.8	-	34.1	35.3	38.7	-				
	S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-				
	Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	20	17	13	-	18	16	12	-				
	1448	KW	2.68	2.74	2.82	-	2.89	2.95	3.05	-	3.07	3.14	3.24	-	3.24	3.31	3.42	-	3.37	3.45	3.57	-	3.49	3.57	3.69	-	3.37	3.45	3.57	-	3.49	3.57	3.69	-			
70	AMPS	11.3	11.6	11.9	-	12.2	12.4	12.8	-	13.1	13.4	13.8	-	13.9	14.2	14.7	-	14.8	15.1	15.6	-	15.6	15.9	16.4	-	14.8	15.1	15.6	-	15.6	15.9	16.4	-				
	HI PR	237	255	269	-	266	286	302	-	302	325	343	-	344	370	391	-	387	417	440	-	428	460	486	-	387	417	440	-	428	460	486	-				
	LO PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	132	140	153	-	136	145	158	-				
	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.8	-	37.6	39.0	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.6	-	35.7	37.0	40.5	-	33.1	34.3	37.6	-				
70	S/T	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-				
	Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	21	18	14	-	19	17	13	-				
	1290	KW	2.66	2.72	2.80	-	2.87	2.93	3.02	-	3.05	3.12	3.22	-	3.21	3.28	3.39	-	3.35	3.42	3.54	-	3.46	3.54	3.66	-	3.35	3.42	3.54	-	3.46	3.54	3.66	-			
	AMPS	11.3	11.5	11.8	-	12.1	12.3	12.7	-	13.0	13.3	13.7	-	13.8	14.1	14.6	-	14.6	15.0	15.4	-	15.4	15.8	16.3	-	14.6	15.0	15.4	-	15.4	15.8	16.3	-				
1142	HI PR	234	252	266	-	263	283	299	-	299	322	340	-	341	367	387	-	383	413	436	-	424	456	481	-	383	413	436	-	424	456	481	-				
	LO PR	108	115	125	-	114	121	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	151	-	131	139	152	-	135	144	151	-				
	MBh	38.4	39.8	43.6	-	37.5	38.9	42.6	-	36.6	37.9	41.6	-	35.7	37.0	40.5	-	33.9	35.2	38.5	-	31.4	32.6	35.7	-	33.9	35.2	38.5	-	31.4	32.6	35.7	-				
	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-				
1142	Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	19	14	-	21	18	14	-	20	17	13	-	21	18	14	-	20	17	13	-				
	1142	KW	2.62	2.67	2.76	-	2.82	2.88	2.97	-	3.00	3.06	3.16	-	3.16	3.23	3.33	-	3.29	3.36	3.48	-	3.41	3.48	3.60	-	3.29	3.36	3.48	-	3.41	3.48	3.60	-			
	AMPS	11.1	11.3	11.6	-	11.9	12.1	12.5	-	12.8	13.1	13.5	-	13.6	13.9	14.3	-	14.4	14.7	15.2	-	15.2	15.5	16.0	-	14.4	14.7	15.2	-	15.2	15.5	16.0	-				
	HI PR	230	247	261	-	258	277	293	-	293	316	333	-	334	359	380	-	376	404	427	-	415	447	472	-	376	404	427	-	415	447	472	-				
75	LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-	128	136	149	-	132	141	154	-				
	MBh	42.3	43.6	47.2	50.6	41.3	42.6	46.1	49.4	40.4	41.5	45.0	48.3	39.4	40.5	43.9	47.1	37.4	38.5	41.7	44.7	34.6	35.7	38.6	41.4	37.4	38.5	41.7	44.7	34.6	35.7	38.6	41.4				
	S/T	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.93	0.83	0.63	0.40				
	Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	22	20	16	11	23	21	17	12	22	20	17	12				
1448	KW	2.70	2.76	2.85	2.94	2.91	2.98	3.07	3.18	3.10	3.17	3.27	3.38	3.26	3.34	3.45	3.56	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85				
	Amps	11.4	11.7	12.0	12.4	12.3	12.5	12.9	13.3	13.2	13.5	13.9	14.4	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1				
	HI PR	239	257	272	284	268	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	512	391	421	445	464	432	465	491	512				
	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	133	142	155	165	138	147	160	170				
75	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.9	38.2	39.4	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2				
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40				
	Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	12	22	20	17	12	24	22	18	12	22	20	17	12				
	1290	KW	2.68	2.74	2.83	2.92	2.89	2.95	3.05	3.15	3.07	3.14	3.25	3.35	3.24	3.31	3.42	3.53	3.37	3.45	3.57	3.69	3.49	3.57	3.69	3.82	3.37	3.45	3.57	3.69	3.49	3.57	3.69	3.82			
1142	Amps	11.3	11.6	11.9	12.3	12.2	12.4	12.8	13.2	13.1	13.4	13.8	14.3	13.9	14.2	14.7	15.2	14.8	15.1	15.6	16.1	15.6	15.9	16.4	17.0	14.8	15.1	15.6	16.1	15.6	15.9	16.4	17.0				
	HI PR	237	255	269	281	266	286	302	315	302	325	344	358	344	371	391	408	387	417	440	459	428	461	486	507	387	417	440	459	428	461	486	507				
	LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	136	145	159	169	132	140	153	163	136	145	159	169				
	MBh	39.0	40.2	43.5	46.7	38.1	39.3	42.5	45.6	37.2	38.3	41.5	44.5	36.3	37.4	40.5	43.4	34.5	35.5	38.4	41.3	32.0	32.9	35.6	38.2	34.5	35.5	38.4	41.3	32.0	32.9	35.6	38.2				
1142	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39				
	Delta T	24	22	18	13	25	23	19	13	25	23	19	13	25	23	19	13	24	23	18	13	23	21	17	12	24	23	18	13	23	21	17	12				
	KW	2.64	2.69	2.78	2.87	2.84	2.90	3.00	3.10	3.02	3.09	3.19	3.30	3.18	3.25	3.36	3.47	3.32	3.39	3.51	3.62	3.43	3.51	3.63	3.75	3.32	3.39	3.51	3.62	3.43	3.51	3.63	3.75				
	Amps	11.2	11.4	11.7	12.1	12.0	12.2	12.6	13.0	12.9	13.2	13.6	14.0	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.8	15.3	15.6	16.1	16.7	14.5	14.8	15.3	15.8	15.3	15.6	16.1	16.7				
1142	HI PR	232	250	264	275	260	280	296	309	296	319	337	351	337	363	383	400	380	408	431	450	419	451	477	497	380	408	431	450	419	451	477	497				
	LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	153	129	138	150	160	134	142	155	165	129	138	150	160	134	142	155	165				

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling: 8-12 °F @ the liquid access fitting connection AHRI 95

IDB		OUTDOOR AMBIENT TEMPERATURE												105												115																																																		
		65						75						85						95						105						115																																												
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79																																							
ENTERING INDOOR WET BULB TEMPERATURE												ENTERING INDOOR DRY BULB TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												ENTERING INDOOR DRY BULB TEMPERATURE																																								
80	1448	MBh	43.1	44.0	47.0	50.3	42.1	43.0	45.9	49.1	41.1	42.0	44.8	47.9	40.1	40.9	43.7	46.8	38.1	38.9	41.6	44.4	35.3	36.0	38.5	41.2	40.1	40.9	43.7	46.8	38.1	38.9	41.6	44.4	35.3	36.0	38.5	41.2	40.1	40.9	43.7	46.8	38.1	38.9	41.6	44.4	35.3	36.0	38.5	41.2	40.1	40.9	43.7	46.8	38.1	38.9	41.6	44.4	35.3	36.0	38.5	41.2														
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61	
	ΔT	25	24	21	17	26	25	21	17	17	26	25	21	17	25	25	22	17	24	24	25	21	17	22	23	20	16	25	25	22	17	24	24	25	21	17	22	23	20	16	25	25	22	17	24	24	25	21	17	22	23	20	16	25	25	22	17	24	24	25	21	17	22	23	20	16										
	KW	2.72	2.78	2.87	2.97	2.94	3.00	3.10	3.20	3.13	3.19	3.30	3.41	3.29	3.36	3.48	3.60	3.43	3.43	3.51	3.63	3.75	3.55	3.63	3.76	3.89	3.29	3.36	3.48	3.60	3.43	3.43	3.51	3.63	3.75	3.55	3.63	3.76	3.89	3.29	3.36	3.48	3.60	3.43	3.43	3.51	3.63	3.75	3.55	3.63	3.76	3.89	3.29	3.36	3.48	3.60	3.43	3.43	3.51	3.63	3.75	3.55	3.63	3.76	3.89											
	Amps	11.5	11.8	12.1	12.5	12.4	12.6	13.0	13.5	13.3	13.6	14.0	14.5	14.2	14.5	14.9	15.5	15.0	15.0	15.3	15.8	16.4	15.8	16.2	16.7	17.3	14.2	14.5	14.9	15.5	15.0	15.3	15.8	16.4	15.8	16.2	16.7	17.3	14.2	14.5	14.9	15.5	15.0	15.3	15.8	16.4	15.8	16.2	16.7	17.3	14.2	14.5	14.9	15.5	15.0	15.3	15.8	16.4	15.8	16.2	16.7	17.3														
	Hi PR	242	260	275	286	271	292	308	321	308	332	350	366	351	378	399	416	395	425	449	468	437	470	496	517	351	378	399	416	395	425	449	468	437	470	496	517	351	378	399	416	395	425	449	468	437	470	496	517	351	378	399	416	395	425	449	468	437	470	496	517															
	Lo PR	111	118	129	138	118	125	137	146	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172	122	130	142	151	128	137	149	159	135	143	156	166	122	130	142	151	128	137	149	159	135	143	156	166	122	130	142	151	128	137	149	159	135	143	156	166															
	MBh	41.8	42.7	45.7	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.8	42.5	45.4	37.0	37.8	40.3	43.1	34.2	35.0	37.4	40.0	38.9	39.8	42.5	45.4	37.0	37.8	40.3	43.1	34.2	35.0	37.4	40.0	38.9	39.8	42.5	45.4	37.0	37.8	40.3	43.1	34.2	35.0	37.4	40.0	38.9	39.8	42.5	45.4	37.0	37.8	40.3	43.1	34.2	35.0	37.4	40.0															
	S/T	0.89	0.83	0.68	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.95	0.77	0.57	1.00	0.95	0.78	0.58	0.97	0.91	0.74	0.55	1.00	0.95	0.77	0.57	1.00	0.95	0.78	0.58	0.97	0.91	0.74	0.55	1.00	0.95	0.77	0.57	1.00	0.95	0.78	0.58	0.97	0.91	0.74	0.55	1.00	0.95	0.77	0.57	1.00	0.95	0.78	0.58															
	ΔT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	26	26	25	22	18	24	24	21	17	26	26	22	18	27	26	22	18	26	26	25	22	18	24	24	21	17	26	26	22	18	27	26	22	18	26	26	25	22	18	24	24	21	17	26	26	22	18	27	26	22	18	26	26	25	22	18	24	24	21
KW	2.70	2.76	2.85	2.94	2.91	2.98	3.07	3.18	3.10	3.17	3.27	3.38	3.26	3.34	3.45	3.57	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85	3.26	3.34	3.45	3.57	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85	3.26	3.34	3.45	3.57	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85	3.26	3.34	3.45	3.57	3.40	3.48	3.60	3.72	3.52	3.60	3.73	3.85																
Amps	11.4	11.7	12.0	12.4	12.3	12.5	12.9	13.3	13.2	13.5	13.9	14.4	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1	14.1	14.4	14.8	15.3	14.9	15.2	15.7	16.2	15.7	16.1	16.6	17.1																
Hi PR	239	257	272	284	268	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	512	348	374	395	412	391	421	445	464	432	465	491	512	348	374	395	412	391	421	445	464	432	465	491	512	348	374	395	412	391	421	445	464	432	465	491	512																
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	171	121	129	141	150	127	135	148	157	133	142	155	165	121	129	141	150	127	135	148	157	133	142	155	165	121	129	141	150	127	135	148	157	133	142	155	165																

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 8-12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8-12°F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions.
 KW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-
		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	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	3.03	3.09	3.19	-	3.27	3.34	3.45	-	3.48	3.56	3.67	-	3.66	3.75	3.87	-	3.82	3.91	4.04	-	3.96	4.05	4.19	-
		Amps	13.3	13.6	14.0	-	14.3	14.6	15.0	-	15.4	15.7	16.2	-	16.3	16.7	17.2	-	17.3	17.7	18.2	-	18.2	18.6	19.2	-
	1600	Hi PR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	398	-	394	424	448	-	436	469	495	-
		Lo PR	109	116	127	-	116	123	134	-	120	128	140	-	126	134	147	-	132	141	154	-	137	146	159	-
		MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-
		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	0.69	0.47	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
1400	KW	3.00	3.07	3.17	-	3.24	3.31	3.42	-	3.45	3.53	3.64	-	3.63	3.72	3.84	-	3.79	3.88	4.01	-	3.93	4.02	4.15	-	
	Amps	13.2	13.5	13.9	-	14.2	14.5	14.9	-	15.2	15.6	16.0	-	16.2	16.6	17.1	-	17.1	17.5	18.1	-	18.1	18.5	19.0	-	
	Hi PR	239	257	271	-	268	288	305	-	305	328	346	-	347	374	394	-	391	420	444	-	431	464	490	-	
	Lo PR	108	115	126	-	114	122	133	-	119	127	138	-	125	133	145	-	131	139	152	-	135	144	157	-	
	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-	

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
75	1800	MBh	45.8	47.2	51.1	54.8	44.8	46.1	49.9	53.6	43.7	45.0	48.7	52.3	42.6	43.9	47.5	51.0	40.5	41.7	45.1	48.5	37.5	38.6	41.8	44.9
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	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	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
		KW	3.05	3.12	3.22	3.33	3.30	3.37	3.48	3.60	3.51	3.59	3.71	3.83	3.70	3.78	3.91	4.04	3.86	3.94	4.08	4.22	3.99	4.09	4.22	4.37
		Amps	13.4	13.7	14.1	14.6	14.4	14.7	15.1	15.6	15.5	15.8	16.3	16.9	16.5	16.8	17.3	17.9	17.4	17.8	18.4	19.0	18.4	18.8	19.4	20.1
	1600	Hi PR	244	262	277	289	273	294	311	324	311	335	353	369	354	381	402	420	398	429	453	472	440	474	500	522
		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
		MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6
		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	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
1400	KW	3.03	3.10	3.20	3.30	3.27	3.34	3.45	3.57	3.48	3.56	3.68	3.80	3.67	3.75	3.87	4.01	3.82	3.91	4.04	4.18	3.96	4.05	4.19	4.33	
	Amps	13.3	13.6	14.0	14.5	14.3	14.6	15.0	15.5	15.4	15.7	16.2	16.7	16.3	16.7	17.2	17.8	17.3	17.7	18.2	18.8	18.2	18.6	19.2	19.9	
	Hi PR	241	260	274	286	271	291	308	321	308	331	350	365	351	377	398	416	394	425	448	468	436	469	495	517	
	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	
	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.3	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Subcooling, 10-13 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10-14 °F @ the compressor suction access fitting connection.
 Shaded area reflects AHRI (TVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 KW = Total system power

EXPANDED HEATING DATA

GPH1624H41**

	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	16.2	15.0	13.8	13.0	12.5	11.2	10.0	8.7	7.4	6.1
T/R	30.3	28.7	27.0	25.3	24.1	23.4	21.7	20.0	17.1	15.8	14.6	13.8	13.2	11.9	10.5	9.2	7.8	6.4
kW	1.96	1.92	1.88	1.84	1.81	1.80	1.76	1.72	1.70	1.66	1.62	1.60	1.58	1.54	1.50	1.46	1.42	1.38
Amps	9.8	9.1	8.5	8.1	7.8	7.7	7.3	6.9	6.6	6.4	6.1	6.0	5.9	5.6	5.3	5.0	4.7	4.3
COP	4.28	4.14	3.98	3.80	3.68	3.60	3.42	3.23	2.78	2.63	2.48	2.38	2.32	2.13	1.94	1.74	1.53	1.29
HI PR	397	381	366	350	342	335	322	309	296	283	272	265	260	251	241	231	223	215
LO PR	140	129	121	111	105	101	93	83	75	67	59	55	53	44	38	32	28	22

GPH1630H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.7	32.8	30.9	28.9	27.6	26.7	24.8	22.9	19.2	17.7	16.3	15.4	14.8	13.3	11.8	10.3	8.8	7.2
T/R	30.6	29.0	27.3	25.5	24.3	23.6	21.9	20.2	16.9	15.6	14.4	13.6	13.1	11.7	10.4	9.1	7.7	6.3
kW	2.37	2.32	2.27	2.22	2.19	2.17	2.13	2.08	2.03	1.98	1.94	1.91	1.89	1.84	1.79	1.74	1.69	1.64
Amps	11.7	10.9	10.2	9.7	9.3	9.2	8.7	8.3	7.9	7.6	7.3	7.1	7.0	6.7	6.3	6.0	5.6	5.1
COP	4.28	4.14	3.98	3.81	3.68	3.60	3.42	3.23	2.76	2.61	2.47	2.36	2.30	2.12	1.93	1.73	1.52	1.28
HI PR	408	391	376	359	351	344	331	318	304	291	279	272	268	257	247	237	229	221
LO PR	132	123	115	105	100	96	88	78	71	63	56	52	50	42	36	31	27	21

GPH1636H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.5	38.3	36.1	33.7	32.2	31.2	29.0	26.7	25.4	23.5	21.6	20.4	19.6	17.6	15.6	13.6	11.6	9.5
T/R	31.2	29.6	27.8	26.0	24.8	24.1	22.4	20.6	19.6	18.1	16.7	15.7	15.2	13.6	12.1	10.5	9.0	7.4
kW	2.84	2.78	2.73	2.67	2.64	2.61	2.56	2.50	2.52	2.46	2.40	2.37	2.35	2.29	2.23	2.18	2.12	2.06
Amps	14.1	13.1	12.3	11.7	11.3	11.1	10.5	10.1	9.7	9.3	8.9	8.7	8.6	8.2	7.8	7.4	6.9	6.3
COP	4.17	4.03	3.87	3.69	3.57	3.49	3.31	3.12	2.95	2.79	2.63	2.52	2.45	2.25	2.05	1.83	1.61	1.35
HI PR	391	375	360	344	336	330	317	304	291	278	267	261	256	246	237	227	219	211
LO PR	133	123	115	106	100	96	88	79	71	63	56	52	50	42	36	31	27	21

GPH1636H41B*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.5	38.3	36.1	33.7	32.2	31.2	29.0	26.7	24.5	22.7	20.9	19.7	19.0	17.0	15.1	13.2	11.2	9.2
T/R	31.2	29.6	27.8	26.0	24.8	24.1	22.4	20.6	18.9	17.5	16.1	15.2	14.6	13.1	11.6	10.2	8.7	7.1
kW	2.81	2.76	2.70	2.64	2.61	2.59	2.53	2.48	2.52	2.46	2.40	2.37	2.35	2.29	2.23	2.17	2.11	2.05
Amps	14.7	13.7	12.9	12.1	11.7	11.5	10.9	10.4	10.0	9.6	9.2	9.0	8.9	8.5	8.0	7.5	7.0	6.4
COP	4.21	4.07	3.91	3.73	3.61	3.53	3.35	3.16	2.85	2.69	2.54	2.43	2.37	2.18	1.98	1.77	1.56	1.31
EER	14.4	13.9	13.4	12.8	12.3	12.1	11.4	10.8	9.7	9.2	8.7	8.3	8.1	7.4	6.8	6.1	5.3	4.5
HI PR	385	369	355	339	331	325	312	300	287	274	263	257	252	243	233	224	216	208
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

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

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

High pressure is measured at the liquid line access fitting; low pressure is measured at the compressor suction access fitting.

kW = Total system power

GPH1642H41A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	47.3	44.7	42.1	39.4	37.6	36.4	33.8	31.2	26.9	24.8	22.9	21.6	20.8	18.7	16.5	14.4	12.3	10.1
T/R	33.7	31.9	30.0	28.0	26.8	26.0	24.1	22.2	19.2	17.7	16.3	15.4	14.8	13.3	11.8	10.3	8.8	7.2
kW	3.25	3.18	3.12	3.05	3.02	2.99	2.93	2.86	2.85	2.79	2.72	2.69	2.66	2.59	2.53	2.46	2.40	2.33
Amps	16.5	15.4	14.5	13.7	13.2	13.0	12.3	11.7	11.3	10.8	10.4	10.2	10.0	9.6	9.0	8.6	8.0	7.3
COP	4.26	4.11	3.95	3.77	3.65	3.57	3.38	3.19	2.76	2.61	2.46	2.35	2.29	2.11	1.92	1.71	1.50	1.27
HI PR	395	379	364	348	340	333	320	308	295	281	270	264	259	249	240	230	222	214
LO PR	131	122	114	105	99	95	88	78	70	63	55	51	49	42	36	30	27	21

GPH1642H41B*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	51.7	48.9	46.0	43.0	41.1	39.8	37.0	34.1	30.7	28.4	26.1	24.7	23.8	21.3	18.9	16.5	14.1	11.5
T/R	37.1	35.1	33.0	30.9	29.5	28.6	26.6	24.5	22.1	20.4	18.7	17.7	17.0	15.3	13.6	11.8	10.1	8.3
kW	3.42	3.35	3.28	3.21	3.17	3.14	3.08	3.01	2.99	2.92	2.86	2.81	2.79	2.72	2.65	2.58	2.51	2.44
Amps	17.0	15.9	14.9	14.1	13.6	13.4	12.7	12.1	11.6	11.2	10.7	10.5	10.3	9.9	9.3	8.8	8.2	7.5
COP	4.42	4.27	4.11	3.92	3.79	3.71	3.52	3.32	3.00	2.84	2.68	2.57	2.49	2.30	2.09	1.87	1.64	1.38
EER	15.1	14.6	14.0	13.4	13.0	12.7	12.0	11.3	10.3	9.7	9.1	8.8	8.5	7.8	7.1	6.4	5.6	4.7
HI PR	403	386	371	355	347	340	327	314	301	287	276	269	264	254	244	234	226	218
LO PR	142	132	124	113	107	103	95	84	76	68	60	56	54	45	39	33	29	23

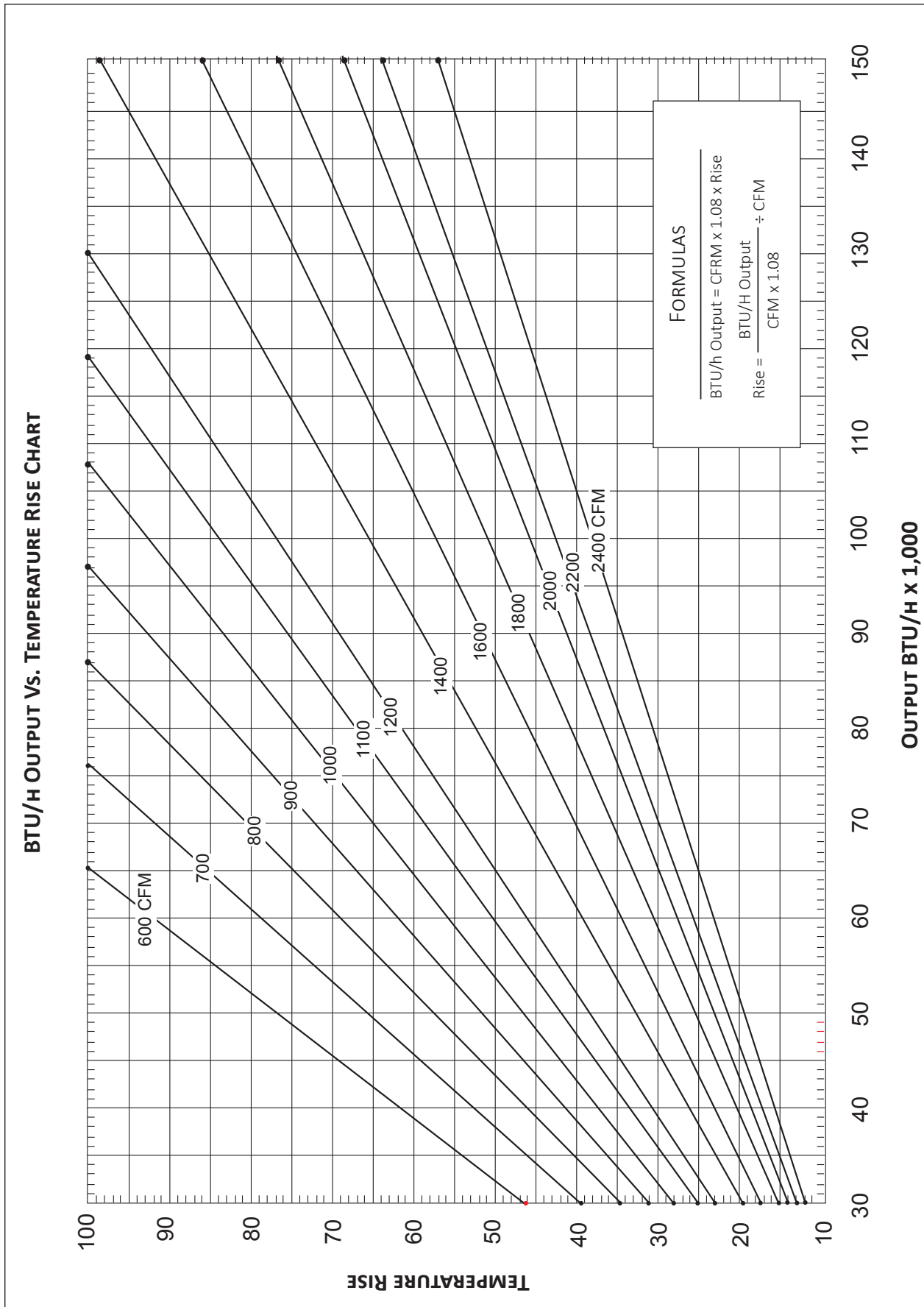
GPH1648H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	32.4	29.9	27.5	26.0	25.0	22.5	19.9	17.4	14.8	12.1
T/R	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	18.7	17.3	15.9	15.0	14.5	13.0	11.5	10.1	8.6	7.0
kW	3.74	3.66	3.59	3.51	3.47	3.44	3.36	3.29	3.33	3.25	3.17	3.13	3.10	3.02	2.94	2.86	2.78	2.71
Amps	18.8	17.5	16.5	15.6	15.1	14.8	14.1	13.4	12.9	12.4	11.9	11.6	11.5	11.0	10.4	9.8	9.2	8.5
COP	4.33	4.18	4.02	3.84	3.71	3.63	3.45	3.25	2.85	2.69	2.54	2.43	2.37	2.18	1.98	1.77	1.56	1.31
HI PR	382	366	352	337	329	323	310	298	285	272	261	255	251	241	232	222	214	207
LO PR	132	122	114	105	99	95	88	78	70	63	55	51	50	42	36	31	27	21

GPH1660H41**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	69.8	66.0	62.2	58.1	55.5	53.8	49.9	46.1	40.0	36.9	34.0	32.1	30.9	27.7	24.6	21.4	18.3	15.0
T/R	38.0	36.0	33.9	31.7	30.3	29.3	27.2	25.1	21.8	20.1	18.5	17.5	16.9	15.1	13.4	11.7	10.0	8.2
kW	4.76	4.66	4.56	4.47	4.41	4.37	4.27	4.17	4.15	4.05	3.95	3.89	3.85	3.75	3.65	3.55	3.45	3.35
Amps	25.7	24.0	22.6	21.4	20.7	20.3	19.3	18.5	17.8	17.1	16.4	16.0	15.9	15.2	14.3	13.6	12.8	11.7
COP	4.29	4.14	3.99	3.81	3.68	3.60	3.42	3.23	2.82	2.67	2.52	2.41	2.35	2.17	1.97	1.77	1.55	1.31
HI PR	404	388	373	356	348	341	328	315	302	288	277	270	265	255	245	235	227	219
LO PR	129	119	112	103	97	93	86	76	69	62	54	50	48	41	35	30	26	20

Above information is for nominal CFM and 70° indoor dry bulb. Instantaneous capacity listed. AMPS: Unit amps (comp.+ evaporator motor + condenser fan motor)
 High pressure is measured at the liquid line access fitting; low pressure is measured at the compressor suction access fitting. kW = Total system power



MODEL	SPEED*	VOLTS		E.S.P. (IN. OF H ₂ O)							
				0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80
GPH16 24H41**	T1	230	CFM Watts	914 69	866 80	818 91	770 102	722 114	674 125	626 136	578 147
	T2, T3	230	CFM Watts	914 69	866 80	818 91	770 102	722 114	674 125	626 136	578 147
	T4, T5	230	CFM Watts	1,231 168	1,179 180	1,127 193	1,074 205	1,022 218	969 230	917 243	865 255
GPH16 30H41**	T1	230	CFM Watts	1,005 91	961 102	918 114	874 125	831 137	787 149	744 160	700 172
	T2, T3	230	CFM Watts	1,110 120	1,067 132	1,023 144	980 155	936 167	893 178	849 190	806 202
	T4, T5	230	CFM Watts	1,462 241	1,409 253	1,357 266	1,305 278	1,252 291	1,200 303	1,147 315	1,095 328
GPH16 36H41**	T1	230	CFM Watts	1,151 132	1,097 144	1,042 156	988 169	933 181	879 194	824 206	770 219
	T2, T3	230	CFM Watts	1,261 131	1,215 144	1,169 157	1,123 169	1,076 182	1,030 194	984 207	937 220
	T4, T5	230	CFM Watts	1,577 277	1,525 290	1,472 302	1,420 314	1,367 327	1,315 339	1,263 352	1,210 364
GPH16 42H41A*	T1	230	CFM Watts	1,165 118	1,122 130	1,080 142	1,037 154	995 166	953 178	910 190	868 202
	T2, T3	230	CFM Watts	1,365 188	1,322 200	1,280 212	1,237 224	1,195 236	1,153 248	1,110 260	1,068 272
	T4, T5	230	CFM Watts	1,645 285	1,602 297	1,560 309	1,517 321	1,475 333	1,433 346	1,390 358	1,348 370
GPH16 42H41B*	T1	230	CFM Watts	1,057 128	939 134	839 148	745 162	657 168	570 180	497 192	-- --
	T2, T3	230	CFM Watts	1,365 188	1,322 200	1,280 212	1,237 224	1,195 236	1,153 248	1,110 260	1,068 272
	T4, T5	230	CFM Watts	1,645 285	1,602 297	1,560 309	1,517 321	1,475 333	1,433 346	1,390 358	1,348 370
GPH16 48H41**	T1	230	CFM Watts	1,130 125	1,080 139	1,020 150	968 161	993 175	887 186	826 190	762 207
	T2, T3	230	CFM Watts	1,712 337	1,655 348	1,587 358	1,541 375	1,486 385	1,444 405	1,393 414	1,340 416
	T4, T5	230	CFM Watts	2,002 498	1,935 521	1,885 516	1,827 534	1,767 385	1,732 567	1,669 571	1,618 574
GPH16 60H41**	T1	230	CFM Watts	1,451 216	1,375 224	1,321 230	1,286 240	1,233 248	1,191 262	1,108 266	1,083 288
	T2, T3	230	CFM Watts	1,913 408	1,834 418	1,762 432	1,698 438	1,670 446	1,619 454	1,567 456	1,531 476
	T4, T5	230	CFM Watts	2,049 506	1,948 522	1,914 528	1,851 548	1,811 544	1,770 548	1,738 556	1,685 568

* Speed set at T2 at factory.

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW / BTU@ 240V
	MCA ¹	MOD ²	MCA ¹	MOD ²	MCA ¹	MOP ²	
GPH1624H41**	4.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	46	50	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	58	60	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	71	80	9.5 / 32,400
GPH1630H41**	4.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	48	50	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	60	60	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	73	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	97	100	14.25 / 48,600
GPH1636H41**	4.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	51	60	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	63	70	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	76	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	101	110	14.25 / 48,600
GPH1636H41B*	4.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	50	50	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	61	70	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	74	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	99.1	100	14.25 / 48,600
GPH1642H41**	6.8	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	53	60	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	65	70	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	78	80	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	102	110	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	127	150	19.0 / 64,800
GPH1648H41**	6.8	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	59	70	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	71	80	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	84	90	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	109	110	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	134	150	19.0 / 64,800
GPH1660H41**	6.8	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	59	70	4.75 / 16,200
HKR-08C*	32 / 36	35 / 40	---	---	71	80	7 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	84	90	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	109	110	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	134	150	19.0 / 64,800

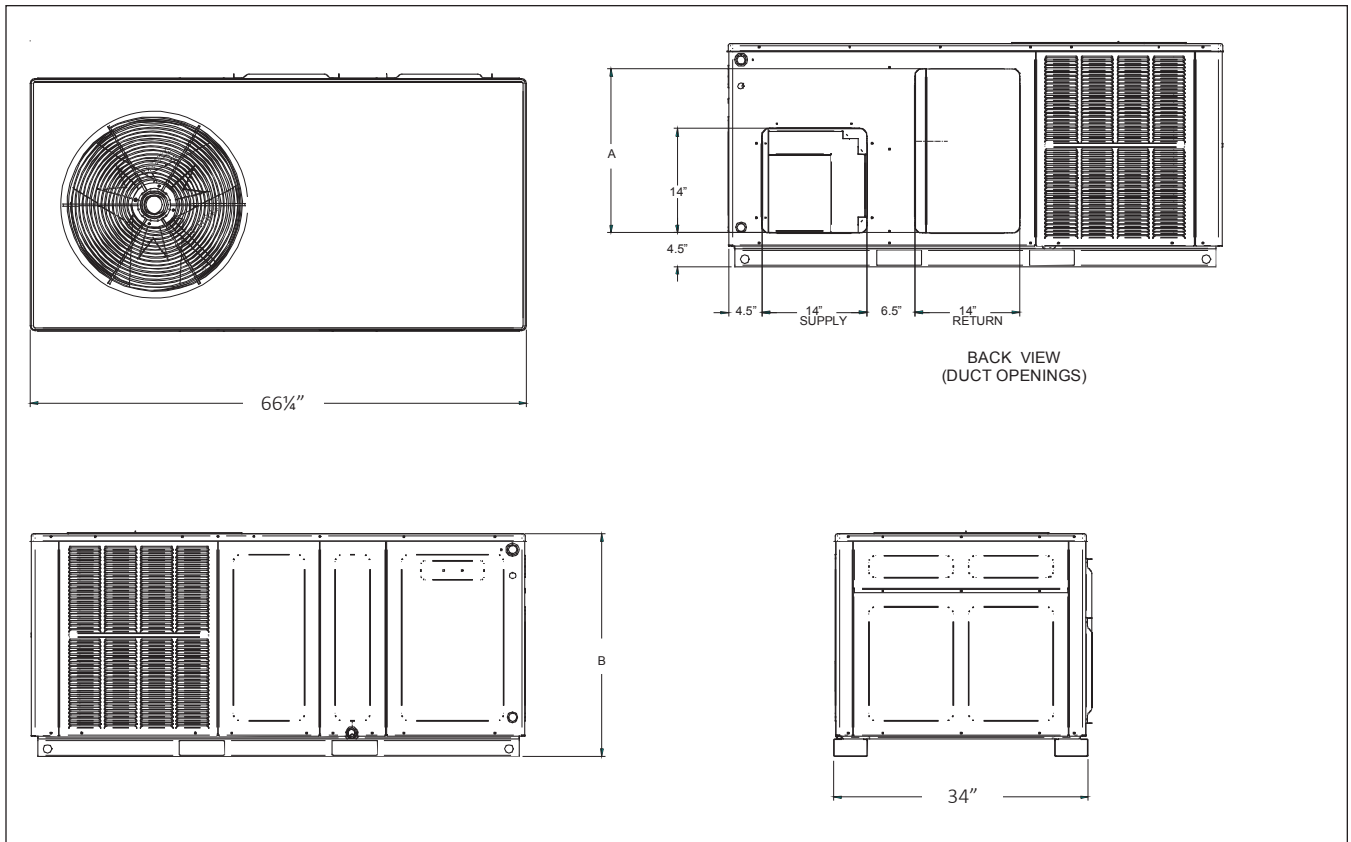
¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

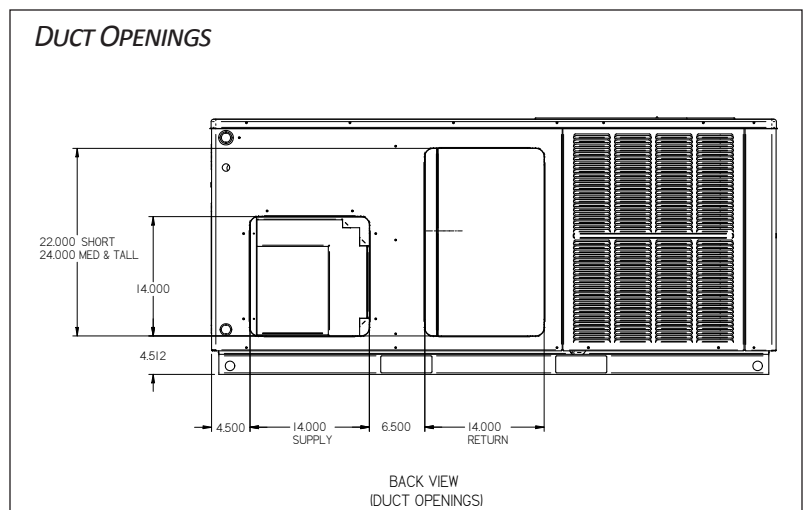
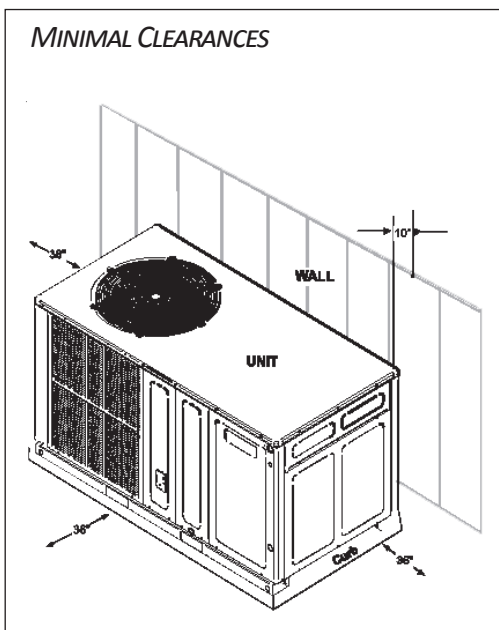
* Revision level that may or may not be designated

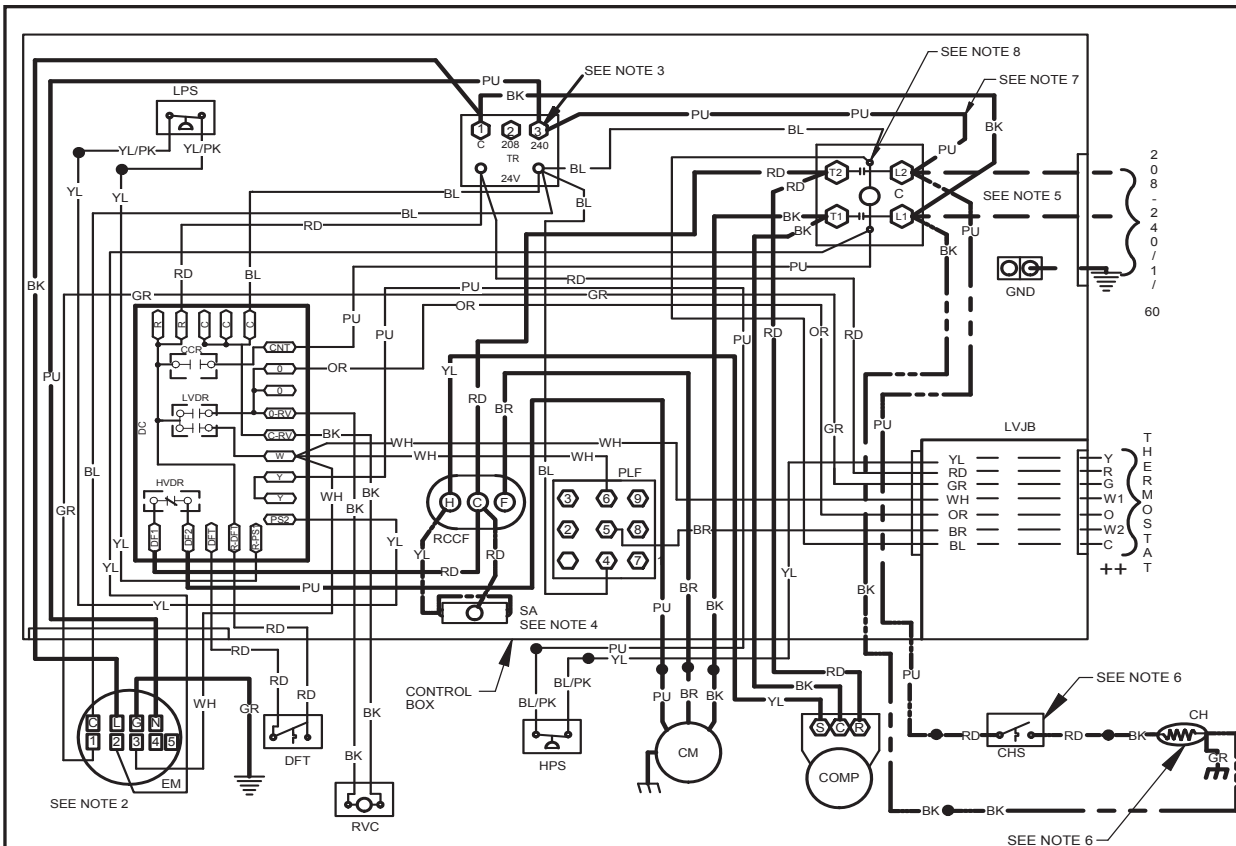
C Circuit breaker option

HKP-15C and HKP-20C replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.



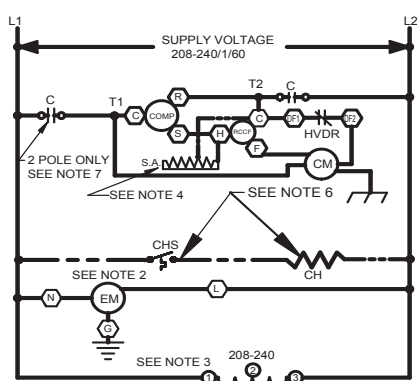
MODEL	DIMENSIONS		CHASSIS SIZE
	A"	B"	
GPH1624H41**	22	30	Small
GPH1630H41**	22	30	Small
GPH1636H41**	24	35	Medium
GPH1642H41**	24	35	Medium
GPH1648H41**	24	35	Medium
GPH1660H41**	24	38 3/4	Large





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

WARNING



COMPONENT LEGEND

- C CONTACTOR
- CCR COMPRESSOR CONTACTOR RELAY
- CH CRANKCASE HEATER
- CHS CRANKCASE HEATER SWITCH
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- DC DEFROST CONTROL
- DFT DEFROST THERMOSTAT
- EM EVAPORATOR MOTOR
- GND EQUIPMENT GROUND
- HVDR HIGH VOLTAGE DEFROST RELAY
- LPS LOW PRESSURE SWITCH
- LVDR LOW VOLTAGE DEFROST RELAY
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RVC REVERSING VALVE COIL
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- SA START ASSIST
- TR TRANSFORMER
- HPS HIGH PRESSURE SWITCH

FACTORY WIRING

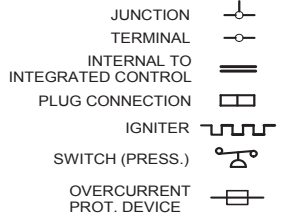
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

FIELD WIRING

- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

- BK BLACK
- BL BLUE
- BR BROWN
- GR GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WH WHITE
- YL YELLOW



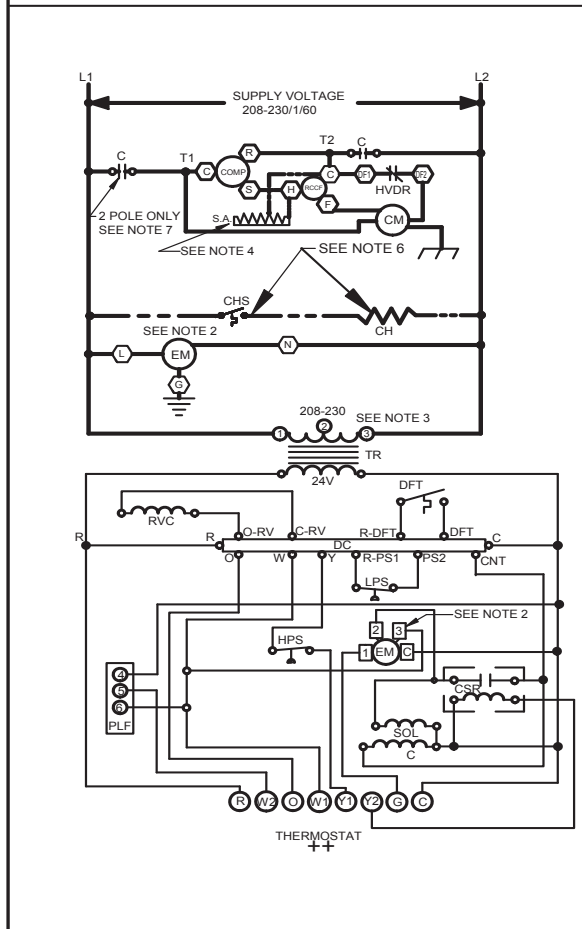
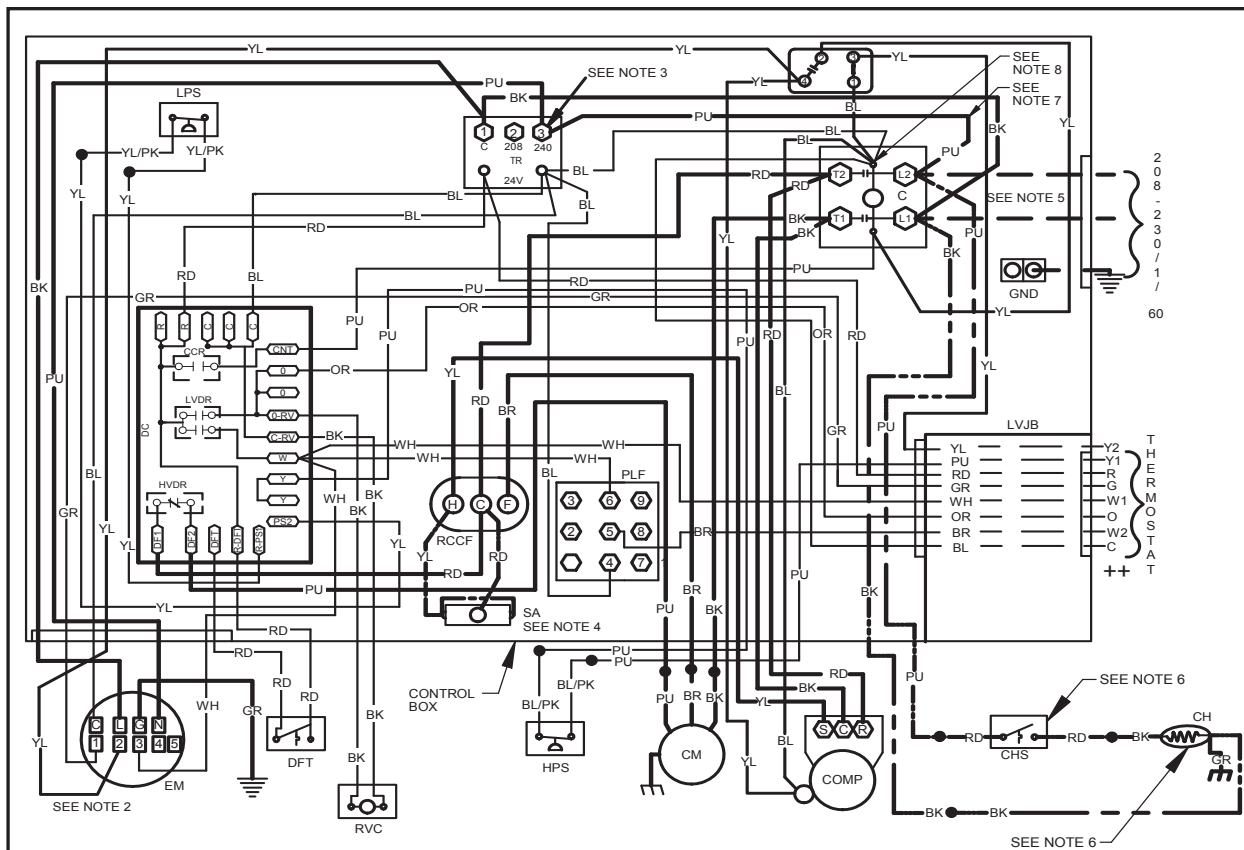
NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE WHITE AND YELLOW LEADS FROM EM"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 PURPLE WIRES 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 AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
7. DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
8. COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).

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




0140G01640-C



COMPONENT LEGEND		FACTORY WIRING
C	CONTACTOR	— LINE VOLTAGE
CCR	COMPRESSOR CONTACTOR RELAY	— LOW VOLTAGE
CH	CRACKCASE HEATER	— OPTIONAL HIGH VOLTAGE
CHS	CRACKCASE HEATER SWITCH	
CM	CONDENSER MOTOR	
COMP	COMPRESSOR	
DC	DEFROST CONTROL	
DFT	DEFROST THERMOSTAT	
EM	EVAPORATOR MOTOR	
GND	EQUIPMENT GROUND	
HVDR	HIGH VOLTAGE DEFROST RELAY	
LPS	LOW PRESSURE SWITCH	
LVDR	LOW VOLTAGE DEFROST RELAY	
LVJB	LOW VOLTAGE JUNCTION BOX	
PLF	FEMALE PLUG / CONNECTOR	
RVC	REVERSING VALVE COIL	
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN	
SA	START ASSIST	
TR	TRANSFORMER	
HPS	HIGH PRESSURE SWITCH	
CSR	COMPRESSOR SOLENOID RELAY	
SOL	HI STAGE SOLENOID	

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

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
 - TO CHANGE EVAPORATOR MOTOR SPEED MOVE YELLOW AND WHITE LEADS FROM EM"2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
 - FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
 - START ASSIST FACTORY EQUIPPED WHEN REQUIRED
 - USE COPPER CONDUCTORS ONLY
- ++ USE N.E.C. CLASS 2 WIRE
- CRANKCASE HEATER AND CRANKCASE HEATER SWITCH FACTORY EQUIPPED WHEN REQUIRED.
 - DOUBLE POLE CONTACTOR SHOWN. SINGLE POLE CONTACTOR COULD BE FACTORY EQUIPPED AS AN ALTERNATE CONFIGURATION.
 - COMMON SIDE OF CONTACTOR CAN NOT BE GROUNDED OR CONNECTED TO ANY OTHER COMMON (24V).
- SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION
- 
- 0140G03658-A

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

WARNING

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

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 (2 - 3.5 Ton)	O259G00215	O259G00215
Economizer Wiring Harness (4 - 5 Ton)	N/A	O259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPCHM	DHZECNJPCHM
Manual Damper (use with PCP101-103)	PCMD101-103	PCMD101-103
Manual Damper - Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper (use with PCP101-103)	PCMDM101-103	PCMDM101-103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
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

SINGLE-POINT KIT ACCESSORY KITS

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

MODEL	SINGLE-POINT KIT
GPH1624H41**	SPK-30
GPH1630H41**	SPK-35
GPH1636H41**	SPK-40
GPH1642H41**	SPK-45
GPH1648H41**	SPK-50
GPH1660H41**	SPK-60