

# SERVICE DATA APPLICATION GUIDE

Residential Package HP/Gas and HP/Electric



A0527-002

## General information

This service data application guide is intended to provide guidance for troubleshooting outdoor units in operation in the field. Variation from the tables in the guide may exist for actual field installations, according to the specific application.

The service data tables provide reference refrigerant temperature and pressure, indoor delta temperature, and unit operating currents for a range of indoor and outdoor operating conditions.

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PHG6B480653X1	
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Standard cooling service data for use with models:

**PHE4A2424**  
**PHG4A240752X4**

PHE4A24 AND PHG4A24 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	209 (36)	212 (33)	215 (32)	216 (33)
60	226 (37)	229 (35)	231 (33)	236 (33)
65	244 (39)	246 (37)	249 (35)	256 (34)
70	264 (40)	265 (39)	268 (36)	278 (34)
75	284 (42)	285 (41)	288 (38)	299 (35)
80	306 (44)	307 (43)	310 (40)	322 (37)
85	329 (46)	329 (45)	332 (42)	345 (38)
90	353 (48)	353 (48)	356 (44)	369 (40)
95	378 (50)	378 (50)	380 (46)	394 (42)
100	404 (53)	404 (53)	406 (48)	419 (44)
105	432 (55)	431 (55)	433 (51)	445 (46)
110	460 (58)	459 (58)	462 (54)	472 (48)
115	490 (61)	489 (61)	491 (57)	500 (51)
120	521 (64)	520 (64)	522 (60)	528 (54)
125	553 (67)	552 (67)	553 (63)	557 (57)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4A24 and PHG4A24

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	DISCHARGE PRESSURE (PSIG)	209	244	283	326	375	428	486	549
		DISCHARGE TEMPERATURE (°F)	107	120	134	149	164	179	195	212
		DISCHARGE SUPERHEAT (°F)	34	38	42	47	52	57	63	70
		SUCTION PRESSURE (PSIG)	120	123	125	128	131	135	138	142
		SUCTION TEMPERATURE (°F)	51	53	54	55	56	57	58	60
		SUCTION SUPERHEAT (°F)	10	11	11	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6	6.8	7.7	8.6	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.6	6.6	7.6	8.6	9.8	11.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	19
	800	DISCHARGE PRESSURE (PSIG)	211	246	285	328	377	430	488	551
		DISCHARGE TEMPERATURE (°F)	105	119	133	147	162	177	193	210
		DISCHARGE SUPERHEAT (°F)	32	36	40	45	50	55	61	68
		SUCTION PRESSURE (PSIG)	126	129	131	134	137	141	144	148
		SUCTION TEMPERATURE (°F)	53	56	56	58	59	59	61	62
		SUCTION SUPERHEAT (°F)	10	11	11	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6	6.8	7.7	8.6	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.6	6.6	7.6	8.6	9.8	11.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	17
	1000	DISCHARGE PRESSURE (PSIG)	213	248	287	330	379	432	490	553
		DISCHARGE TEMPERATURE (°F)	104	117	131	146	161	176	191	208
		DISCHARGE SUPERHEAT (°F)	30	34	38	43	48	53	59	66
		SUCTION PRESSURE (PSIG)	132	135	137	140	143	147	150	154
		SUCTION TEMPERATURE (°F)	56	58	59	60	61	62	63	64
		SUCTION SUPERHEAT (°F)	10	11	11	11	11	10	10	10
OUTDOOR UNIT CURRENT (A)		5.3	6	6.8	7.7	8.6	9.7	10.9	12.2	
COMPRESSOR CURRENT (A)		4.1	4.8	5.6	6.6	7.6	8.6	9.8	11.1	
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	20	18	17	15	

Continued on next page

## PHE4A24 and PHG4A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	DISCHARGE PRESSURE (PSIG)	205	240	280	325	374	428	486	549
		DISCHARGE TEMPERATURE (°F)	111	124	137	152	166	181	197	213
		DISCHARGE SUPERHEAT (°F)	40	43	46	50	54	59	65	71
		SUCTION PRESSURE (PSIG)	107	112	116	120	125	130	136	141
		SUCTION TEMPERATURE (°F)	47	48	50	51	53	55	57	60
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.3	5	5.7	6.6	7.6	8.6	9.8	11.1
		INDOOR COIL DB TEMP DROP (°F)	39	37	35	33	31	29	27	25
	800	DISCHARGE PRESSURE (PSIG)	209	244	284	329	378	432	490	553
		DISCHARGE TEMPERATURE (°F)	109	121	134	149	163	178	193	209
		DISCHARGE SUPERHEAT (°F)	36	39	42	46	50	55	61	67
		SUCTION PRESSURE (PSIG)	118	123	127	131	136	141	147	152
		SUCTION TEMPERATURE (°F)	52	53	55	55	57	59	62	65
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.3	5	5.7	6.6	7.6	8.6	9.8	11.1
		INDOOR COIL DB TEMP DROP (°F)	35	33	31	29	27	25	23	21
	1000	DISCHARGE PRESSURE (PSIG)	213	248	288	333	382	436	494	557
		DISCHARGE TEMPERATURE (°F)	106	118	131	145	159	174	190	206
		DISCHARGE SUPERHEAT (°F)	32	35	38	42	46	51	57	63
		SUCTION PRESSURE (PSIG)	129	134	138	142	147	152	158	163
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	66	69
		SUCTION SUPERHEAT (°F)	12	11	11	10	10	10	10	11
		OUTDOOR UNIT CURRENT (A)	5.5	6.1	6.8	7.7	8.7	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.3	5	5.7	6.6	7.6	8.6	9.8	11.1
		INDOOR COIL DB TEMP DROP (°F)	31	29	27	25	23	21	19	17
	80/62	600	DISCHARGE PRESSURE (PSIG)	210	244	283	327	376	429	487
DISCHARGE TEMPERATURE (°F)			108	121	135	149	164	179	195	211
DISCHARGE SUPERHEAT (°F)			35	39	43	47	52	57	63	69
SUCTION PRESSURE (PSIG)			118	120	123	126	130	134	139	144
SUCTION TEMPERATURE (°F)			51	52	53	54	56	57	59	61
SUCTION SUPERHEAT (°F)			11	11	11	11	11	10	10	10
OUTDOOR UNIT CURRENT (A)			5.3	6	6.8	7.7	8.7	9.7	10.9	12.2
COMPRESSOR CURRENT (A)			4.1	4.8	5.7	6.6	7.6	8.7	9.9	11.1
INDOOR COIL DB TEMP DROP (°F)			35	34	32	31	29	28	26	24
800		DISCHARGE PRESSURE (PSIG)	212	246	285	329	378	431	489	552
		DISCHARGE TEMPERATURE (°F)	106	120	134	148	163	177	193	209
		DISCHARGE SUPERHEAT (°F)	33	37	41	45	50	55	61	67
		SUCTION PRESSURE (PSIG)	126	128	131	134	138	142	147	152
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	60	62	64
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6	6.8	7.7	8.7	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.7	6.6	7.6	8.7	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	26	25	23	21
1000		DISCHARGE PRESSURE (PSIG)	214	248	287	331	380	433	491	554
		DISCHARGE TEMPERATURE (°F)	105	118	132	146	161	176	192	207
		DISCHARGE SUPERHEAT (°F)	31	35	39	43	48	53	59	65
		SUCTION PRESSURE (PSIG)	134	136	139	142	146	150	155	160
		SUCTION TEMPERATURE (°F)	58	58	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.3	6	6.8	7.7	8.7	9.7	10.9	12.2
		COMPRESSOR CURRENT (A)	4.1	4.8	5.7	6.6	7.6	8.7	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	23	22	20	18

Continued on next page



## PHE4A24 and PHG4A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	DISCHARGE PRESSURE (PSIG)	213	247	286	330	378	431	489	551
		DISCHARGE TEMPERATURE (°F)	107	119	132	146	160	174	190	206
		DISCHARGE SUPERHEAT (°F)	33	36	39	43	47	52	58	64
		SUCTION PRESSURE (PSIG)	130	133	136	140	143	147	150	154
		SUCTION TEMPERATURE (°F)	58	58	58	59	60	62	63	64
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.2	5.9	6.8	7.7	8.6	9.7	10.9	12.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.6	6.5	7.5	8.6	9.8	11.1
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	24	23	21	20	
	800	DISCHARGE PRESSURE (PSIG)	215	249	288	332	380	433	491	553
		DISCHARGE TEMPERATURE (°F)	106	119	131	145	159	174	190	205
		DISCHARGE SUPERHEAT (°F)	32	35	38	42	46	51	57	63
		SUCTION PRESSURE (PSIG)	136	139	142	146	149	153	156	160
		SUCTION TEMPERATURE (°F)	60	61	61	61	63	64	65	67
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.2	5.9	6.8	7.7	8.6	9.7	10.9	12.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.6	6.5	7.5	8.6	9.8	11.1
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	23	22	21	19	18	
	1000	DISCHARGE PRESSURE (PSIG)	217	251	290	334	382	435	493	555
		DISCHARGE TEMPERATURE (°F)	106	118	131	145	158	173	189	204
		DISCHARGE SUPERHEAT (°F)	31	34	37	41	45	50	56	62
		SUCTION PRESSURE (PSIG)	142	145	148	152	155	159	162	166
		SUCTION TEMPERATURE (°F)	64	64	64	65	66	67	68	70
		SUCTION SUPERHEAT (°F)	14	13	12	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	5.9	6.8	7.7	8.6	9.7	10.9	12.1
		COMPRESSOR CURRENT (A)	4.1	4.8	5.6	6.5	7.5	8.6	9.8	11.1
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	21	20	19	17	16	
	80/72	600	DISCHARGE PRESSURE (PSIG)	217	257	300	346	395	446	501
DISCHARGE TEMPERATURE (°F)			108	120	131	144	158	171	185	200
DISCHARGE SUPERHEAT (°F)			33	34	35	38	42	46	51	57
SUCTION PRESSURE (PSIG)			144	147	151	155	159	162	166	170
SUCTION TEMPERATURE (°F)			65	64	64	65	65	66	68	69
SUCTION SUPERHEAT (°F)			14	12	11	10	9	9	9	9
OUTDOOR UNIT CURRENT (A)			5.2	6	6.9	7.8	8.8	9.9	11	12.3
COMPRESSOR CURRENT (A)			4.1	4.9	5.8	6.7	7.7	8.8	10	11.2
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	19	17	16	14	
800		DISCHARGE PRESSURE (PSIG)	216	256	299	345	394	445	500	557
		DISCHARGE TEMPERATURE (°F)	108	119	131	144	158	171	185	200
		DISCHARGE SUPERHEAT (°F)	33	34	35	38	42	46	51	57
		SUCTION PRESSURE (PSIG)	149	152	156	160	164	167	171	175
		SUCTION TEMPERATURE (°F)	68	67	67	68	68	69	70	72
		SUCTION SUPERHEAT (°F)	15	13	12	11	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.1	5.9	6.8	7.7	8.7	9.8	10.9	12.2
		COMPRESSOR CURRENT (A)	4	4.8	5.7	6.6	7.6	8.7	9.9	11.1
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	15	14	12	
1000		DISCHARGE PRESSURE (PSIG)	215	255	298	344	393	444	499	556
		DISCHARGE TEMPERATURE (°F)	107	119	131	144	158	171	185	200
		DISCHARGE SUPERHEAT (°F)	33	34	35	38	42	46	51	57
		SUCTION PRESSURE (PSIG)	154	157	161	165	169	172	176	180
		SUCTION TEMPERATURE (°F)	70	69	70	70	71	72	73	74
		SUCTION SUPERHEAT (°F)	16	14	13	12	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5	5.8	6.7	7.6	8.6	9.7	10.8	12.1
		COMPRESSOR CURRENT (A)	3.9	4.7	5.6	6.5	7.5	8.6	9.8	11
INDOOR COIL DB TEMP DROP (°F)		19	18	17	16	15	13	12	10	

Extended cooling service data for use with models:

**PHE4A2424**

**PHG4A240752X4**

**PHE4A24 and PHG4A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	600	DISCHARGE PRESSURE (PSIG)	218	278	337	394	449	502	553
		DISCHARGE TEMPERATURE (°F)	117	131	144	158	172	186	202
		DISCHARGE SUPERHEAT (°F)	42	40	40	42	46	52	60
		SUCTION PRESSURE (PSIG)	142	147	151	156	160	164	167
		SUCTION TEMPERATURE (°F)	61	62	63	65	67	68	69
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	5.2	6.4	7.6	8.8	9.9	11	12.1
		COMPRESSOR CURRENT (A)	4.1	5.3	6.5	7.7	8.8	10	11
	INDOOR COIL DB TEMP DROP (°F)	35	33	31	30	28	27	26	
	800	DISCHARGE PRESSURE (PSIG)	220	280	339	396	451	504	555
		DISCHARGE TEMPERATURE (°F)	117	130	144	157	171	186	201
		DISCHARGE SUPERHEAT (°F)	41	39	39	41	45	51	59
		SUCTION PRESSURE (PSIG)	149	154	158	163	167	171	174
		SUCTION TEMPERATURE (°F)	65	65	67	69	70	71	72
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	6.4	7.6	8.8	9.9	11	12.1
		COMPRESSOR CURRENT (A)	4.1	5.3	6.5	7.7	8.8	10	11
	INDOOR COIL DB TEMP DROP (°F)	32	30	28	27	25	24	23	
	1000	DISCHARGE PRESSURE (PSIG)	222	282	341	398	453	506	557
		DISCHARGE TEMPERATURE (°F)	116	130	143	156	170	185	201
		DISCHARGE SUPERHEAT (°F)	40	38	38	40	44	50	58
		SUCTION PRESSURE (PSIG)	156	161	165	170	174	178	181
		SUCTION TEMPERATURE (°F)	68	69	70	72	73	75	76
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	12	12
OUTDOOR UNIT CURRENT (A)		5.2	6.4	7.6	8.8	9.9	11	12.1	
COMPRESSOR CURRENT (A)		4.1	5.3	6.5	7.7	8.8	10	11	
INDOOR COIL DB TEMP DROP (°F)	29	27	25	24	22	21	20		

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## PHE4A24 and PHG4A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	600	DISCHARGE PRESSURE (PSIG)	213	273	332	389	445	499	552
		DISCHARGE TEMPERATURE (°F)	119	133	147	161	175	190	205
		DISCHARGE SUPERHEAT (°F)	45	43	44	46	50	56	63
		SUCTION PRESSURE (PSIG)	129	133	137	141	147	152	158
		SUCTION TEMPERATURE (°F)	56	57	59	60	63	65	67
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	6.5	7.7	8.8	10	11.1	12.1
		COMPRESSOR CURRENT (A)	4.1	5.4	6.6	7.7	8.9	10	11.1
	INDOOR COIL DB TEMP DROP (°F)	40	39	37	35	34	31	29	
	800	DISCHARGE PRESSURE (PSIG)	216	276	335	392	448	502	555
		DISCHARGE TEMPERATURE (°F)	118	132	146	159	173	188	203
		DISCHARGE SUPERHEAT (°F)	43	41	42	44	48	54	61
		SUCTION PRESSURE (PSIG)	139	143	147	151	157	162	168
		SUCTION TEMPERATURE (°F)	60	61	63	64	66	68	70
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	6.5	7.7	8.8	10	11.1	12.1
		COMPRESSOR CURRENT (A)	4.1	5.4	6.6	7.7	8.9	10	11.1
	INDOOR COIL DB TEMP DROP (°F)	36	35	33	31	30	27	25	
	1000	DISCHARGE PRESSURE (PSIG)	219	279	338	395	451	505	558
		DISCHARGE TEMPERATURE (°F)	116	130	145	158	172	187	202
		DISCHARGE SUPERHEAT (°F)	41	39	40	42	46	52	59
		SUCTION PRESSURE (PSIG)	149	153	157	161	167	172	178
		SUCTION TEMPERATURE (°F)	64	65	66	68	70	72	74
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.2	6.5	7.7	8.8	10	11.1	12.1
		COMPRESSOR CURRENT (A)	4.1	5.4	6.6	7.7	8.9	10	11.1
	INDOOR COIL DB TEMP DROP (°F)	32	31	29	27	26	23	21	
	90/62	600	DISCHARGE PRESSURE (PSIG)	209	270	330	388	444	498
DISCHARGE TEMPERATURE (°F)			120	134	148	161	175	190	206
DISCHARGE SUPERHEAT (°F)			47	45	45	46	50	56	64
SUCTION PRESSURE (PSIG)			120	126	132	138	144	149	155
SUCTION TEMPERATURE (°F)			52	54	57	59	62	64	65
SUCTION SUPERHEAT (°F)			11	11	11	11	11	11	10
OUTDOOR UNIT CURRENT (A)			5.3	6.6	7.8	8.9	10.1	11.2	12.2
COMPRESSOR CURRENT (A)			4.2	5.5	6.7	7.9	9	10.1	11.1
INDOOR COIL DB TEMP DROP (°F)		41	39	37	35	33	31	29	
800		DISCHARGE PRESSURE (PSIG)	213	274	334	392	448	502	554
		DISCHARGE TEMPERATURE (°F)	118	132	146	158	172	187	203
		DISCHARGE SUPERHEAT (°F)	44	42	42	43	47	53	61
		SUCTION PRESSURE (PSIG)	134	140	146	152	158	163	169
		SUCTION TEMPERATURE (°F)	58	60	62	65	67	69	70
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	10
		OUTDOOR UNIT CURRENT (A)	5.2	6.5	7.7	8.8	10	11.1	12.1
		COMPRESSOR CURRENT (A)	4.1	5.4	6.6	7.8	8.9	10	11
INDOOR COIL DB TEMP DROP (°F)		37	35	33	31	29	27	25	
1000		DISCHARGE PRESSURE (PSIG)	217	278	338	396	452	506	558
		DISCHARGE TEMPERATURE (°F)	116	130	144	156	170	185	201
		DISCHARGE SUPERHEAT (°F)	41	39	39	40	44	50	58
		SUCTION PRESSURE (PSIG)	148	154	160	166	172	177	183
		SUCTION TEMPERATURE (°F)	63	65	68	70	72	73	74
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	10
		OUTDOOR UNIT CURRENT (A)	5.1	6.4	7.6	8.7	9.9	11	12
		COMPRESSOR CURRENT (A)	4	5.3	6.5	7.7	8.8	9.9	10.9
INDOOR COIL DB TEMP DROP (°F)		33	31	29	27	25	23	21	

Continued on next page

## PHE4A24 and PHG4A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	600	DISCHARGE PRESSURE (PSIG)	231	281	332	385	439	495	552
		DISCHARGE TEMPERATURE (°F)	117	132	145	160	175	190	206
		DISCHARGE SUPERHEAT (°F)	38	40	42	46	51	57	64
		SUCTION PRESSURE (PSIG)	135	138	141	144	147	151	154
		SUCTION TEMPERATURE (°F)	58	58	59	61	62	64	65
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.7	8.7	9.8	10.9	12.1
		COMPRESSOR CURRENT (A)	4.5	5.5	6.6	7.6	8.7	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	14	13	11	10
	800	DISCHARGE PRESSURE (PSIG)	233	283	334	387	441	497	554
		DISCHARGE TEMPERATURE (°F)	116	131	145	159	174	190	205
		DISCHARGE SUPERHEAT (°F)	37	39	41	45	50	56	63
		SUCTION PRESSURE (PSIG)	141	144	147	150	153	157	160
		SUCTION TEMPERATURE (°F)	60	61	62	63	64	66	68
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.7	8.7	9.8	10.9	12.1
		COMPRESSOR CURRENT (A)	4.5	5.5	6.6	7.6	8.7	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	15	14	13	12	11	9	8
	1000	DISCHARGE PRESSURE (PSIG)	235	285	336	389	443	499	556
		DISCHARGE TEMPERATURE (°F)	116	131	144	159	174	189	205
		DISCHARGE SUPERHEAT (°F)	36	38	40	44	49	55	62
		SUCTION PRESSURE (PSIG)	147	150	153	156	159	163	166
		SUCTION TEMPERATURE (°F)	63	63	64	65	66	69	70
		SUCTION SUPERHEAT (°F)	11	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.7	8.7	9.8	10.9	12.1
		COMPRESSOR CURRENT (A)	4.5	5.5	6.6	7.6	8.7	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	13	12	11	10	9	7	6
	70/62	600	DISCHARGE PRESSURE (PSIG)	227	276	328	380	435	491
DISCHARGE TEMPERATURE (°F)			120	135	149	164	180	197	214
DISCHARGE SUPERHEAT (°F)			42	44	47	51	57	64	72
SUCTION PRESSURE (PSIG)			122	125	128	131	134	137	140
SUCTION TEMPERATURE (°F)			53	54	55	56	58	59	60
SUCTION SUPERHEAT (°F)			11	11	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)			5.7	6.7	7.7	8.8	9.9	11	12.1
COMPRESSOR CURRENT (A)			4.6	5.6	6.6	7.7	8.8	9.9	11.1
INDOOR COIL DB TEMP DROP (°F)			24	23	21	20	19	18	16
800		DISCHARGE PRESSURE (PSIG)	229	278	330	382	437	493	551
		DISCHARGE TEMPERATURE (°F)	118	133	148	162	179	195	212
		DISCHARGE SUPERHEAT (°F)	40	42	45	49	55	62	70
		SUCTION PRESSURE (PSIG)	128	131	134	137	140	143	146
		SUCTION TEMPERATURE (°F)	55	56	58	59	60	61	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.7	7.7	8.8	9.9	11	12.1
		COMPRESSOR CURRENT (A)	4.6	5.6	6.6	7.7	8.8	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	18	17	16	15	13
1000		DISCHARGE PRESSURE (PSIG)	231	280	332	384	439	495	553
		DISCHARGE TEMPERATURE (°F)	117	131	146	161	177	193	210
		DISCHARGE SUPERHEAT (°F)	38	40	43	47	53	60	68
		SUCTION PRESSURE (PSIG)	134	137	140	143	146	149	152
		SUCTION TEMPERATURE (°F)	58	59	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.7	6.7	7.7	8.8	9.9	11	12.1
		COMPRESSOR CURRENT (A)	4.6	5.6	6.6	7.7	8.8	9.9	11.1
		INDOOR COIL DB TEMP DROP (°F)	18	17	15	14	13	12	10

Standard heating service data for use with models:

**PHE4A2424**  
**PHG4A240752X4**

PHE4A24 AND PHG4A24 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	317 (40)	337 (41)	357 (43)	376 (44)	396 (45)
47	297 (48)	316 (49)	335 (50)	354 (52)	373 (53)
40	286 (52)	304 (53)	323 (54)	342 (56)	361 (57)
30	270 (58)	288 (59)	307 (60)	325 (62)	343 (63)
17	249 (66)	267 (67)	285 (68)	303 (70)	320 (71)

**Note:** The charging chart is for use only in heating mode.

**PHE4A24 and PHG4A24**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	600	Suction Prs./Temp.	132 / 55	107 / 44	95 / 38	80 / 29	63 / 18	55 / 12
		Liquid Prs./Temp.	339 / 90	315 / 82	302 / 78	284 / 72	260 / 64	247 / 60
		ID Air DB Temp. Rise	40	34	31	26	19	16
		Total Amp./Comp Amp.	8.3 / 6.9	8 / 6.6	7.9 / 6.5	7.6 / 6.2	7.4 / 5.9	7.2 / 5.8
	800	Suction Prs./Temp.	132 / 54	107 / 44	95 / 38	79 / 30	62 / 19	54 / 14
		Liquid Prs./Temp.	312 / 84	292 / 78	282 / 75	267 / 70	247 / 64	237 / 60
		ID Air DB Temp. Rise	34	29	26	22	16	13
		Total Amp./Comp Amp.	8.2 / 6.4	8 / 6.2	7.9 / 6.1	7.8 / 5.9	7.6 / 5.7	7.5 / 5.6
	1000	Suction Prs./Temp.	132 / 53	107 / 43	95 / 38	79 / 30	62 / 20	54 / 15
		Liquid Prs./Temp.	285 / 79	270 / 74	261 / 71	250 / 68	234 / 63	226 / 60
		ID Air DB Temp. Rise	28	23	21	18	13	11
		Total Amp./Comp Amp.	8.2 / 5.9	8.1 / 5.7	8 / 5.7	7.9 / 5.6	7.8 / 5.4	7.7 / 5.3
70	600	Suction Prs./Temp.	134 / 57	109 / 44	96 / 37	80 / 27	63 / 15	55 / 8
		Liquid Prs./Temp.	380 / 98	354 / 91	340 / 88	320 / 82	294 / 76	280 / 72
		ID Air DB Temp. Rise	38	32	29	24	17	14
		Total Amp./Comp Amp.	9.1 / 7.7	8.8 / 7.3	8.6 / 7.1	8.3 / 6.9	8 / 6.5	7.8 / 6.3
	800	Suction Prs./Temp.	133 / 55	108 / 44	96 / 38	80 / 29	63 / 18	55 / 11
		Liquid Prs./Temp.	352 / 93	354 / 91	340 / 88	320 / 82	294 / 76	280 / 72
		ID Air DB Temp. Rise	32	27	24	20	15	12
		Total Amp./Comp Amp.	9 / 7.2	8.8 / 6.9	8.6 / 6.7	8.5 / 6.5	8.2 / 6.3	8.1 / 6.1
	1000	Suction Prs./Temp.	133 / 53	108 / 43	96 / 38	80 / 30	62 / 20	54 / 15
		Liquid Prs./Temp.	324 / 88	308 / 83	299 / 81	287 / 77	271 / 72	263 / 69
		ID Air DB Temp. Rise	26	22	20	16	12	10
		Total Amp./Comp Amp.	8.9 / 6.6	8.8 / 6.4	8.7 / 6.4	8.6 / 6.2	8.4 / 6	8.4 / 6
80	600	Suction Prs./Temp.	137 / 58	110 / 44	97 / 36	81 / 25	63 / 11	56 / 3
		Liquid Prs./Temp.	421 / 107	393 / 101	378 / 97	357 / 93	329 / 87	314 / 84
		ID Air DB Temp. Rise	36	30	27	22	15	12
		Total Amp./Comp Amp.	9.9 / 8.5	9.5 / 8.1	9.3 / 7.8	9 / 7.5	8.6 / 7.1	8.4 / 6.9
	800	Suction Prs./Temp.	135 / 56	109 / 44	97 / 37	81 / 28	63 / 16	55 / 9
		Liquid Prs./Temp.	392 / 102	370 / 97	358 / 94	340 / 89	318 / 84	306 / 81
		ID Air DB Temp. Rise	30	25	22	18	13	10
		Total Amp./Comp Amp.	9.8 / 7.9	9.5 / 7.6	9.3 / 7.4	9.1 / 7.2	8.8 / 6.9	8.7 / 6.7
	1000	Suction Prs./Temp.	133 / 54	109 / 44	97 / 38	81 / 31	63 / 21	55 / 15
		Liquid Prs./Temp.	363 / 98	346 / 92	337 / 90	324 / 86	308 / 81	299 / 78
		ID Air DB Temp. Rise	24	20	18	15	11	9
		Total Amp./Comp Amp.	9.7 / 7.4	9.5 / 7.2	9.4 / 7	9.3 / 6.9	9.1 / 6.7	9 / 6.6

Extended heating service data for use with models:

**PHE4A2424**

**PHG4A240752X4**

**PHE4A24 and PHG4A24**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
2	600	60	MBH	4.5	8.5	11.7	14.9	18.1	22	25.6	29.1
			KW	1.3	1.7	1.8	1.8	1.9	2	2	2.1
		70	MBH	4.7	8.2	10.7	13.3	15.8	20.9	24.4	27.9
			KW	1.5	1.9	2	2	2	2.2	2.2	2.3
		80	MBH	5.1	8	9.8	11.7	13.5	19.8	23.2	26.6
			KW	1.6	2.1	2.1	2.2	2.2	2.4	2.4	2.5
	800	60	MBH	4.7	8.4	12.1	15.4	18.6	22.2	26.1	29.9
			KW	1.3	1.4	1.8	1.8	1.8	1.9	1.9	2
		70	MBH	5	8	11	13.6	16.1	21.1	24.8	28.5
			KW	1.6	1.6	1.9	1.8	1.8	1.8	1.9	1.9
		80	MBH	5.2	7.6	9.9	11.8	13.6	20	23.6	27.1
			KW	1.9	1.8	2.1	1.9	1.7	1.8	1.8	1.9
	1000	60	MBH	4	7.8	11.8	15.3	18.8	22.7	26.8	30.8
			KW	1.3	1.3	1.8	1.8	1.8	1.9	1.9	1.9
		70	MBH	3.2	6.8	10.8	14.3	17.8	21.4	25	28.6
			KW	1.4	1.4	1.9	2	2	2	2	2.1
		80	MBH	2.6	6.1	9.9	13.3	16.7	20.2	23.3	26.4
			KW	1.5	1.5	2.1	2.1	2.2	2.2	2.2	2.3

Standard cooling service data for use with models:

**PHE4A3024**  
**PHG4A300752X4**

PHE4A30 AND PHG4A30 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	196 (37)	198 (37)	201 (38)	203 (39)
60	212 (38)	214 (38)	217 (37)	219 (39)
65	229 (38)	230 (38)	234 (37)	237 (39)
70	247 (39)	248 (39)	252 (37)	256 (38)
75	266 (40)	267 (40)	271 (37)	275 (38)
80	286 (41)	287 (41)	291 (38)	296 (39)
85	308 (42)	308 (42)	313 (39)	317 (39)
90	330 (43)	330 (43)	335 (40)	340 (40)
95	353 (44)	354 (45)	358 (41)	363 (40)
100	378 (46)	378 (46)	382 (42)	388 (41)
105	404 (47)	404 (48)	408 (44)	413 (43)
110	430 (49)	430 (50)	434 (46)	440 (44)
115	458 (51)	458 (51)	462 (48)	467 (45)
120	487 (53)	487 (53)	490 (51)	496 (47)
125	517 (55)	517 (56)	520 (53)	525 (49)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4A30 and PHG4A30

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	800	DISCHARGE PRESSURE (PSIG)	196	228	265	306	351	401	454	512
		DISCHARGE TEMPERATURE (°F)	107	117	128	141	153	166	179	193
		DISCHARGE SUPERHEAT (°F)	38	39	40	43	46	49	53	57
		SUCTION PRESSURE (PSIG)	116	120	123	127	131	134	137	141
		SUCTION TEMPERATURE (°F)	51	52	52	53	54	55	56	57
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	8	8	8
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	4.9	5.7	6.5	7.4	8.4	9.4	10.5	11.7
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21	19
	1000	DISCHARGE PRESSURE (PSIG)	198	230	267	308	353	403	456	514
		DISCHARGE TEMPERATURE (°F)	106	117	127	140	153	165	179	192
		DISCHARGE SUPERHEAT (°F)	37	38	39	42	45	48	52	56
		SUCTION PRESSURE (PSIG)	120	124	127	131	135	138	141	145
		SUCTION TEMPERATURE (°F)	54	55	55	55	57	57	58	60
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	9	9	9
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	4.9	5.7	6.5	7.4	8.4	9.4	10.5	11.7
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	17
	1200	DISCHARGE PRESSURE (PSIG)	200	232	269	310	355	405	458	516
		DISCHARGE TEMPERATURE (°F)	106	116	127	139	152	165	178	192
		DISCHARGE SUPERHEAT (°F)	36	37	38	41	44	47	51	55
		SUCTION PRESSURE (PSIG)	124	128	131	135	139	142	145	149
		SUCTION TEMPERATURE (°F)	57	57	57	58	60	60	61	63
		SUCTION SUPERHEAT (°F)	14	13	12	11	11	10	10	10
OUTDOOR UNIT CURRENT (A)		6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.8	
COMPRESSOR CURRENT (A)		4.9	5.7	6.5	7.4	8.4	9.4	10.5	11.7	
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	19	18	17	15	

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## PHE4A30 and PHG4A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	800	DISCHARGE PRESSURE (PSIG)	193	226	263	305	350	401	455	514
		DISCHARGE TEMPERATURE (°F)	107	117	129	141	153	166	180	193
		DISCHARGE SUPERHEAT (°F)	39	40	42	44	46	49	53	57
		SUCTION PRESSURE (PSIG)	106	111	116	120	125	130	135	141
		SUCTION TEMPERATURE (°F)	47	48	49	51	52	54	56	58
		SUCTION SUPERHEAT (°F)	13	11	10	10	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	6.3	7.1	7.9	8.8	9.7	10.7	11.8	12.9
		COMPRESSOR CURRENT (A)	5.1	5.9	6.7	7.6	8.6	9.6	10.7	11.8
	INDOOR COIL DB TEMP DROP (°F)	36	35	33	32	30	28	27	25	
	1000	DISCHARGE PRESSURE (PSIG)	196	229	266	308	353	404	458	517
		DISCHARGE TEMPERATURE (°F)	106	116	128	140	152	165	178	192
		DISCHARGE SUPERHEAT (°F)	37	38	40	42	44	47	51	55
		SUCTION PRESSURE (PSIG)	114	119	124	128	133	138	143	149
		SUCTION TEMPERATURE (°F)	52	52	54	55	56	58	60	63
		SUCTION SUPERHEAT (°F)	14	12	11	11	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.2	7.0	7.8	8.7	9.6	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.0	5.8	6.6	7.5	8.5	9.5	10.6	11.7
	INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	26	24	23	21	
	1200	DISCHARGE PRESSURE (PSIG)	199	232	269	311	356	407	461	520
		DISCHARGE TEMPERATURE (°F)	104	115	127	139	150	163	177	190
		DISCHARGE SUPERHEAT (°F)	35	36	38	40	42	45	49	53
		SUCTION PRESSURE (PSIG)	122	127	132	136	141	146	151	157
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	15	13	12	12	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.5	10.5	11.6	12.7
		COMPRESSOR CURRENT (A)	4.9	5.7	6.5	7.4	8.4	9.4	10.5	11.6
	INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	22	20	19	17	
	80/62	800	DISCHARGE PRESSURE (PSIG)	196	228	265	306	352	402	456
DISCHARGE TEMPERATURE (°F)			107	117	129	141	153	166	179	193
DISCHARGE SUPERHEAT (°F)			38	39	41	43	46	49	52	57
SUCTION PRESSURE (PSIG)			113	117	121	125	129	133	138	142
SUCTION TEMPERATURE (°F)			51	51	51	52	54	55	57	59
SUCTION SUPERHEAT (°F)			13	12	10	9	9	9	9	9
OUTDOOR UNIT CURRENT (A)			6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.9
COMPRESSOR CURRENT (A)			4.9	5.7	6.5	7.4	8.4	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		32	31	30	29	28	26	25	23	
1000		DISCHARGE PRESSURE (PSIG)	198	230	267	308	354	404	458	517
		DISCHARGE TEMPERATURE (°F)	106	117	128	140	153	166	178	193
		DISCHARGE SUPERHEAT (°F)	37	38	40	42	45	48	51	56
		SUCTION PRESSURE (PSIG)	119	123	127	131	135	139	144	148
		SUCTION TEMPERATURE (°F)	54	55	55	55	57	59	61	62
		SUCTION SUPERHEAT (°F)	14	13	11	10	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	4.9	5.7	6.5	7.4	8.4	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	26	24	23	21	
1200		DISCHARGE PRESSURE (PSIG)	200	232	269	310	356	406	460	519
		DISCHARGE TEMPERATURE (°F)	106	116	128	139	152	165	177	192
		DISCHARGE SUPERHEAT (°F)	36	37	39	41	44	47	50	55
		SUCTION PRESSURE (PSIG)	125	129	133	137	141	145	150	154
		SUCTION TEMPERATURE (°F)	58	59	58	59	60	62	64	65
		SUCTION SUPERHEAT (°F)	15	14	12	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.6	9.5	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	4.9	5.7	6.5	7.4	8.4	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		28	27	26	25	24	22	21	19	

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## PHE4A30 and PHG4A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	800	DISCHARGE PRESSURE (PSIG)	199	232	269	311	356	406	460	518
		DISCHARGE TEMPERATURE (°F)	107	116	126	138	149	162	175	190
		DISCHARGE SUPERHEAT (°F)	38	37	37	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	124	129	134	138	142	145	149	152
		SUCTION TEMPERATURE (°F)	58	58	58	57	59	59	62	64
		SUCTION SUPERHEAT (°F)	15	13	11	9	9	8	9	10
		OUTDOOR UNIT CURRENT (A)	6.0	6.8	7.6	8.5	9.5	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	4.8	5.6	6.4	7.4	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21	20	
	1000	DISCHARGE PRESSURE (PSIG)	201	234	271	313	358	408	462	520
		DISCHARGE TEMPERATURE (°F)	108	117	126	138	150	162	176	190
		DISCHARGE SUPERHEAT (°F)	38	37	37	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	128	133	138	142	146	149	153	156
		SUCTION TEMPERATURE (°F)	60	60	60	60	61	62	64	66
		SUCTION SUPERHEAT (°F)	16	14	12	10	10	9	10	11
		OUTDOOR UNIT CURRENT (A)	6.0	6.8	7.6	8.5	9.5	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	4.8	5.6	6.4	7.4	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18	
	1200	DISCHARGE PRESSURE (PSIG)	203	236	273	315	360	410	464	522
		DISCHARGE TEMPERATURE (°F)	109	117	127	139	150	163	176	190
		DISCHARGE SUPERHEAT (°F)	38	37	37	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	132	137	142	146	150	153	157	160
		SUCTION TEMPERATURE (°F)	63	63	63	62	64	64	66	69
		SUCTION SUPERHEAT (°F)	17	15	13	11	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.8	7.6	8.5	9.5	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	4.8	5.6	6.4	7.4	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	17	16	
	80/72	800	DISCHARGE PRESSURE (PSIG)	201	235	273	315	361	411	465
DISCHARGE TEMPERATURE (°F)			109	119	128	139	149	162	173	187
DISCHARGE SUPERHEAT (°F)			39	39	38	39	40	43	45	49
SUCTION PRESSURE (PSIG)			130	136	142	148	153	157	161	165
SUCTION TEMPERATURE (°F)			63	63	64	64	65	65	67	68
SUCTION SUPERHEAT (°F)			18	16	14	12	11	10	10	10
OUTDOOR UNIT CURRENT (A)			5.8	6.7	7.5	8.5	9.5	10.6	11.8	13.0
COMPRESSOR CURRENT (A)			4.6	5.4	6.3	7.3	8.3	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		22	21	21	20	19	17	16	14	
1000		DISCHARGE PRESSURE (PSIG)	203	237	275	317	363	413	467	525
		DISCHARGE TEMPERATURE (°F)	110	119	128	139	150	162	174	187
		DISCHARGE SUPERHEAT (°F)	39	39	38	39	40	43	45	49
		SUCTION PRESSURE (PSIG)	134	140	146	152	157	161	165	169
		SUCTION TEMPERATURE (°F)	66	66	66	67	67	68	69	71
		SUCTION SUPERHEAT (°F)	19	17	15	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.7	7.5	8.5	9.5	10.6	11.8	13.0
		COMPRESSOR CURRENT (A)	4.6	5.4	6.3	7.3	8.3	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		20	19	19	18	17	15	14	12	
1200		DISCHARGE PRESSURE (PSIG)	205	239	277	319	365	415	469	527
		DISCHARGE TEMPERATURE (°F)	110	120	129	139	150	163	174	187
		DISCHARGE SUPERHEAT (°F)	39	39	38	39	40	43	45	49
		SUCTION PRESSURE (PSIG)	138	144	150	156	161	165	169	173
		SUCTION TEMPERATURE (°F)	68	69	69	69	70	70	72	73
		SUCTION SUPERHEAT (°F)	20	18	16	14	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.7	7.5	8.5	9.5	10.6	11.8	13.0
		COMPRESSOR CURRENT (A)	4.6	5.4	6.3	7.3	8.3	9.4	10.6	11.8
INDOOR COIL DB TEMP DROP (°F)		18	17	17	16	15	13	12	10	

Extended cooling service data for use with models:

**PHE4A3024**

**PHG4A300752X4**

**PHE4A30/PHG4A30**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	800	DISCHARGE PRESSURE (PSIG)	221	267	315	365	415	468	521
		DISCHARGE TEMPERATURE (°F)	116	127	139	150	162	174	186
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	42	45	49
		SUCTION PRESSURE (PSIG)	139	143	147	151	155	160	165
		SUCTION TEMPERATURE (°F)	64	64	65	65	66	68	68
		SUCTION SUPERHEAT (°F)	15	14	13	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	6.5	7.4	8.4	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	28	27	26	24	
	1000	DISCHARGE PRESSURE (PSIG)	223	269	317	367	417	470	523
		DISCHARGE TEMPERATURE (°F)	117	128	139	150	162	174	187
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	42	45	49
		SUCTION PRESSURE (PSIG)	143	147	151	155	159	164	169
		SUCTION TEMPERATURE (°F)	66	67	67	68	68	70	71
		SUCTION SUPERHEAT (°F)	16	15	14	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	6.5	7.4	8.4	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.3	6.2	7.2	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22	
	1200	DISCHARGE PRESSURE (PSIG)	225	271	319	369	419	472	525
		DISCHARGE TEMPERATURE (°F)	117	128	139	151	162	174	187
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	42	45	49
		SUCTION PRESSURE (PSIG)	147	151	155	159	163	168	173
		SUCTION TEMPERATURE (°F)	69	69	70	70	71	72	73
		SUCTION SUPERHEAT (°F)	17	16	15	14	13	13	12
OUTDOOR UNIT CURRENT (A)		6.5	7.4	8.4	9.5	10.6	11.7	12.8	
COMPRESSOR CURRENT (A)		5.3	6.2	7.2	8.3	9.4	10.5	11.7	
INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20		

Continued on next page

## PHE4A30/PHG4A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	800	DISCHARGE PRESSURE (PSIG)	216	263	311	361	412	465	520
		DISCHARGE TEMPERATURE (°F)	116	127	139	150	163	175	188
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	44	47	51
		SUCTION PRESSURE (PSIG)	126	130	135	140	145	152	158
		SUCTION TEMPERATURE (°F)	56	57	59	60	62	64	66
		SUCTION SUPERHEAT (°F)	13	12	12	11	11	10	10
		OUTDOOR UNIT CURRENT (A)	6.5	7.5	8.5	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.3	6.3	7.3	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	37	36	35	33	31	29	27	
	1000	DISCHARGE PRESSURE (PSIG)	218	265	313	363	414	467	522
		DISCHARGE TEMPERATURE (°F)	116	128	139	151	163	176	188
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	44	47	51
		SUCTION PRESSURE (PSIG)	132	136	141	146	151	158	164
		SUCTION TEMPERATURE (°F)	60	60	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	11	11
		OUTDOOR UNIT CURRENT (A)	6.5	7.5	8.5	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.3	6.3	7.3	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	30	28	26	24	
	1200	DISCHARGE PRESSURE (PSIG)	220	267	315	365	416	469	524
		DISCHARGE TEMPERATURE (°F)	117	128	140	151	164	176	189
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	44	47	51
		SUCTION PRESSURE (PSIG)	138	142	147	152	157	164	170
		SUCTION TEMPERATURE (°F)	63	64	66	67	68	70	72
		SUCTION SUPERHEAT (°F)	15	14	14	13	13	12	12
		OUTDOOR UNIT CURRENT (A)	6.5	7.5	8.5	9.5	10.6	11.7	12.8
		COMPRESSOR CURRENT (A)	5.3	6.3	7.3	8.3	9.4	10.5	11.7
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	27	25	23	21	
	90/62	800	DISCHARGE PRESSURE (PSIG)	215	262	310	360	412	465
DISCHARGE TEMPERATURE (°F)			115	127	138	150	162	174	188
DISCHARGE SUPERHEAT (°F)			41	40	40	41	43	46	51
SUCTION PRESSURE (PSIG)			123	128	133	139	144	150	155
SUCTION TEMPERATURE (°F)			54	55	56	59	60	62	64
SUCTION SUPERHEAT (°F)			12	11	10	10	9	9	9
OUTDOOR UNIT CURRENT (A)			6.5	7.5	8.5	9.6	10.6	11.7	12.9
COMPRESSOR CURRENT (A)			5.3	6.3	7.3	8.4	9.5	10.6	11.7
INDOOR COIL DB TEMP DROP (°F)		38	37	35	34	32	30	28	
1000		DISCHARGE PRESSURE (PSIG)	218	265	313	363	415	468	522
		DISCHARGE TEMPERATURE (°F)	115	127	138	150	162	174	187
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	42	45	50
		SUCTION PRESSURE (PSIG)	132	137	142	148	153	159	164
		SUCTION TEMPERATURE (°F)	59	60	61	63	64	66	68
		SUCTION SUPERHEAT (°F)	13	12	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.5	7.5	8.5	9.6	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	5.3	6.3	7.3	8.4	9.5	10.6	11.7
INDOOR COIL DB TEMP DROP (°F)		34	33	31	30	28	26	24	
1200		DISCHARGE PRESSURE (PSIG)	221	268	316	366	418	471	525
		DISCHARGE TEMPERATURE (°F)	115	127	138	149	161	173	187
		DISCHARGE SUPERHEAT (°F)	39	38	38	39	41	44	49
		SUCTION PRESSURE (PSIG)	141	146	151	157	162	168	173
		SUCTION TEMPERATURE (°F)	64	65	66	68	69	71	73
		SUCTION SUPERHEAT (°F)	15	14	13	13	12	12	12
		OUTDOOR UNIT CURRENT (A)	6.5	7.5	8.5	9.6	10.6	11.7	12.9
		COMPRESSOR CURRENT (A)	5.3	6.3	7.3	8.4	9.5	10.6	11.7
INDOOR COIL DB TEMP DROP (°F)		30	29	27	26	24	22	20	

Continued on next page

## PHE4A30/PHG4A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	800	DISCHARGE PRESSURE (PSIG)	214	261	309	358	409	461	515
		DISCHARGE TEMPERATURE (°F)	113	126	137	150	163	176	189
		DISCHARGE SUPERHEAT (°F)	39	39	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	129	134	138	142	145	149	153
		SUCTION TEMPERATURE (°F)	58	59	59	61	61	63	64
		SUCTION SUPERHEAT (°F)	13	12	11	11	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.3	9.4	10.5	11.6	12.8
		COMPRESSOR CURRENT (A)	5	6	7.1	8.2	9.3	10.5	11.6
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	14	12	11	10
	1000	DISCHARGE PRESSURE (PSIG)	216	263	311	360	411	463	517
		DISCHARGE TEMPERATURE (°F)	114	126	138	150	163	176	190
		DISCHARGE SUPERHEAT (°F)	39	39	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	132	137	141	145	148	152	156
		SUCTION TEMPERATURE (°F)	60	61	61	63	63	65	66
		SUCTION SUPERHEAT (°F)	14	13	12	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.3	9.4	10.5	11.6	12.8
		COMPRESSOR CURRENT (A)	5	6	7.1	8.2	9.3	10.5	11.6
		INDOOR COIL DB TEMP DROP (°F)	15	14	13	12	10	9	8
	1200	DISCHARGE PRESSURE (PSIG)	218	265	313	362	413	465	519
		DISCHARGE TEMPERATURE (°F)	114	127	138	150	163	176	190
		DISCHARGE SUPERHEAT (°F)	39	39	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	135	140	144	148	151	155	159
		SUCTION TEMPERATURE (°F)	62	63	64	65	65	67	68
		SUCTION SUPERHEAT (°F)	15	14	13	13	12	12	12
OUTDOOR UNIT CURRENT (A)		6.3	7.3	8.3	9.4	10.5	11.6	12.8	
COMPRESSOR CURRENT (A)		5	6	7.1	8.2	9.3	10.5	11.6	
INDOOR COIL DB TEMP DROP (°F)		13	12	11	10	8	7	6	
70/62	800	DISCHARGE PRESSURE (PSIG)	212	258	306	355	405	456	509
		DISCHARGE TEMPERATURE (°F)	113	126	139	151	165	178	191
		DISCHARGE SUPERHEAT (°F)	40	40	41	43	47	51	56
		SUCTION PRESSURE (PSIG)	121	124	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	51	53	54	54	55	56	58
		SUCTION SUPERHEAT (°F)	10	10	10	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.3	9.4	10.5	11.6	12.8
		COMPRESSOR CURRENT (A)	5	6	7.1	8.2	9.3	10.5	11.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	17	16	15
	1000	DISCHARGE PRESSURE (PSIG)	214	260	308	357	407	458	511
		DISCHARGE TEMPERATURE (°F)	113	126	138	150	164	177	191
		DISCHARGE SUPERHEAT (°F)	39	39	40	42	46	50	55
		SUCTION PRESSURE (PSIG)	125	128	131	134	137	140	143
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	59	60
		SUCTION SUPERHEAT (°F)	11	11	11	10	10	10	10
		OUTDOOR UNIT CURRENT (A)	6.3	7.3	8.3	9.4	10.5	11.6	12.8
		COMPRESSOR CURRENT (A)	5	6	7.1	8.2	9.3	10.5	11.6
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	15	14	13
	1200	DISCHARGE PRESSURE (PSIG)	216	262	310	359	409	460	513
		DISCHARGE TEMPERATURE (°F)	113	125	137	150	164	176	190
		DISCHARGE SUPERHEAT (°F)	38	38	39	41	45	49	54
		SUCTION PRESSURE (PSIG)	129	132	135	138	141	144	147
		SUCTION TEMPERATURE (°F)	57	58	59	59	60	62	63
		SUCTION SUPERHEAT (°F)	12	12	12	11	11	11	11
OUTDOOR UNIT CURRENT (A)		6.3	7.3	8.3	9.4	10.5	11.6	12.8	
COMPRESSOR CURRENT (A)		5	6	7.1	8.2	9.3	10.5	11.6	
INDOOR COIL DB TEMP DROP (°F)		18	17	16	15	13	12	11	

Standard heating service data for use with models:

**PHE4A3024**  
**PHG4A300752X4**

PHE4A30 AND PHG4A30 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	333 (37)	355 (39)	376 (40)	398 (42)	420 (43)
47	308 (45)	329 (49)	350 (52)	371 (56)	392 (59)
40	294 (49)	315 (54)	336 (59)	356 (63)	377 (68)
30	275 (55)	295 (62)	315 (68)	336 (74)	356 (81)
17	250 (64)	269 (72)	289 (80)	309 (89)	328 (97)

**Note:** The charging chart is for use only in heating mode.

#### PHE4A30 and PHG4A30

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	800	Suction Prs./Temp.	132 / 54	108 / 44	96 / 38	80 / 30	62 / 20	53 / 15
		Liquid Prs./Temp.	353 / 87	326 / 83	311 / 81	290 / 77	262 / 73	247 / 71
		ID Air DB Temp. Rise	41	34	30	25	18	15
		Total Amp./Comp Amp.	11.4 / 8.2	11 / 7.8	10.7 / 7.5	10.4 / 7.1	10 / 6.7	9.7 / 6.4
	1000	Suction Prs./Temp.	132 / 54	108 / 43	96 / 38	80 / 30	60 / 19	50 / 14
		Liquid Prs./Temp.	328 / 82	304 / 79	291 / 77	273 / 75	249 / 72	236 / 70
		ID Air DB Temp. Rise	35	29	26	22	16	12
		Total Amp./Comp Amp.	11.4 / 7.7	11 / 7.3	10.8 / 7.1	10.6 / 6.8	10.2 / 6.4	10 / 6.2
	1200	Suction Prs./Temp.	132 / 54	108 / 43	96 / 38	79 / 29	58 / 18	48 / 12
		Liquid Prs./Temp.	302 / 77	282 / 75	271 / 74	255 / 72	235 / 70	224 / 69
		ID Air DB Temp. Rise	30	25	22	18	13	10
		Total Amp./Comp Amp.	11.3 / 7.2	11.1 / 6.9	10.9 / 6.7	10.7 / 6.4	10.4 / 6.1	10.3 / 6
70	800	Suction Prs./Temp.	134 / 54	109 / 44	96 / 39	80 / 32	61 / 22	51 / 17
		Liquid Prs./Temp.	399 / 95	370 / 91	354 / 90	331 / 87	301 / 84	285 / 82
		ID Air DB Temp. Rise	39	32	29	24	17	14
		Total Amp./Comp Amp.	12.4 / 9.2	11.9 / 8.7	11.6 / 8.4	11.2 / 8	10.7 / 7.4	10.4 / 7.1
	1000	Suction Prs./Temp.	134 / 54	108 / 44	96 / 39	79 / 31	60 / 21	51 / 16
		Liquid Prs./Temp.	371 / 91	370 / 91	354 / 90	331 / 87	301 / 84	285 / 82
		ID Air DB Temp. Rise	33	28	25	20	15	11
		Total Amp./Comp Amp.	12.3 / 8.6	11.9 / 8.2	11.6 / 7.9	11.3 / 7.6	10.9 / 7.2	10.7 / 6.9
	1200	Suction Prs./Temp.	134 / 54	108 / 44	95 / 39	78 / 31	59 / 21	50 / 15
		Liquid Prs./Temp.	343 / 86	322 / 84	311 / 83	296 / 81	275 / 79	264 / 78
		ID Air DB Temp. Rise	28	23	20	17	12	9
		Total Amp./Comp Amp.	12.2 / 8	11.9 / 7.7	11.7 / 7.5	11.5 / 7.2	11.1 / 6.9	11 / 6.7
80	800	Suction Prs./Temp.	136 / 54	110 / 45	96 / 40	79 / 33	59 / 24	50 / 19
		Liquid Prs./Temp.	445 / 103	413 / 100	396 / 99	372 / 97	340 / 94	323 / 92
		ID Air DB Temp. Rise	37	30	27	22	16	12
		Total Amp./Comp Amp.	13.3 / 10.2	12.8 / 9.6	12.4 / 9.3	12 / 8.8	11.4 / 8.2	11.1 / 7.8
	1000	Suction Prs./Temp.	136 / 54	109 / 45	95 / 40	79 / 33	60 / 23	51 / 18
		Liquid Prs./Temp.	415 / 99	388 / 97	374 / 95	354 / 94	327 / 91	313 / 90
		ID Air DB Temp. Rise	31	26	23	19	13	11
		Total Amp./Comp Amp.	13.2 / 9.6	12.7 / 9.1	12.5 / 8.8	12.1 / 8.4	11.6 / 7.9	11.4 / 7.6
	1200	Suction Prs./Temp.	135 / 54	108 / 45	95 / 40	78 / 32	60 / 23	52 / 18
		Liquid Prs./Temp.	384 / 95	363 / 93	352 / 92	336 / 91	315 / 89	304 / 88
		ID Air DB Temp. Rise	26	21	19	16	11	9
		Total Amp./Comp Amp.	13.1 / 8.9	12.7 / 8.5	12.5 / 8.3	12.2 / 8	11.9 / 7.7	11.7 / 7.5

Extended heating service data for use with models:

**PHE4A3024**

**PHG4A300752X4**

**PHE4A30 and PHG4A30**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
2.5	800	60	MBH	8.7	11.0	14.1	17.6	21.0	25.1	29.8	34.4
			KW	1.7	2.1	1.9	1.9	2.0	2.1	2.1	2.2
		70	MBH	6.7	9.4	12.7	16.3	19.9	23.9	28.4	32.8
			KW	1.8	2.3	2.0	2.1	2.2	2.2	2.3	2.4
		80	MBH	5.0	8.0	11.4	15.1	18.7	22.7	27.0	31.2
			KW	1.9	2.4	2.1	2.2	2.3	2.4	2.5	2.6
	1000	60	MBH	8.7	11.6	14.4	18.0	21.6	26.1	31.5	36.8
			KW	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.1
		70	MBH	6.8	10.0	13.1	16.9	20.6	24.9	29.7	34.5
			KW	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.3
		80	MBH	5.1	8.6	11.9	15.8	19.6	23.7	27.9	32.1
			KW	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5
	1200	60	MBH	8.6	13.9	14.7	18.5	22.3	27.2	33.2	39.2
			KW	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1
		70	MBH	6.8	12.1	13.5	17.5	21.4	25.9	31.0	36.1
			KW	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.3
		80	MBH	5.2	10.6	12.4	16.5	20.5	24.6	28.8	33.0
			KW	2.0	2.2	2.2	2.2	2.3	2.3	2.4	2.5

Standard cooling service data for use with models:

**PHE4B3624**  
**PHE4B3634**  
**PHE4B3644**  
**PHG4B361002X4**

PHE4B36 AND PHG4B36 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	197 (36)	199 (35)	203 (33)	207 (34)
60	213 (36)	214 (36)	219 (34)	223 (34)
65	230 (37)	230 (36)	235 (34)	239 (35)
70	248 (37)	248 (37)	252 (35)	257 (35)
75	267 (38)	266 (39)	271 (36)	276 (36)
80	287 (39)	286 (40)	291 (37)	296 (37)
85	308 (41)	307 (42)	312 (38)	317 (38)
90	331 (42)	329 (43)	334 (40)	340 (39)
95	355 (44)	353 (45)	358 (42)	363 (41)
100	379 (46)	378 (48)	382 (44)	388 (42)
105	405 (48)	404 (50)	408 (46)	414 (44)
110	432 (51)	431 (53)	435 (49)	441 (46)
115	461 (54)	460 (56)	463 (51)	470 (47)
120	490 (57)	489 (59)	493 (54)	499 (50)
125	520 (60)	520 (62)	523 (58)	530 (52)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4B36 and PHG4B36

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	DISCHARGE PRESSURE (PSIG)	200	230	266	306	352	402	457	518
		DISCHARGE TEMPERATURE (°F)	104	115	126	139	152	166	181	197
		DISCHARGE SUPERHEAT (°F)	34	36	38	41	45	49	54	60
		SUCTION PRESSURE (PSIG)	115	118	122	125	128	131	134	137
		SUCTION TEMPERATURE (°F)	50	50	51	51	52	53	55	56
		SUCTION SUPERHEAT (°F)	11	10	9	8	8	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.1
		COMPRESSOR CURRENT (A)	5.9	6.8	7.9	9.0	10.3	11.6	13.1	14.6
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	22	20	18
	1200	DISCHARGE PRESSURE (PSIG)	201	231	267	307	353	403	458	519
		DISCHARGE TEMPERATURE (°F)	104	115	126	139	153	166	181	197
		DISCHARGE SUPERHEAT (°F)	34	36	38	41	45	49	54	60
		SUCTION PRESSURE (PSIG)	118	121	125	128	131	134	137	140
		SUCTION TEMPERATURE (°F)	52	52	53	53	54	56	57	58
		SUCTION SUPERHEAT (°F)	12	11	10	9	9	9	9	9
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.1
		COMPRESSOR CURRENT (A)	5.9	6.8	7.9	9.0	10.3	11.6	13.1	14.6
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	19	17
	1400	DISCHARGE PRESSURE (PSIG)	202	232	268	308	354	404	459	520
		DISCHARGE TEMPERATURE (°F)	104	115	127	139	153	167	181	197
		DISCHARGE SUPERHEAT (°F)	34	36	38	41	45	49	54	60
		SUCTION PRESSURE (PSIG)	121	124	128	131	134	137	140	143
		SUCTION TEMPERATURE (°F)	54	55	55	55	57	58	59	60
		SUCTION SUPERHEAT (°F)	13	12	11	10	10	10	10	10
OUTDOOR UNIT CURRENT (A)		7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.1	
COMPRESSOR CURRENT (A)		5.9	6.8	7.9	9.0	10.3	11.6	13.1	14.6	
INDOOR COIL DB TEMP DROP (°F)		24	24	23	22	21	20	18	16	

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## PHE4B36 and PHG4B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	DISCHARGE PRESSURE (PSIG)	195	228	265	306	353	403	459	518
		DISCHARGE TEMPERATURE (°F)	105	116	127	140	153	166	182	198
		DISCHARGE SUPERHEAT (°F)	37	38	39	42	45	49	55	61
		SUCTION PRESSURE (PSIG)	109	114	118	123	127	131	135	139
		SUCTION TEMPERATURE (°F)	48	48	49	50	52	53	56	59
		SUCTION SUPERHEAT (°F)	12	10	9	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.5	11.7	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	8.9	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	36	34	33	31	30	28	26	24	
	1200	DISCHARGE PRESSURE (PSIG)	197	230	267	308	355	405	461	520
		DISCHARGE TEMPERATURE (°F)	105	116	126	139	152	166	182	197
		DISCHARGE SUPERHEAT (°F)	36	37	38	41	44	48	54	60
		SUCTION PRESSURE (PSIG)	115	120	124	129	133	137	141	145
		SUCTION TEMPERATURE (°F)	52	52	53	54	55	57	59	62
		SUCTION SUPERHEAT (°F)	13	11	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.5	11.7	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	8.9	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	33	31	30	28	27	25	23	21	
	1400	DISCHARGE PRESSURE (PSIG)	199	232	269	310	357	407	463	522
		DISCHARGE TEMPERATURE (°F)	104	115	126	138	151	165	181	196
		DISCHARGE SUPERHEAT (°F)	35	36	37	40	43	47	53	59
		SUCTION PRESSURE (PSIG)	121	126	130	135	139	143	147	151
		SUCTION TEMPERATURE (°F)	55	55	56	57	59	60	63	65
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.5	11.7	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	8.9	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	30	28	27	25	24	22	20	18	
	80/62	1000	DISCHARGE PRESSURE (PSIG)	197	228	264	305	351	402	458
DISCHARGE TEMPERATURE (°F)			104	114	127	139	152	167	183	199
DISCHARGE SUPERHEAT (°F)			35	36	39	42	45	50	56	62
SUCTION PRESSURE (PSIG)			113	117	121	125	129	133	136	140
SUCTION TEMPERATURE (°F)			51	50	50	51	53	55	57	61
SUCTION SUPERHEAT (°F)			13	11	9	8	8	9	10	12
OUTDOOR UNIT CURRENT (A)			7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.2
COMPRESSOR CURRENT (A)			5.9	6.8	7.8	9.0	10.2	11.6	13.1	14.7
INDOOR COIL DB TEMP DROP (°F)		33	32	31	30	28	27	25	23	
1200		DISCHARGE PRESSURE (PSIG)	199	230	266	307	353	404	460	520
		DISCHARGE TEMPERATURE (°F)	104	115	127	140	153	168	183	199
		DISCHARGE SUPERHEAT (°F)	35	36	39	42	45	50	56	62
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	137	140	144
		SUCTION TEMPERATURE (°F)	53	53	53	54	55	58	60	64
		SUCTION SUPERHEAT (°F)	14	12	10	9	9	10	11	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.9	6.8	7.8	9.0	10.2	11.6	13.1	14.7
INDOOR COIL DB TEMP DROP (°F)		31	30	29	28	26	25	23	21	
1400		DISCHARGE PRESSURE (PSIG)	201	232	268	309	355	406	462	522
		DISCHARGE TEMPERATURE (°F)	105	115	128	140	153	168	184	199
		DISCHARGE SUPERHEAT (°F)	35	36	39	42	45	50	56	62
		SUCTION PRESSURE (PSIG)	121	125	129	133	137	141	144	148
		SUCTION TEMPERATURE (°F)	56	56	56	56	58	60	63	66
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	11	12	14
		OUTDOOR UNIT CURRENT (A)	7.5	8.4	9.4	10.5	11.8	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.9	6.8	7.8	9.0	10.2	11.6	13.1	14.7
INDOOR COIL DB TEMP DROP (°F)		29	28	27	26	24	23	21	19	

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## PHE4B36 and PHG4B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	DISCHARGE PRESSURE (PSIG)	201	233	269	310	356	406	461	521
		DISCHARGE TEMPERATURE (°F)	103	113	125	136	150	164	179	195
		DISCHARGE SUPERHEAT (°F)	33	34	36	38	42	46	51	58
		SUCTION PRESSURE (PSIG)	126	128	131	134	137	140	144	148
		SUCTION TEMPERATURE (°F)	55	55	54	55	56	57	60	62
		SUCTION SUPERHEAT (°F)	12	11	9	8	8	8	9	10
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.5	11.8	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	9.0	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	22	21	20	
	1200	DISCHARGE PRESSURE (PSIG)	203	235	271	312	358	408	463	523
		DISCHARGE TEMPERATURE (°F)	104	114	125	137	151	164	179	196
		DISCHARGE SUPERHEAT (°F)	33	34	36	38	42	46	51	58
		SUCTION PRESSURE (PSIG)	130	132	135	138	141	144	148	152
		SUCTION TEMPERATURE (°F)	58	58	57	57	58	60	62	65
		SUCTION SUPERHEAT (°F)	13	12	10	9	9	9	10	11
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.5	11.8	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	9.0	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	19	
	1400	DISCHARGE PRESSURE (PSIG)	205	237	273	314	360	410	465	525
		DISCHARGE TEMPERATURE (°F)	104	114	126	137	151	165	179	196
		DISCHARGE SUPERHEAT (°F)	33	34	36	38	42	46	51	58
		SUCTION PRESSURE (PSIG)	134	136	139	142	145	148	152	156
		SUCTION TEMPERATURE (°F)	61	60	60	60	61	62	65	67
		SUCTION SUPERHEAT (°F)	14	13	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	7.3	8.3	9.3	10.5	11.8	13.1	14.6	16.2
		COMPRESSOR CURRENT (A)	5.8	6.7	7.8	9.0	10.2	11.6	13.1	14.7
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	18	
	80/72	1000	DISCHARGE PRESSURE (PSIG)	206	238	275	316	362	413	469
DISCHARGE TEMPERATURE (°F)			106	116	126	138	150	163	176	191
DISCHARGE SUPERHEAT (°F)			34	35	36	38	41	44	47	52
SUCTION PRESSURE (PSIG)			138	140	143	146	149	153	157	162
SUCTION TEMPERATURE (°F)			61	61	62	62	64	64	65	66
SUCTION SUPERHEAT (°F)			13	12	12	11	11	10	10	9
OUTDOOR UNIT CURRENT (A)			7.4	8.3	9.3	10.4	11.7	13.1	14.7	16.3
COMPRESSOR CURRENT (A)			5.8	6.7	7.7	8.9	10.2	11.6	13.2	14.8
INDOOR COIL DB TEMP DROP (°F)		22	22	21	21	20	19	17	15	
1200		DISCHARGE PRESSURE (PSIG)	207	239	276	317	363	414	470	530
		DISCHARGE TEMPERATURE (°F)	106	116	127	138	151	163	176	191
		DISCHARGE SUPERHEAT (°F)	34	35	36	38	41	44	47	52
		SUCTION PRESSURE (PSIG)	141	143	146	149	152	156	160	165
		SUCTION TEMPERATURE (°F)	63	63	64	65	66	66	68	68
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.4	11.7	13.1	14.7	16.3
		COMPRESSOR CURRENT (A)	5.8	6.7	7.7	8.9	10.2	11.6	13.2	14.8
INDOOR COIL DB TEMP DROP (°F)		20	20	19	19	18	17	15	13	
1400		DISCHARGE PRESSURE (PSIG)	208	240	277	318	364	415	471	531
		DISCHARGE TEMPERATURE (°F)	106	116	127	138	151	164	176	191
		DISCHARGE SUPERHEAT (°F)	34	35	36	38	41	44	47	52
		SUCTION PRESSURE (PSIG)	144	146	149	152	155	159	163	168
		SUCTION TEMPERATURE (°F)	66	65	67	67	68	68	70	70
		SUCTION SUPERHEAT (°F)	15	14	14	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	7.4	8.3	9.3	10.4	11.7	13.1	14.7	16.3
		COMPRESSOR CURRENT (A)	5.8	6.7	7.7	8.9	10.2	11.6	13.2	14.8
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	15	13	11	

Extended cooling service data for use with models:

**PHE4B3624**

**PHE4B3634**

**PHE4B3644**

**PHG4B361002X4**

**PHE4B36/PHG4B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1000	DISCHARGE PRESSURE (PSIG)	223	269	317	366	417	469	523
		DISCHARGE TEMPERATURE (°F)	111	123	135	147	161	174	188
		DISCHARGE SUPERHEAT (°F)	34	34	35	37	41	45	50
		SUCTION PRESSURE (PSIG)	143	146	149	152	155	158	162
		SUCTION TEMPERATURE (°F)	59	60	62	63	64	65	67
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.8	9.1	10.4	11.7	13	14.4	15.8
		COMPRESSOR CURRENT (A)	6.3	7.6	8.9	10.2	11.5	12.9	14.3
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23
	1200	DISCHARGE PRESSURE (PSIG)	225	271	319	368	419	471	525
		DISCHARGE TEMPERATURE (°F)	110	122	134	147	160	173	187
		DISCHARGE SUPERHEAT (°F)	33	33	34	36	40	44	49
		SUCTION PRESSURE (PSIG)	147	150	153	156	159	162	166
		SUCTION TEMPERATURE (°F)	61	62	63	64	65	66	69
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.8	9.1	10.4	11.7	13	14.4	15.8
		COMPRESSOR CURRENT (A)	6.3	7.6	8.9	10.2	11.5	12.9	14.3
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22
	1400	DISCHARGE PRESSURE (PSIG)	227	273	321	370	421	473	527
		DISCHARGE TEMPERATURE (°F)	110	122	134	146	160	173	186
		DISCHARGE SUPERHEAT (°F)	32	32	33	35	39	43	48
		SUCTION PRESSURE (PSIG)	151	154	157	160	163	166	170
		SUCTION TEMPERATURE (°F)	62	63	64	66	67	68	70
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	9	10
		OUTDOOR UNIT CURRENT (A)	7.8	9.1	10.4	11.7	13	14.4	15.8
		COMPRESSOR CURRENT (A)	6.3	7.6	8.9	10.2	11.5	12.9	14.3
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21

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## PHE4B36/PHG4B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1000	DISCHARGE PRESSURE (PSIG)	217	264	312	363	414	467	522
		DISCHARGE TEMPERATURE (°F)	112	125	137	150	162	175	188
		DISCHARGE SUPERHEAT (°F)	37	37	38	40	43	46	51
		SUCTION PRESSURE (PSIG)	129	133	137	141	146	151	156
		SUCTION TEMPERATURE (°F)	54	55	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.4	11.8	13.1	14.5	16
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.3	11.7	13.1	14.5
	INDOOR COIL DB TEMP DROP (°F)	35	34	32	31	29	27	25	
	1200	DISCHARGE PRESSURE (PSIG)	219	266	314	365	416	469	524
		DISCHARGE TEMPERATURE (°F)	111	124	136	149	162	174	188
		DISCHARGE SUPERHEAT (°F)	36	36	37	39	42	45	50
		SUCTION PRESSURE (PSIG)	135	139	143	147	152	157	162
		SUCTION TEMPERATURE (°F)	56	58	59	61	63	65	67
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.4	11.8	13.1	14.5	16
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.3	11.7	13.1	14.5
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	27	25	23	
	1400	DISCHARGE PRESSURE (PSIG)	221	268	316	367	418	471	526
		DISCHARGE TEMPERATURE (°F)	111	124	136	148	161	173	187
		DISCHARGE SUPERHEAT (°F)	35	35	36	38	41	44	49
		SUCTION PRESSURE (PSIG)	141	145	149	153	158	163	168
		SUCTION TEMPERATURE (°F)	58	60	62	63	65	68	69
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.4	11.8	13.1	14.5	16
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.3	11.7	13.1	14.5
	INDOOR COIL DB TEMP DROP (°F)	31	30	28	27	25	23	21	
	90/62	1000	DISCHARGE PRESSURE (PSIG)	215	263	311	361	413	466
DISCHARGE TEMPERATURE (°F)			113	125	138	150	163	176	189
DISCHARGE SUPERHEAT (°F)			39	38	39	41	44	48	52
SUCTION PRESSURE (PSIG)			125	129	133	138	143	149	154
SUCTION TEMPERATURE (°F)			52	54	55	57	60	63	64
SUCTION SUPERHEAT (°F)			9	9	9	9	10	10	10
OUTDOOR UNIT CURRENT (A)			8.2	9.4	10.6	11.8	13.1	14.4	15.8
COMPRESSOR CURRENT (A)			6.6	7.8	9.1	10.3	11.6	13	14.4
INDOOR COIL DB TEMP DROP (°F)		37	36	34	32	30	28	26	
1200		DISCHARGE PRESSURE (PSIG)	218	266	314	364	416	469	524
		DISCHARGE TEMPERATURE (°F)	112	124	136	149	162	175	188
		DISCHARGE SUPERHEAT (°F)	37	36	37	39	42	46	50
		SUCTION PRESSURE (PSIG)	133	137	141	146	151	157	162
		SUCTION TEMPERATURE (°F)	55	57	58	60	63	65	67
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.2	9.4	10.6	11.8	13.1	14.4	15.8
		COMPRESSOR CURRENT (A)	6.6	7.8	9.1	10.3	11.6	13	14.4
INDOOR COIL DB TEMP DROP (°F)		34	33	31	29	27	25	23	
1400		DISCHARGE PRESSURE (PSIG)	221	269	317	367	419	472	527
		DISCHARGE TEMPERATURE (°F)	111	123	135	147	160	173	186
		DISCHARGE SUPERHEAT (°F)	35	34	35	37	40	44	48
		SUCTION PRESSURE (PSIG)	141	145	149	154	159	165	170
		SUCTION TEMPERATURE (°F)	58	60	62	63	66	68	70
		SUCTION SUPERHEAT (°F)	9	9	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.2	9.4	10.6	11.8	13.1	14.4	15.8
		COMPRESSOR CURRENT (A)	6.6	7.8	9.1	10.3	11.6	13	14.4
INDOOR COIL DB TEMP DROP (°F)		31	30	28	26	24	22	20	

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## PHE4B36/PHG4B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1000	DISCHARGE PRESSURE (PSIG)	219	266	314	364	416	469	523
		DISCHARGE TEMPERATURE (°F)	111	125	137	151	164	178	193
		DISCHARGE SUPERHEAT (°F)	36	37	38	41	44	49	55
		SUCTION PRESSURE (PSIG)	129	132	136	139	142	146	150
		SUCTION TEMPERATURE (°F)	54	55	56	58	59	61	63
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.5	11.8	13.2	14.6	16
		COMPRESSOR CURRENT (A)	6.4	7.7	9	10.3	11.7	13.1	14.6
	INDOOR COIL DB TEMP DROP (°F)	16	15	14	13	11	10	9	
	1200	DISCHARGE PRESSURE (PSIG)	220	267	315	365	417	470	524
		DISCHARGE TEMPERATURE (°F)	111	124	137	150	163	177	192
		DISCHARGE SUPERHEAT (°F)	35	36	37	40	43	48	54
		SUCTION PRESSURE (PSIG)	133	136	140	143	146	150	154
		SUCTION TEMPERATURE (°F)	55	56	58	59	60	63	64
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.5	11.8	13.2	14.6	16
		COMPRESSOR CURRENT (A)	6.4	7.7	9	10.3	11.7	13.1	14.6
	INDOOR COIL DB TEMP DROP (°F)	15	14	13	12	10	9	8	
	1400	DISCHARGE PRESSURE (PSIG)	221	268	316	366	418	471	525
		DISCHARGE TEMPERATURE (°F)	110	124	136	149	162	176	191
		DISCHARGE SUPERHEAT (°F)	34	35	36	39	42	47	53
		SUCTION PRESSURE (PSIG)	137	140	144	147	150	154	158
		SUCTION TEMPERATURE (°F)	57	58	60	61	62	64	66
		SUCTION SUPERHEAT (°F)	9	9	9	9	9	10	10
		OUTDOOR UNIT CURRENT (A)	7.9	9.2	10.5	11.8	13.2	14.6	16
		COMPRESSOR CURRENT (A)	6.4	7.7	9	10.3	11.7	13.1	14.6
	INDOOR COIL DB TEMP DROP (°F)	14	13	12	11	9	8	7	
	70/62	1000	DISCHARGE PRESSURE (PSIG)	214	261	309	359	410	463
DISCHARGE TEMPERATURE (°F)			113	127	140	154	168	182	198
DISCHARGE SUPERHEAT (°F)			39	40	42	45	49	54	61
SUCTION PRESSURE (PSIG)			118	121	123	126	129	132	136
SUCTION TEMPERATURE (°F)			49	50	52	53	55	57	58
SUCTION SUPERHEAT (°F)			9	9	10	10	10	11	11
OUTDOOR UNIT CURRENT (A)			8.3	9.5	10.7	12	13.3	14.6	16
COMPRESSOR CURRENT (A)			6.7	7.9	9.2	10.5	11.8	13.2	14.6
INDOOR COIL DB TEMP DROP (°F)		20	19	18	17	16	14	13	
1200		DISCHARGE PRESSURE (PSIG)	216	263	311	361	412	465	519
		DISCHARGE TEMPERATURE (°F)	113	126	140	153	167	181	197
		DISCHARGE SUPERHEAT (°F)	38	39	41	44	48	53	60
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	136	140
		SUCTION TEMPERATURE (°F)	51	52	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	9	9	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	8.3	9.5	10.7	12	13.3	14.6	16
		COMPRESSOR CURRENT (A)	6.7	7.9	9.2	10.5	11.8	13.2	14.6
INDOOR COIL DB TEMP DROP (°F)		19	18	17	16	15	13	12	
1400		DISCHARGE PRESSURE (PSIG)	218	265	313	363	414	467	521
		DISCHARGE TEMPERATURE (°F)	112	126	139	153	166	181	196
		DISCHARGE SUPERHEAT (°F)	37	38	40	43	47	52	59
		SUCTION PRESSURE (PSIG)	126	129	131	134	137	140	144
		SUCTION TEMPERATURE (°F)	52	54	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	9	9	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	8.3	9.5	10.7	12	13.3	14.6	16
		COMPRESSOR CURRENT (A)	6.7	7.9	9.2	10.5	11.8	13.2	14.6
INDOOR COIL DB TEMP DROP (°F)		18	17	16	15	14	12	11	

Standard heating service data for use with models:

**PHE4B3624**  
**PHE4B3634**  
**PHE4B3644**  
**PHG4B361002X4**

PHE4B36 AND PHG4B36 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	306 (50)	337 (52)	368 (54)	398 (56)	429 (58)
47	286 (52)	314 (53)	342 (55)	371 (57)	399 (58)
40	275 (53)	302 (54)	329 (56)	356 (57)	383 (59)
30	259 (55)	284 (56)	309 (57)	335 (58)	360 (60)
17	238 (57)	261 (58)	284 (59)	307 (60)	330 (61)

**Note:** The charging chart is for use only in heating mode.

#### PHE4B36 and PHG4B36

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1000	Suction Prs./Temp.	109 / 53	85 / 40	74 / 33	62 / 23	52 / 10	48 / 3
		Liquid Prs./Temp.	345 / 87	318 / 82	304 / 80	284 / 77	258 / 72	244 / 70
		ID Air DB Temp. Rise	38	32	29	24	18	15
		Total Amp./Comp Amp.	12.7 / 10.1	12.2 / 9.5	12 / 9.2	11.6 / 8.8	11 / 8.3	10.8 / 8
	1200	Suction Prs./Temp.	120 / 53	94 / 40	82 / 33	68 / 24	55 / 11	50 / 5
		Liquid Prs./Temp.	322 / 83	300 / 79	288 / 77	271 / 74	249 / 70	237 / 68
		ID Air DB Temp. Rise	34	28	25	21	16	13
		Total Amp./Comp Amp.	12.9 / 9.5	12.5 / 9.1	12.3 / 8.8	12 / 8.5	11.6 / 8.1	11.4 / 7.8
	1400	Suction Prs./Temp.	130 / 53	103 / 40	90 / 34	74 / 25	58 / 12	52 / 6
		Liquid Prs./Temp.	300 / 79	282 / 76	272 / 74	258 / 71	240 / 68	230 / 66
		ID Air DB Temp. Rise	29	25	22	18	14	11
		Total Amp./Comp Amp.	13.1 / 9	12.8 / 8.6	12.7 / 8.4	12.4 / 8.2	12.1 / 7.9	12 / 7.7
70	1000	Suction Prs./Temp.	120 / 53	96 / 40	85 / 33	71 / 23	57 / 10	51 / 3
		Liquid Prs./Temp.	395 / 95	365 / 91	350 / 89	327 / 86	297 / 82	282 / 80
		ID Air DB Temp. Rise	36	31	27	23	17	14
		Total Amp./Comp Amp.	14 / 11.5	13.4 / 10.8	13 / 10.4	12.5 / 9.9	11.9 / 9.2	11.5 / 8.8
	1200	Suction Prs./Temp.	125 / 53	100 / 41	88 / 34	74 / 24	58 / 11	52 / 4
		Liquid Prs./Temp.	371 / 91	365 / 91	350 / 89	327 / 86	297 / 82	282 / 80
		ID Air DB Temp. Rise	32	27	24	20	15	12
		Total Amp./Comp Amp.	14.1 / 10.8	13.6 / 10.3	13.3 / 10	12.9 / 9.5	12.4 / 9	12.1 / 8.7
	1400	Suction Prs./Temp.	131 / 54	104 / 41	92 / 34	76 / 25	60 / 12	53 / 5
		Liquid Prs./Temp.	348 / 88	327 / 85	316 / 83	300 / 81	279 / 78	268 / 76
		ID Air DB Temp. Rise	28	24	21	18	13	11
		Total Amp./Comp Amp.	14.2 / 10.2	13.8 / 9.8	13.6 / 9.5	13.3 / 9.2	12.9 / 8.8	12.7 / 8.5
80	1000	Suction Prs./Temp.	132 / 53	107 / 40	95 / 33	79 / 23	62 / 10	53 / 3
		Liquid Prs./Temp.	445 / 103	412 / 99	395 / 98	370 / 95	337 / 91	320 / 90
		ID Air DB Temp. Rise	34	29	26	22	17	14
		Total Amp./Comp Amp.	15.3 / 12.8	14.5 / 12	14.1 / 11.6	13.5 / 10.9	12.7 / 10.1	12.3 / 9.7
	1200	Suction Prs./Temp.	131 / 54	107 / 41	95 / 34	79 / 24	61 / 11	53 / 4
		Liquid Prs./Temp.	420 / 100	392 / 96	377 / 95	356 / 92	328 / 89	313 / 88
		ID Air DB Temp. Rise	31	26	23	19	15	12
		Total Amp./Comp Amp.	15.3 / 12.1	14.6 / 11.5	14.3 / 11.1	13.8 / 10.6	13.2 / 9.9	12.8 / 9.5
	1400	Suction Prs./Temp.	131 / 55	106 / 42	94 / 35	79 / 25	61 / 12	53 / 4
		Liquid Prs./Temp.	395 / 96	372 / 94	359 / 92	341 / 90	318 / 87	306 / 85
		ID Air DB Temp. Rise	27	23	20	17	13	10
		Total Amp./Comp Amp.	15.3 / 11.5	14.8 / 10.9	14.5 / 10.6	14.1 / 10.2	13.6 / 9.7	13.4 / 9.4

Extended heating service data for use with models:

**PHE4B3624**

**PHE4B3634**

**PHE4B3644**

**PHG4B361002X4**

**PHE4B36 and PHG4B36**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
3	1000	60	MBH	10.8	16.1	17.9	21.5	25.0	30.0	36.5	43.0
			KW	2.1	2.5	2.3	2.4	2.4	2.5	2.6	2.7
		70	MBH	9.0	14.5	16.9	20.9	24.8	29.5	34.8	40.2
			KW	2.2	2.6	2.4	2.5	2.7	2.8	2.9	3.0
		80	MBH	6.9	12.7	15.8	20.3	24.7	29.0	33.2	37.3
			KW	2.4	2.8	2.6	2.7	2.9	3.0	3.1	3.3
	1200	60	MBH	10.6	14.2	18.5	22.5	26.4	31.6	38.1	44.6
			KW	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.6
		70	MBH	8.8	12.7	17.4	21.7	26.0	30.9	36.4	41.9
			KW	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9
		80	MBH	7.0	11.3	16.3	21.0	25.6	30.2	34.8	39.3
			KW	2.4	2.5	2.7	2.8	2.9	3.0	3.1	3.2
	1400	60	MBH	10.4	17.6	19.1	23.5	27.8	33.2	39.7	46.1
			KW	2.2	2.5	2.3	2.4	2.4	2.5	2.5	2.6
		70	MBH	8.0	15.5	18.0	23.0	28.0	32.4	38.1	43.7
			KW	2.4	2.7	2.5	2.6	2.7	2.7	2.8	2.9
		80	MBH	7.6	14.5	16.8	21.4	26.0	31.5	36.4	41.3
			KW	2.5	2.9	2.7	2.8	2.9	2.9	3.0	3.1

Standard cooling service data for use with models:

**PHE4B4224**  
**PHG4B420652X4**  
**PHG4B421002X4**

PHE4B42 AND PHG4B42 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	207 (35)	206 (36)	210 (35)	213 (37)
60	223 (36)	223 (35)	227 (35)	231 (36)
65	241 (37)	240 (35)	245 (35)	249 (35)
70	259 (37)	258 (35)	263 (36)	268 (35)
75	278 (38)	277 (36)	283 (36)	288 (35)
80	299 (40)	298 (37)	304 (37)	309 (36)
85	321 (41)	320 (38)	326 (39)	331 (36)
90	344 (43)	342 (39)	348 (40)	354 (37)
95	368 (44)	366 (41)	372 (42)	378 (39)
100	393 (46)	391 (43)	397 (44)	403 (40)
105	419 (48)	418 (45)	422 (46)	429 (42)
110	447 (51)	445 (48)	449 (49)	455 (44)
115	475 (53)	474 (51)	477 (52)	483 (47)
120	505 (56)	503 (55)	506 (55)	512 (50)
125	536 (58)	534 (58)	535 (58)	542 (53)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4B42 and PHG4B42

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1200	DISCHARGE PRESSURE (PSIG)	204	238	276	318	364	414	469	528
		DISCHARGE TEMPERATURE (°F)	106	115	126	138	151	166	182	199
		DISCHARGE SUPERHEAT (°F)	35	34	35	38	41	47	53	61
		SUCTION PRESSURE (PSIG)	119	122	124	127	130	133	137	140
		SUCTION TEMPERATURE (°F)	52	52	51	51	52	54	57	60
		SUCTION SUPERHEAT (°F)	12	10	8	7	7	8	9	11
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.9	12.2	13.6	15.2	16.8	18.6
		COMPRESSOR CURRENT (A)	7.1	8.2	9.4	10.7	12.2	13.7	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	23	22	21	19
	1400	DISCHARGE PRESSURE (PSIG)	206	240	278	320	366	416	471	530
		DISCHARGE TEMPERATURE (°F)	107	115	126	139	151	167	182	200
		DISCHARGE SUPERHEAT (°F)	35	34	35	38	41	47	53	61
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	136	140	143
		SUCTION TEMPERATURE (°F)	55	54	53	53	54	56	59	62
		SUCTION SUPERHEAT (°F)	13	11	9	8	8	9	10	12
		OUTDOOR UNIT CURRENT (A)	8.6	9.7	10.9	12.2	13.6	15.2	16.8	18.6
		COMPRESSOR CURRENT (A)	7.1	8.2	9.4	10.7	12.2	13.7	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	23	22	21	20	19	17
	1600	DISCHARGE PRESSURE (PSIG)	208	242	280	322	368	418	473	532
		DISCHARGE TEMPERATURE (°F)	107	116	126	139	152	167	183	200
		DISCHARGE SUPERHEAT (°F)	35	34	35	38	41	47	53	61
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	143	146
		SUCTION TEMPERATURE (°F)	57	56	55	55	56	59	61	64
		SUCTION SUPERHEAT (°F)	14	12	10	9	9	10	11	13
OUTDOOR UNIT CURRENT (A)		8.6	9.7	10.9	12.2	13.6	15.2	16.8	18.6	
COMPRESSOR CURRENT (A)		7.1	8.2	9.4	10.7	12.2	13.7	15.4	17.2	
INDOOR COIL DB TEMP DROP (°F)		24	23	21	20	19	18	17	15	

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## PHE4B42 and PHG4B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1200	DISCHARGE PRESSURE (PSIG)	204	238	275	318	365	416	472	533
		DISCHARGE TEMPERATURE (°F)	107	119	129	142	155	169	183	198
		DISCHARGE SUPERHEAT (°F)	36	38	39	42	45	49	54	59
		SUCTION PRESSURE (PSIG)	115	118	121	125	129	134	139	145
		SUCTION TEMPERATURE (°F)	51	51	51	53	55	57	60	63
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	11.0	12.3	13.7	15.3	16.9	18.7
		COMPRESSOR CURRENT (A)	7.2	8.3	9.5	10.8	12.3	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	34	33	31	30	28	26	24	22	
	1400	DISCHARGE PRESSURE (PSIG)	207	241	278	321	368	419	475	536
		DISCHARGE TEMPERATURE (°F)	107	119	129	142	155	168	183	198
		DISCHARGE SUPERHEAT (°F)	35	37	38	41	44	48	53	58
		SUCTION PRESSURE (PSIG)	121	124	127	131	135	140	145	151
		SUCTION TEMPERATURE (°F)	54	55	55	56	58	60	63	66
		SUCTION SUPERHEAT (°F)	13	12	11	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	11.0	12.3	13.7	15.3	16.9	18.7
		COMPRESSOR CURRENT (A)	7.2	8.3	9.5	10.8	12.3	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	26	24	22	20	
	1600	DISCHARGE PRESSURE (PSIG)	210	244	281	324	371	422	478	539
		DISCHARGE TEMPERATURE (°F)	107	118	129	142	154	168	182	197
		DISCHARGE SUPERHEAT (°F)	34	36	37	40	43	47	52	57
		SUCTION PRESSURE (PSIG)	127	130	133	137	141	146	151	157
		SUCTION TEMPERATURE (°F)	58	58	58	60	61	63	66	69
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.7	9.8	11.0	12.3	13.7	15.3	16.9	18.7
		COMPRESSOR CURRENT (A)	7.2	8.3	9.5	10.8	12.3	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	24	22	20	18	
	80/62	1200	DISCHARGE PRESSURE (PSIG)	204	238	275	318	364	416	472
DISCHARGE TEMPERATURE (°F)			107	116	126	138	151	165	180	197
DISCHARGE SUPERHEAT (°F)			36	35	36	38	41	45	51	58
SUCTION PRESSURE (PSIG)			119	120	123	126	130	135	141	147
SUCTION TEMPERATURE (°F)			53	51	51	51	52	55	58	64
SUCTION SUPERHEAT (°F)			13	10	9	8	7	8	9	12
OUTDOOR UNIT CURRENT (A)			8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
COMPRESSOR CURRENT (A)			7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
INDOOR COIL DB TEMP DROP (°F)		32	31	30	28	27	25	24	22	
1400		DISCHARGE PRESSURE (PSIG)	206	240	277	320	366	418	474	534
		DISCHARGE TEMPERATURE (°F)	108	116	127	139	151	165	181	197
		DISCHARGE SUPERHEAT (°F)	36	35	36	38	41	45	51	58
		SUCTION PRESSURE (PSIG)	123	124	127	130	134	139	145	151
		SUCTION TEMPERATURE (°F)	56	54	54	54	55	58	61	66
		SUCTION SUPERHEAT (°F)	14	11	10	9	8	9	10	13
		OUTDOOR UNIT CURRENT (A)	8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
INDOOR COIL DB TEMP DROP (°F)		30	29	28	26	25	23	22	20	
1600		DISCHARGE PRESSURE (PSIG)	208	242	279	322	368	420	476	536
		DISCHARGE TEMPERATURE (°F)	108	117	127	139	152	166	181	198
		DISCHARGE SUPERHEAT (°F)	36	35	36	38	41	45	51	58
		SUCTION PRESSURE (PSIG)	127	128	131	134	138	143	149	155
		SUCTION TEMPERATURE (°F)	60	57	57	58	58	61	65	70
		SUCTION SUPERHEAT (°F)	16	13	12	11	10	11	12	15
		OUTDOOR UNIT CURRENT (A)	8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
INDOOR COIL DB TEMP DROP (°F)		28	27	26	24	23	21	20	18	

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## PHE4B42 and PHG4B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1200	DISCHARGE PRESSURE (PSIG)	209	244	282	325	371	421	476	534
		DISCHARGE TEMPERATURE (°F)	108	117	128	141	153	167	182	197
		DISCHARGE SUPERHEAT (°F)	35	35	36	39	42	46	52	58
		SUCTION PRESSURE (PSIG)	129	132	135	139	142	145	148	151
		SUCTION TEMPERATURE (°F)	59	58	58	59	60	61	63	65
		SUCTION SUPERHEAT (°F)	14	12	11	10	10	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	23	22	21	19	
	1400	DISCHARGE PRESSURE (PSIG)	210	245	283	326	372	422	477	535
		DISCHARGE TEMPERATURE (°F)	108	118	128	141	153	167	182	197
		DISCHARGE SUPERHEAT (°F)	35	35	36	39	42	46	52	58
		SUCTION PRESSURE (PSIG)	132	135	138	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	61	60	60	61	62	63	65	67
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	22	21	20	18	
	1600	DISCHARGE PRESSURE (PSIG)	211	246	284	327	373	423	478	536
		DISCHARGE TEMPERATURE (°F)	108	118	128	141	154	167	182	198
		DISCHARGE SUPERHEAT (°F)	35	35	36	39	42	46	52	58
		SUCTION PRESSURE (PSIG)	135	138	141	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	63	62	62	63	64	65	67	69
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.5	9.6	10.8	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	7.0	8.1	9.4	10.7	12.2	13.8	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	23	22	21	20	19	17	
	80/72	1200	DISCHARGE PRESSURE (PSIG)	212	248	287	330	377	428	482
DISCHARGE TEMPERATURE (°F)			110	118	128	139	151	164	178	193
DISCHARGE SUPERHEAT (°F)			37	35	35	36	39	42	47	53
SUCTION PRESSURE (PSIG)			137	143	148	152	156	160	162	164
SUCTION TEMPERATURE (°F)			65	64	64	64	65	66	67	69
SUCTION SUPERHEAT (°F)			17	14	12	10	10	9	10	11
OUTDOOR UNIT CURRENT (A)			8.3	9.5	10.7	12.1	13.6	15.2	16.9	18.8
COMPRESSOR CURRENT (A)			6.9	8.0	9.3	10.7	12.2	13.8	15.5	17.4
INDOOR COIL DB TEMP DROP (°F)		22	21	20	19	18	17	16	15	
1400		DISCHARGE PRESSURE (PSIG)	213	249	288	331	378	429	483	542
		DISCHARGE TEMPERATURE (°F)	111	119	128	139	152	164	178	193
		DISCHARGE SUPERHEAT (°F)	37	35	35	36	39	42	47	53
		SUCTION PRESSURE (PSIG)	139	145	150	154	158	162	164	166
		SUCTION TEMPERATURE (°F)	67	66	66	65	67	67	69	71
		SUCTION SUPERHEAT (°F)	18	15	13	11	11	10	11	12
		OUTDOOR UNIT CURRENT (A)	8.3	9.5	10.7	12.1	13.6	15.2	16.9	18.8
		COMPRESSOR CURRENT (A)	6.9	8.0	9.3	10.7	12.2	13.8	15.5	17.4
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	16	15	14	
1600		DISCHARGE PRESSURE (PSIG)	214	250	289	332	379	430	484	543
		DISCHARGE TEMPERATURE (°F)	111	119	129	139	152	164	178	194
		DISCHARGE SUPERHEAT (°F)	37	35	35	36	39	42	47	53
		SUCTION PRESSURE (PSIG)	141	147	152	156	160	164	166	168
		SUCTION TEMPERATURE (°F)	68	68	68	67	69	69	71	72
		SUCTION SUPERHEAT (°F)	19	16	14	12	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	8.3	9.5	10.7	12.1	13.6	15.2	16.9	18.8
		COMPRESSOR CURRENT (A)	6.9	8.0	9.3	10.7	12.2	13.8	15.5	17.4
INDOOR COIL DB TEMP DROP (°F)		20	19	18	17	16	15	14	13	

Extended cooling service data for use with models:

**PHE4B4224**

**PHG4B420652X4**

**PHG4B421002X4**

**PHE4B42/PHG4B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1200	DISCHARGE PRESSURE (PSIG)	233	281	330	380	432	485	540
		DISCHARGE TEMPERATURE (°F)	116	128	141	153	166	180	194
		DISCHARGE SUPERHEAT (°F)	37	36	38	40	43	48	54
		SUCTION PRESSURE (PSIG)	144	147	150	154	157	161	165
		SUCTION TEMPERATURE (°F)	64	64	65	65	67	69	70
		SUCTION SUPERHEAT (°F)	13	12	12	11	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.1	10.6	12.2	13.8	15.4	17.1	18.9
		COMPRESSOR CURRENT (A)	7.6	9.1	10.7	12.3	14	15.7	17.5
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	27	26	25	
	1400	DISCHARGE PRESSURE (PSIG)	235	283	332	382	434	487	542
		DISCHARGE TEMPERATURE (°F)	117	128	141	153	166	180	194
		DISCHARGE SUPERHEAT (°F)	37	36	38	40	43	48	54
		SUCTION PRESSURE (PSIG)	147	150	153	157	160	164	168
		SUCTION TEMPERATURE (°F)	66	66	67	67	70	71	72
		SUCTION SUPERHEAT (°F)	14	13	13	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	9.1	10.6	12.2	13.8	15.4	17.1	18.9
		COMPRESSOR CURRENT (A)	7.6	9.1	10.7	12.3	14	15.7	17.5
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	25	24	23	
	1600	DISCHARGE PRESSURE (PSIG)	237	285	334	384	436	489	544
		DISCHARGE TEMPERATURE (°F)	117	129	142	154	166	180	195
		DISCHARGE SUPERHEAT (°F)	37	36	38	40	43	48	54
		SUCTION PRESSURE (PSIG)	150	153	156	160	163	167	171
		SUCTION TEMPERATURE (°F)	68	68	69	70	72	73	74
		SUCTION SUPERHEAT (°F)	15	14	14	13	14	14	14
OUTDOOR UNIT CURRENT (A)		9.1	10.6	12.2	13.8	15.4	17.1	18.9	
COMPRESSOR CURRENT (A)		7.6	9.1	10.7	12.3	14	15.7	17.5	
INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	22	21		

Continued on next page

## PHE4B42/PHG4B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1200	DISCHARGE PRESSURE (PSIG)	225	274	324	376	429	484	541
		DISCHARGE TEMPERATURE (°F)	116	129	142	154	167	180	194
		DISCHARGE SUPERHEAT (°F)	39	39	40	42	45	49	54
		SUCTION PRESSURE (PSIG)	129	133	138	144	150	157	164
		SUCTION TEMPERATURE (°F)	57	58	60	63	65	67	70
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.1	10.6	12.2	13.8	15.4	17.1	18.8
		COMPRESSOR CURRENT (A)	7.7	9.2	10.7	12.3	14	15.7	17.4
	INDOOR COIL DB TEMP DROP (°F)	36	35	33	31	30	28	26	
	1400	DISCHARGE PRESSURE (PSIG)	227	276	326	378	431	486	543
		DISCHARGE TEMPERATURE (°F)	117	130	142	155	167	181	195
		DISCHARGE SUPERHEAT (°F)	39	39	40	42	45	49	54
		SUCTION PRESSURE (PSIG)	133	137	142	148	154	161	168
		SUCTION TEMPERATURE (°F)	59	61	63	65	67	70	72
		SUCTION SUPERHEAT (°F)	13	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	9.1	10.6	12.2	13.8	15.4	17.1	18.8
		COMPRESSOR CURRENT (A)	7.7	9.2	10.7	12.3	14	15.7	17.4
	INDOOR COIL DB TEMP DROP (°F)	34	33	31	29	28	26	24	
	1600	DISCHARGE PRESSURE (PSIG)	229	278	328	380	433	488	545
		DISCHARGE TEMPERATURE (°F)	117	130	142	155	168	181	195
		DISCHARGE SUPERHEAT (°F)	39	39	40	42	45	49	54
		SUCTION PRESSURE (PSIG)	137	141	146	152	158	165	172
		SUCTION TEMPERATURE (°F)	62	63	65	68	70	72	75
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14
OUTDOOR UNIT CURRENT (A)		9.1	10.6	12.2	13.8	15.4	17.1	18.8	
COMPRESSOR CURRENT (A)		7.7	9.2	10.7	12.3	14	15.7	17.4	
INDOOR COIL DB TEMP DROP (°F)	32	31	29	27	26	24	22		
90/62	1200	DISCHARGE PRESSURE (PSIG)	225	274	325	376	429	484	540
		DISCHARGE TEMPERATURE (°F)	115	126	139	151	164	178	194
		DISCHARGE SUPERHEAT (°F)	38	36	37	39	42	47	54
		SUCTION PRESSURE (PSIG)	130	135	140	145	150	156	161
		SUCTION TEMPERATURE (°F)	56	57	59	60	63	66	69
		SUCTION SUPERHEAT (°F)	11	10	10	9	10	11	12
		OUTDOOR UNIT CURRENT (A)	9.3	10.7	12.2	13.8	15.4	17.1	18.8
		COMPRESSOR CURRENT (A)	7.8	9.3	10.8	12.4	14	15.7	17.4
	INDOOR COIL DB TEMP DROP (°F)	38	36	34	32	30	29	27	
	1400	DISCHARGE PRESSURE (PSIG)	228	277	328	379	432	487	543
		DISCHARGE TEMPERATURE (°F)	116	127	139	152	165	179	195
		DISCHARGE SUPERHEAT (°F)	38	36	37	39	42	47	54
		SUCTION PRESSURE (PSIG)	137	142	147	152	157	163	168
		SUCTION TEMPERATURE (°F)	60	61	63	64	66	70	72
		SUCTION SUPERHEAT (°F)	12	11	11	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	9.3	10.7	12.2	13.8	15.4	17.1	18.8
		COMPRESSOR CURRENT (A)	7.8	9.3	10.8	12.4	14	15.7	17.4
	INDOOR COIL DB TEMP DROP (°F)	35	33	31	29	27	26	24	
	1600	DISCHARGE PRESSURE (PSIG)	231	280	331	382	435	490	546
		DISCHARGE TEMPERATURE (°F)	117	127	140	152	165	179	195
		DISCHARGE SUPERHEAT (°F)	38	36	37	39	42	47	54
		SUCTION PRESSURE (PSIG)	144	149	154	159	164	170	175
		SUCTION TEMPERATURE (°F)	64	65	66	67	70	73	76
		SUCTION SUPERHEAT (°F)	13	12	12	11	12	13	14
OUTDOOR UNIT CURRENT (A)		9.3	10.7	12.2	13.8	15.4	17.1	18.8	
COMPRESSOR CURRENT (A)		7.8	9.3	10.8	12.4	14	15.7	17.4	
INDOOR COIL DB TEMP DROP (°F)	32	30	28	26	24	23	21		

Continued on next page

## PHE4B42/PHG4B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1200	DISCHARGE PRESSURE (PSIG)	228	276	325	376	428	481	536
		DISCHARGE TEMPERATURE (°F)	115	128	140	152	166	180	195
		DISCHARGE SUPERHEAT (°F)	37	37	38	40	44	49	55
		SUCTION PRESSURE (PSIG)	133	136	139	142	146	149	152
		SUCTION TEMPERATURE (°F)	58	58	60	61	62	64	65
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.8	12.3	13.9	15.5	17.1	18.8
		COMPRESSOR CURRENT (A)	7.9	9.3	10.9	12.4	14	15.7	17.3
		INDOOR COIL DB TEMP DROP (°F)	17	16	15	13	12	11	10
	1400	DISCHARGE PRESSURE (PSIG)	229	277	326	377	429	482	537
		DISCHARGE TEMPERATURE (°F)	115	128	140	152	166	180	195
		DISCHARGE SUPERHEAT (°F)	37	37	38	40	44	49	55
		SUCTION PRESSURE (PSIG)	136	139	142	145	149	152	155
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.8	12.3	13.9	15.5	17.1	18.8
		COMPRESSOR CURRENT (A)	7.9	9.3	10.9	12.4	14	15.7	17.3
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	12	11	10	9
	1600	DISCHARGE PRESSURE (PSIG)	230	278	327	378	430	483	538
		DISCHARGE TEMPERATURE (°F)	116	128	140	153	166	180	195
		DISCHARGE SUPERHEAT (°F)	37	37	38	40	44	49	55
		SUCTION PRESSURE (PSIG)	139	142	145	148	152	155	158
		SUCTION TEMPERATURE (°F)	61	61	62	63	65	66	67
		SUCTION SUPERHEAT (°F)	12	11	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)		9.4	10.8	12.3	13.9	15.5	17.1	18.8	
COMPRESSOR CURRENT (A)		7.9	9.3	10.9	12.4	14	15.7	17.3	
INDOOR COIL DB TEMP DROP (°F)		15	14	13	11	10	9	8	
70/62	1200	DISCHARGE PRESSURE (PSIG)	223	270	319	369	420	472	526
		DISCHARGE TEMPERATURE (°F)	116	129	142	156	170	183	199
		DISCHARGE SUPERHEAT (°F)	39	40	42	45	49	54	61
		SUCTION PRESSURE (PSIG)	122	125	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	52	53	54	56	57	58	60
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.8	12.3	13.8	15.3	16.9	18.6
		COMPRESSOR CURRENT (A)	7.9	9.4	10.8	12.4	13.9	15.5	17.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	19	18	17	16	14
	1400	DISCHARGE PRESSURE (PSIG)	225	272	321	371	422	474	528
		DISCHARGE TEMPERATURE (°F)	115	129	142	155	169	183	198
		DISCHARGE SUPERHEAT (°F)	38	39	41	44	48	53	60
		SUCTION PRESSURE (PSIG)	125	128	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	53	54	55	57	58	60	61
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	9.4	10.8	12.3	13.8	15.3	16.9	18.6
		COMPRESSOR CURRENT (A)	7.9	9.4	10.8	12.4	13.9	15.5	17.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	18	17	16	15	13
	1600	DISCHARGE PRESSURE (PSIG)	227	274	323	373	424	476	530
		DISCHARGE TEMPERATURE (°F)	115	128	141	155	168	182	198
		DISCHARGE SUPERHEAT (°F)	37	38	40	43	47	52	59
		SUCTION PRESSURE (PSIG)	128	131	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	54	55	56	58	60	61	62
		SUCTION SUPERHEAT (°F)	10	10	10	11	11	11	11
OUTDOOR UNIT CURRENT (A)		9.4	10.8	12.3	13.8	15.3	16.9	18.6	
COMPRESSOR CURRENT (A)		7.9	9.4	10.8	12.4	13.9	15.5	17.1	
INDOOR COIL DB TEMP DROP (°F)		20	19	17	16	15	14	12	

Standard heating service data for use with models:

**PHE4B4224**  
**PHG4B420652X4**  
**PHG4B421002X4**

PHE4B42 AND PHG4B42 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	321 (46)	342 (48)	364 (50)	386 (52)	407 (54)
47	297 (53)	318 (55)	340 (57)	361 (59)	382 (61)
40	284 (58)	305 (59)	326 (61)	348 (63)	369 (65)
30	266 (64)	287 (65)	308 (67)	329 (69)	350 (70)
17	242 (72)	262 (74)	283 (75)	304 (76)	325 (78)

**Note:** The charging chart is for use only in heating mode.

**PHE4B4 and PHG4B42**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1200	Suction Prs./Temp.	125 / 56	93 / 44	79 / 38	63 / 29	49 / 17	45 / 11
		Liquid Prs./Temp.	332 / 87	307 / 81	293 / 79	274 / 75	248 / 69	235 / 67
		ID Air DB Temp. Rise	35	28	25	21	14	11
		Total Amp./Comp Amp.	14.5 / 11.5	13.9 / 10.9	13.5 / 10.5	13 / 10	12.4 / 9.4	12.1 / 9
	1400	Suction Prs./Temp.	123 / 59	93 / 46	79 / 40	63 / 31	48 / 19	42 / 12
		Liquid Prs./Temp.	315 / 81	293 / 77	281 / 74	264 / 71	241 / 66	229 / 64
		ID Air DB Temp. Rise	31	25	22	18	12	9
		Total Amp./Comp Amp.	14.9 / 11.1	14.4 / 10.5	14.1 / 10.2	13.6 / 9.8	13.1 / 9.2	12.8 / 8.9
	1600	Suction Prs./Temp.	121 / 61	92 / 48	79 / 42	63 / 32	46 / 20	40 / 14
		Liquid Prs./Temp.	298 / 75	279 / 72	268 / 70	253 / 67	234 / 63	224 / 61
		ID Air DB Temp. Rise	27	22	20	16	10	8
		Total Amp./Comp Amp.	15.3 / 10.6	14.8 / 10.1	14.6 / 9.8	14.2 / 9.5	13.7 / 9	13.5 / 8.7
70	1200	Suction Prs./Temp.	127 / 56	98 / 45	84 / 39	69 / 31	54 / 20	48 / 14
		Liquid Prs./Temp.	372 / 94	347 / 89	334 / 86	315 / 82	290 / 77	277 / 75
		ID Air DB Temp. Rise	33	27	24	20	14	11
		Total Amp./Comp Amp.	15.6 / 12.7	14.9 / 12	14.6 / 11.7	14 / 11.1	13.4 / 10.5	13 / 10.1
	1400	Suction Prs./Temp.	125 / 57	97 / 46	84 / 40	68 / 31	53 / 20	47 / 14
		Liquid Prs./Temp.	358 / 90	347 / 89	334 / 86	315 / 82	290 / 77	277 / 75
		ID Air DB Temp. Rise	30	24	21	17	12	9
		Total Amp./Comp Amp.	16.1 / 12.3	15.5 / 11.7	15.2 / 11.4	14.7 / 10.9	14.1 / 10.3	13.8 / 9.9
	1600	Suction Prs./Temp.	124 / 57	96 / 46	83 / 40	67 / 32	52 / 21	46 / 15
		Liquid Prs./Temp.	343 / 87	323 / 83	312 / 80	296 / 77	276 / 73	265 / 71
		ID Air DB Temp. Rise	26	21	19	15	10	8
		Total Amp./Comp Amp.	16.6 / 11.9	16 / 11.3	15.7 / 11.1	15.3 / 10.6	14.8 / 10.1	14.5 / 9.8
80	1200	Suction Prs./Temp.	129 / 55	102 / 45	89 / 40	74 / 32	58 / 23	52 / 17
		Liquid Prs./Temp.	413 / 102	388 / 97	375 / 94	356 / 90	332 / 85	319 / 83
		ID Air DB Temp. Rise	31	26	23	19	13	10
		Total Amp./Comp Amp.	16.6 / 13.9	16 / 13.2	15.6 / 12.8	15 / 12.2	14.4 / 11.5	14 / 11.1
	1400	Suction Prs./Temp.	128 / 55	101 / 45	88 / 39	73 / 32	58 / 22	52 / 17
		Liquid Prs./Temp.	401 / 100	378 / 95	365 / 93	348 / 89	325 / 84	312 / 82
		ID Air DB Temp. Rise	28	23	21	17	12	9
		Total Amp./Comp Amp.	17.2 / 13.5	16.6 / 12.9	16.3 / 12.5	15.8 / 12	15.1 / 11.3	14.8 / 11
	1600	Suction Prs./Temp.	127 / 54	100 / 44	87 / 39	72 / 31	58 / 22	52 / 16
		Liquid Prs./Temp.	389 / 98	367 / 93	355 / 91	339 / 88	317 / 83	306 / 81
		ID Air DB Temp. Rise	25	21	18	15	10	8
		Total Amp./Comp Amp.	17.8 / 13.2	17.2 / 12.6	16.9 / 12.3	16.5 / 11.8	15.9 / 11.2	15.6 / 10.9

Extended heating service data for use with models:

**PHE4B4224**

**PHG4B420652X4**

**PHG4B421002X4**

**PHE4B42 and PHG4B42**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
3.5	1200	60	MBH	14.5	14.7	19.1	23.3	27.5	33.9	42.5	51.1
			KW	2.3	2.7	2.6	2.7	2.8	2.9	3.0	3.1
		70	MBH	14.1	14.2	18.4	22.4	26.4	32.6	40.8	48.9
			KW	2.5	3.0	2.8	2.9	3.0	3.1	3.2	3.3
		80	MBH	13.6	13.7	17.7	21.6	25.4	31.2	39.0	46.7
			KW	2.8	3.2	3.0	3.1	3.2	3.4	3.5	3.6
	1400	60	MBH	12.4	16.3	18.6	23.4	28.1	34.9	43.8	52.7
			KW	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0
		70	MBH	11.4	15.6	18.0	22.8	27.6	34.0	42.1	50.2
			KW	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
		80	MBH	10.2	14.6	17.3	22.2	27.1	33.2	40.5	47.8
			KW	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6
	1550	60	MBH	10.2	15.9	18.1	23.4	28.7	36.0	45.2	54.3
			KW	2.4	2.7	2.6	2.7	2.8	2.9	2.9	3.0
		70	MBH	9.5	15.2	17.5	22.8	28.0	35.5	43.6	51.6
			KW	2.7	3.0	2.9	3.0	3.0	3.1	3.2	3.3
		80	MBH	10.9	15.5	17.0	21.5	26.0	35.1	42.0	48.9
			KW	2.9	3.3	3.1	3.2	3.3	3.4	3.5	3.6

Standard cooling service data for use with models:

**PHE4B4824**  
**PHE4B4834**  
**PHE4B4844**  
**PHG4B481002X4**  
**PHG4B481254X4**

PHE4B48 AND PHG4B48 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	208 (41)	210 (39)	214 (40)	215 (41)
60	224 (41)	227 (40)	231 (40)	232 (40)
65	241 (42)	244 (40)	248 (40)	251 (40)
70	260 (42)	262 (40)	267 (40)	270 (40)
75	279 (43)	281 (41)	286 (41)	290 (40)
80	299 (44)	302 (42)	307 (42)	311 (41)
85	321 (45)	323 (43)	329 (42)	333 (41)
90	343 (47)	345 (45)	351 (43)	355 (42)
95	367 (48)	369 (46)	375 (45)	379 (43)
100	392 (50)	393 (48)	400 (46)	404 (45)
105	417 (52)	419 (50)	425 (48)	430 (46)
110	444 (54)	445 (53)	452 (50)	457 (48)
115	472 (56)	473 (55)	480 (52)	484 (50)
120	501 (59)	501 (58)	509 (54)	513 (52)
125	531 (61)	531 (61)	539 (57)	543 (54)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4B48 and PHG4B48

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1300	DISCHARGE PRESSURE (PSIG)	208	242	279	321	367	417	471	529
		DISCHARGE TEMPERATURE (°F)	111	122	132	144	157	171	184	200
		DISCHARGE SUPERHEAT (°F)	39	40	41	43	47	51	55	61
		SUCTION PRESSURE (PSIG)	116	120	124	127	130	133	135	137
		SUCTION TEMPERATURE (°F)	54	54	55	55	56	57	58	60
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.4	13.9	15.6	17.3	19.3	21.3
		COMPRESSOR CURRENT (A)	8.1	9.4	10.9	12.4	14.1	15.9	17.8	19.8
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	21	20	19
	1500	DISCHARGE PRESSURE (PSIG)	210	244	281	323	369	419	473	531
		DISCHARGE TEMPERATURE (°F)	112	122	133	144	158	171	185	200
		DISCHARGE SUPERHEAT (°F)	39	40	41	43	47	51	55	61
		SUCTION PRESSURE (PSIG)	119	123	127	130	133	136	138	140
		SUCTION TEMPERATURE (°F)	55	55	56	56	57	58	59	61
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.4	13.9	15.6	17.3	19.3	21.3
		COMPRESSOR CURRENT (A)	8.1	9.4	10.9	12.4	14.1	15.9	17.8	19.8
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	18
	1700	DISCHARGE PRESSURE (PSIG)	212	246	283	325	371	421	475	533
		DISCHARGE TEMPERATURE (°F)	112	123	133	145	158	172	185	200
		DISCHARGE SUPERHEAT (°F)	39	40	41	43	47	51	55	61
		SUCTION PRESSURE (PSIG)	122	126	130	133	136	139	141	143
		SUCTION TEMPERATURE (°F)	57	56	57	57	58	60	60	62
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
OUTDOOR UNIT CURRENT (A)		9.7	10.9	12.4	13.9	15.6	17.3	19.3	21.3	
COMPRESSOR CURRENT (A)		8.1	9.4	10.9	12.4	14.1	15.9	17.8	19.8	
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	19	18	17	

Continued on next page

## PHE4B48 and PHG4B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1300	DISCHARGE PRESSURE (PSIG)	206	239	277	319	365	415	470	529
		DISCHARGE TEMPERATURE (°F)	114	124	135	146	159	173	186	201
		DISCHARGE SUPERHEAT (°F)	42	43	44	46	49	53	57	62
		SUCTION PRESSURE (PSIG)	110	114	117	120	124	127	131	134
		SUCTION TEMPERATURE (°F)	51	51	51	52	54	55	56	59
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.0	12.2	13.6	15.2	17.0	18.9	21.0
		COMPRESSOR CURRENT (A)	8.4	9.5	10.7	12.2	13.8	15.5	17.5	19.6
	INDOOR COIL DB TEMP DROP (°F)	34	34	33	32	31	29	27	24	
	1500	DISCHARGE PRESSURE (PSIG)	208	241	279	321	367	417	472	531
		DISCHARGE TEMPERATURE (°F)	113	124	134	146	158	172	185	200
		DISCHARGE SUPERHEAT (°F)	41	42	43	45	48	52	56	61
		SUCTION PRESSURE (PSIG)	114	118	121	124	128	131	135	138
		SUCTION TEMPERATURE (°F)	53	53	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.0	12.2	13.6	15.2	17.0	18.9	21.0
		COMPRESSOR CURRENT (A)	8.4	9.5	10.7	12.2	13.8	15.5	17.5	19.6
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	29	27	25	22	
	1700	DISCHARGE PRESSURE (PSIG)	210	243	281	323	369	419	474	533
		DISCHARGE TEMPERATURE (°F)	113	123	134	145	158	171	185	199
		DISCHARGE SUPERHEAT (°F)	40	41	42	44	47	51	55	60
		SUCTION PRESSURE (PSIG)	118	122	125	128	132	135	139	142
		SUCTION TEMPERATURE (°F)	55	55	55	55	57	58	60	62
		SUCTION SUPERHEAT (°F)	15	13	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.0	11.0	12.2	13.6	15.2	17.0	18.9	21.0
		COMPRESSOR CURRENT (A)	8.4	9.5	10.7	12.2	13.8	15.5	17.5	19.6
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	27	25	23	20	
	80/62	1300	DISCHARGE PRESSURE (PSIG)	208	242	279	321	367	417	471
DISCHARGE TEMPERATURE (°F)			111	122	132	144	156	170	184	200
DISCHARGE SUPERHEAT (°F)			39	40	41	43	46	50	55	61
SUCTION PRESSURE (PSIG)			117	120	124	127	130	132	134	136
SUCTION TEMPERATURE (°F)			54	55	55	55	56	57	58	59
SUCTION SUPERHEAT (°F)			15	14	12	11	11	11	11	12
OUTDOOR UNIT CURRENT (A)			9.7	10.9	12.2	13.7	15.3	17.1	19.0	21.0
COMPRESSOR CURRENT (A)			8.2	9.4	10.7	12.2	13.8	15.6	17.5	19.5
INDOOR COIL DB TEMP DROP (°F)		31	30	29	28	27	26	24	23	
1500		DISCHARGE PRESSURE (PSIG)	210	244	281	323	369	419	473	531
		DISCHARGE TEMPERATURE (°F)	112	122	133	144	157	170	185	200
		DISCHARGE SUPERHEAT (°F)	39	40	41	43	46	50	55	61
		SUCTION PRESSURE (PSIG)	120	123	127	130	133	135	137	139
		SUCTION TEMPERATURE (°F)	56	56	56	56	57	58	59	61
		SUCTION SUPERHEAT (°F)	15	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.2	13.7	15.3	17.1	19.0	21.0
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	12.2	13.8	15.6	17.5	19.5
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	26	25	23	22	
1700		DISCHARGE PRESSURE (PSIG)	212	246	283	325	371	421	475	533
		DISCHARGE TEMPERATURE (°F)	112	123	133	145	157	171	185	200
		DISCHARGE SUPERHEAT (°F)	39	40	41	43	46	50	55	61
		SUCTION PRESSURE (PSIG)	123	126	130	133	136	138	140	142
		SUCTION TEMPERATURE (°F)	57	57	57	57	58	59	60	62
		SUCTION SUPERHEAT (°F)	15	14	12	11	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.7	10.9	12.2	13.7	15.3	17.1	19.0	21.0
		COMPRESSOR CURRENT (A)	8.2	9.4	10.7	12.2	13.8	15.6	17.5	19.5
INDOOR COIL DB TEMP DROP (°F)		29	28	27	26	25	24	22	21	

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## PHE4B48 and PHG4B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1300	DISCHARGE PRESSURE (PSIG)	212	246	284	327	373	423	478	537
		DISCHARGE TEMPERATURE (°F)	113	123	133	144	157	169	182	197
		DISCHARGE SUPERHEAT (°F)	40	40	41	42	45	48	52	57
		SUCTION PRESSURE (PSIG)	125	129	134	138	141	145	148	152
		SUCTION TEMPERATURE (°F)	60	60	60	60	60	62	63	65
		SUCTION SUPERHEAT (°F)	17	15	13	12	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	9.5	10.9	12.4	14.0	15.7	17.5	19.3	21.3
		COMPRESSOR CURRENT (A)	8.0	9.4	10.9	12.5	14.2	16.0	17.9	19.8
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21	19	
	1500	DISCHARGE PRESSURE (PSIG)	214	248	286	329	375	425	480	539
		DISCHARGE TEMPERATURE (°F)	114	123	134	145	157	169	183	197
		DISCHARGE SUPERHEAT (°F)	40	40	41	42	45	48	52	57
		SUCTION PRESSURE (PSIG)	128	132	137	141	144	148	151	155
		SUCTION TEMPERATURE (°F)	62	62	62	62	63	64	65	67
		SUCTION SUPERHEAT (°F)	18	16	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.9	12.4	14.0	15.7	17.5	19.3	21.3
		COMPRESSOR CURRENT (A)	8.0	9.4	10.9	12.5	14.2	16.0	17.9	19.8
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	18	
	1700	DISCHARGE PRESSURE (PSIG)	216	250	288	331	377	427	482	541
		DISCHARGE TEMPERATURE (°F)	115	124	134	145	157	170	183	197
		DISCHARGE SUPERHEAT (°F)	40	40	41	42	45	48	52	57
		SUCTION PRESSURE (PSIG)	131	135	140	144	147	151	154	158
		SUCTION TEMPERATURE (°F)	64	64	64	65	65	66	67	69
		SUCTION SUPERHEAT (°F)	19	17	15	14	13	13	13	13
OUTDOOR UNIT CURRENT (A)		9.5	10.9	12.4	14.0	15.7	17.5	19.3	21.3	
COMPRESSOR CURRENT (A)		8.0	9.4	10.9	12.5	14.2	16.0	17.9	19.8	
INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	17		
80/72	1300	DISCHARGE PRESSURE (PSIG)	214	250	289	332	378	429	483	542
		DISCHARGE TEMPERATURE (°F)	115	124	134	144	156	168	181	194
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	43	46	50	54
		SUCTION PRESSURE (PSIG)	127	133	139	144	148	152	155	158
		SUCTION TEMPERATURE (°F)	62	61	62	63	63	65	66	68
		SUCTION SUPERHEAT (°F)	18	15	13	12	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	9.6	10.9	12.3	13.8	15.5	17.3	19.3	21.4
		COMPRESSOR CURRENT (A)	8.1	9.4	10.8	12.3	14.0	15.8	17.8	19.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	19	18	17	
	1500	DISCHARGE PRESSURE (PSIG)	215	251	290	333	379	430	484	543
		DISCHARGE TEMPERATURE (°F)	115	124	134	144	156	168	181	195
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	43	46	50	54
		SUCTION PRESSURE (PSIG)	130	136	142	147	151	155	158	161
		SUCTION TEMPERATURE (°F)	64	63	64	65	65	67	68	70
		SUCTION SUPERHEAT (°F)	19	16	14	13	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	9.6	10.9	12.3	13.8	15.5	17.3	19.3	21.4
		COMPRESSOR CURRENT (A)	8.1	9.4	10.8	12.3	14.0	15.8	17.8	19.9
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17	16	
	1700	DISCHARGE PRESSURE (PSIG)	216	252	291	334	380	431	485	544
		DISCHARGE TEMPERATURE (°F)	116	124	134	145	156	168	182	195
		DISCHARGE SUPERHEAT (°F)	41	40	40	41	43	46	50	54
		SUCTION PRESSURE (PSIG)	133	139	145	150	154	158	161	164
		SUCTION TEMPERATURE (°F)	66	66	66	67	67	69	70	72
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	13	14
OUTDOOR UNIT CURRENT (A)		9.6	10.9	12.3	13.8	15.5	17.3	19.3	21.4	
COMPRESSOR CURRENT (A)		8.1	9.4	10.8	12.3	14.0	15.8	17.8	19.9	
INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	17	16	15		

Extended cooling service data for use with models:

**PHE4B4824**

**PHE4B4834**

**PHE4B4844**

**PHG4B481002X4**

**PHG4B481254X4**

**PHE4B48 and PHG4B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1400	DISCHARGE PRESSURE (PSIG)	237	284	333	383	435	488	543
		DISCHARGE TEMPERATURE (°F)	122	133	145	157	169	182	197
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	50	56
		SUCTION PRESSURE (PSIG)	140	144	148	152	155	159	163
		SUCTION TEMPERATURE (°F)	63	65	65	67	68	69	71
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	10.4	12.2	14	15.8	17.7	19.6	21.6
		COMPRESSOR CURRENT (A)	8.9	10.7	12.5	14.3	16.2	18.2	20.1
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	27	26	24	
	1600	DISCHARGE PRESSURE (PSIG)	239	286	335	385	437	490	545
		DISCHARGE TEMPERATURE (°F)	123	134	146	157	170	182	197
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	50	56
		SUCTION PRESSURE (PSIG)	144	148	152	156	159	163	167
		SUCTION TEMPERATURE (°F)	66	67	68	69	70	72	73
		SUCTION SUPERHEAT (°F)	15	15	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	10.5	12.3	14.1	15.9	17.8	19.7	21.7
		COMPRESSOR CURRENT (A)	9	10.8	12.6	14.4	16.3	18.3	20.2
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	26	25	24	22	
	1800	DISCHARGE PRESSURE (PSIG)	241	288	337	387	439	492	547
		DISCHARGE TEMPERATURE (°F)	124	134	146	157	170	183	197
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	50	56
		SUCTION PRESSURE (PSIG)	148	152	156	160	163	167	171
		SUCTION TEMPERATURE (°F)	68	70	70	72	73	74	75
		SUCTION SUPERHEAT (°F)	16	16	15	15	15	15	15
OUTDOOR UNIT CURRENT (A)		10.6	12.4	14.2	16	17.9	19.8	21.8	
COMPRESSOR CURRENT (A)		9.1	10.9	12.7	14.5	16.4	18.4	20.3	
INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	22	20		

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## PHE4B48 and PHG4B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1400	DISCHARGE PRESSURE (PSIG)	231	279	328	378	430	484	539
		DISCHARGE TEMPERATURE (°F)	121	133	145	158	170	183	197
		DISCHARGE SUPERHEAT (°F)	42	42	43	45	48	52	57
		SUCTION PRESSURE (PSIG)	128	132	136	141	146	152	158
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	66	68
		SUCTION SUPERHEAT (°F)	13	12	12	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	11	12.5	14	15.6	17.1	18.7	20.3
		COMPRESSOR CURRENT (A)	9.4	11	12.5	14.1	15.7	17.3	18.9
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	31	29	28	26	
	1600	DISCHARGE PRESSURE (PSIG)	233	281	330	380	432	486	541
		DISCHARGE TEMPERATURE (°F)	120	133	145	157	170	183	196
		DISCHARGE SUPERHEAT (°F)	41	41	42	44	47	51	56
		SUCTION PRESSURE (PSIG)	133	137	141	146	151	157	163
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	68	71
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.8	12.3	13.8	15.4	16.9	18.5	20.1
		COMPRESSOR CURRENT (A)	9.2	10.8	12.3	13.9	15.5	17.1	18.7
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	27	26	24	
	1800	DISCHARGE PRESSURE (PSIG)	235	283	332	382	434	488	543
		DISCHARGE TEMPERATURE (°F)	120	132	144	156	169	182	196
		DISCHARGE SUPERHEAT (°F)	40	40	41	43	46	50	55
		SUCTION PRESSURE (PSIG)	138	142	146	151	156	162	168
		SUCTION TEMPERATURE (°F)	63	64	65	66	68	71	73
		SUCTION SUPERHEAT (°F)	15	14	14	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	10.6	12.1	13.6	15.2	16.7	18.3	19.9
		COMPRESSOR CURRENT (A)	9	10.6	12.1	13.7	15.3	16.9	18.5
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	27	25	24	22	
	90/62	1400	DISCHARGE PRESSURE (PSIG)	228	276	325	376	429	483
DISCHARGE TEMPERATURE (°F)			121	133	145	157	170	183	198
DISCHARGE SUPERHEAT (°F)			43	42	43	45	48	52	58
SUCTION PRESSURE (PSIG)			122	126	131	136	141	146	151
SUCTION TEMPERATURE (°F)			55	55	57	59	61	64	66
SUCTION SUPERHEAT (°F)			13	12	12	12	12	13	13
OUTDOOR UNIT CURRENT (A)			10.4	12.1	13.8	15.5	17.4	19.3	21.2
COMPRESSOR CURRENT (A)			8.9	10.6	12.3	14.1	15.9	17.8	19.8
INDOOR COIL DB TEMP DROP (°F)		38	36	34	32	31	29	27	
1600		DISCHARGE PRESSURE (PSIG)	231	279	328	379	432	486	541
		DISCHARGE TEMPERATURE (°F)	121	132	144	157	170	183	197
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	57
		SUCTION PRESSURE (PSIG)	129	133	138	143	148	153	158
		SUCTION TEMPERATURE (°F)	58	58	60	62	64	67	69
		SUCTION SUPERHEAT (°F)	13	12	12	12	12	13	13
		OUTDOOR UNIT CURRENT (A)	10.4	12.1	13.8	15.5	17.4	19.3	21.2
		COMPRESSOR CURRENT (A)	8.9	10.6	12.3	14.1	15.9	17.8	19.8
INDOOR COIL DB TEMP DROP (°F)		36	34	32	30	29	27	25	
1800		DISCHARGE PRESSURE (PSIG)	234	282	331	382	435	489	544
		DISCHARGE TEMPERATURE (°F)	121	132	144	156	169	182	197
		DISCHARGE SUPERHEAT (°F)	41	40	41	43	46	50	56
		SUCTION PRESSURE (PSIG)	136	140	145	150	155	160	165
		SUCTION TEMPERATURE (°F)	61	62	64	66	68	71	72
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	10.4	12.1	13.8	15.5	17.4	19.3	21.2
		COMPRESSOR CURRENT (A)	8.9	10.6	12.3	14.1	15.9	17.8	19.8
INDOOR COIL DB TEMP DROP (°F)		34	32	30	28	27	25	23	

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## PHE4B48 and PHG4B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1400	DISCHARGE PRESSURE (PSIG)	233	281	330	380	432	485	540
		DISCHARGE TEMPERATURE (°F)	121	133	145	157	170	183	196
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	56
		SUCTION PRESSURE (PSIG)	131	135	139	143	148	152	156
		SUCTION TEMPERATURE (°F)	59	60	62	62	64	66	67
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.4	12.1	13.8	15.6	17.4	19.3	21.3
		COMPRESSOR CURRENT (A)	8.9	10.6	12.3	14.1	16	17.9	19.9
	INDOOR COIL DB TEMP DROP (°F)	17	15	14	12	11	9	8	
	1600	DISCHARGE PRESSURE (PSIG)	235	283	332	382	434	487	542
		DISCHARGE TEMPERATURE (°F)	122	133	145	157	170	183	196
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	56
		SUCTION PRESSURE (PSIG)	134	138	142	146	151	155	159
		SUCTION TEMPERATURE (°F)	61	61	63	63	65	67	68
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	10.4	12.1	13.8	15.6	17.4	19.3	21.3
		COMPRESSOR CURRENT (A)	8.9	10.6	12.3	14.1	16	17.9	19.9
	INDOOR COIL DB TEMP DROP (°F)	16	14	13	11	10	8	7	
	1800	DISCHARGE PRESSURE (PSIG)	237	285	334	384	436	489	544
		DISCHARGE TEMPERATURE (°F)	122	134	146	158	170	183	197
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	56
		SUCTION PRESSURE (PSIG)	137	141	145	149	154	158	162
		SUCTION TEMPERATURE (°F)	62	62	64	65	66	68	69
		SUCTION SUPERHEAT (°F)	14	13	13	12	12	12	12
OUTDOOR UNIT CURRENT (A)		10.4	12.1	13.8	15.6	17.4	19.3	21.3	
COMPRESSOR CURRENT (A)		8.9	10.6	12.3	14.1	16	17.9	19.9	
INDOOR COIL DB TEMP DROP (°F)	15	13	12	10	9	7	6		
70/62	1400	DISCHARGE PRESSURE (PSIG)	226	273	321	370	421	473	526
		DISCHARGE TEMPERATURE (°F)	119	132	145	158	172	187	202
		DISCHARGE SUPERHEAT (°F)	42	42	44	47	51	57	64
		SUCTION PRESSURE (PSIG)	117	120	122	125	127	129	131
		SUCTION TEMPERATURE (°F)	52	53	54	55	55	56	57
		SUCTION SUPERHEAT (°F)	13	12	12	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.5	12.1	13.8	15.5	17.2	19.1	20.9
		COMPRESSOR CURRENT (A)	9	10.6	12.3	14	15.8	17.6	19.5
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	18	
	1600	DISCHARGE PRESSURE (PSIG)	228	275	323	372	423	475	528
		DISCHARGE TEMPERATURE (°F)	119	131	144	157	171	186	201
		DISCHARGE SUPERHEAT (°F)	41	41	43	46	50	56	63
		SUCTION PRESSURE (PSIG)	121	124	126	129	131	133	135
		SUCTION TEMPERATURE (°F)	54	55	55	57	56	57	59
		SUCTION SUPERHEAT (°F)	13	12	12	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	10.5	12.1	13.8	15.5	17.2	19.1	20.9
		COMPRESSOR CURRENT (A)	9	10.6	12.3	14	15.8	17.6	19.5
	INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	16	
	1800	DISCHARGE PRESSURE (PSIG)	230	277	325	374	425	477	530
		DISCHARGE TEMPERATURE (°F)	119	131	144	157	170	185	201
		DISCHARGE SUPERHEAT (°F)	40	40	42	45	49	55	62
		SUCTION PRESSURE (PSIG)	125	128	130	133	135	137	139
		SUCTION TEMPERATURE (°F)	56	56	57	58	58	59	61
		SUCTION SUPERHEAT (°F)	13	12	12	12	11	11	12
OUTDOOR UNIT CURRENT (A)		10.5	12.1	13.8	15.5	17.2	19.1	20.9	
COMPRESSOR CURRENT (A)		9	10.6	12.3	14	15.8	17.6	19.5	
INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14		

Standard heating service data for use with models:

**PHE4B4824**  
**PHE4B4834**  
**PHE4B4844**  
**PHG4B481002X4**  
**PHG4B481254X4**

PHE4B48 AND PHG4B48 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB (°F)				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	350 (46)	376 (48)	403 (50)	429 (53)	455 (56)
47	328 (53)	353 (56)	378 (59)	403 (63)	428 (66)
40	317 (57)	341 (61)	365 (64)	390 (68)	414 (72)
30	300 (63)	323 (67)	347 (71)	370 (76)	393 (81)
17	278 (71)	300 (76)	322 (81)	345 (86)	367 (92)

**Note:** The charging chart is for use only in heating mode.

#### PHE4B48 and PHG4B48

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1300	Suction Prs./Temp.	127 / 56	102 / 43	90 / 37	74 / 27	57 / 14	50 / 8
		Liquid Prs./Temp.	361 / 86	338 / 82	326 / 80	308 / 77	286 / 74	274 / 71
		ID Air DB Temp. Rise	37	31	27	22	16	13
		Total Amp./Comp Amp.	17.4 / 13.9	16.8 / 13.2	16.4 / 12.8	15.9 / 12.3	15.2 / 11.6	14.9 / 11.2
	1500	Suction Prs./Temp.	126 / 56	102 / 44	90 / 37	75 / 28	58 / 16	50 / 9
		Liquid Prs./Temp.	339 / 83	320 / 79	309 / 78	294 / 75	275 / 72	264 / 70
		ID Air DB Temp. Rise	34	28	25	21	16	13
		Total Amp./Comp Amp.	17.9 / 13.2	17.4 / 12.6	17.1 / 12.3	16.6 / 11.8	16.1 / 11.2	15.8 / 10.9
	1700	Suction Prs./Temp.	125 / 55	101 / 44	90 / 38	75 / 29	59 / 17	51 / 11
		Liquid Prs./Temp.	318 / 79	302 / 76	293 / 75	280 / 73	264 / 70	255 / 69
		ID Air DB Temp. Rise	31	26	24	20	15	12
		Total Amp./Comp Amp.	18.4 / 12.5	18 / 12	17.7 / 11.8	17.4 / 11.4	16.9 / 10.9	16.7 / 10.6
70	1300	Suction Prs./Temp.	128 / 57	104 / 45	92 / 38	76 / 28	59 / 15	51 / 8
		Liquid Prs./Temp.	414 / 95	389 / 91	375 / 89	356 / 86	330 / 83	317 / 81
		ID Air DB Temp. Rise	37	31	27	22	16	13
		Total Amp./Comp Amp.	19.3 / 15.8	18.5 / 14.9	18.1 / 14.5	17.5 / 13.8	16.7 / 13	16.2 / 12.5
	1500	Suction Prs./Temp.	128 / 57	103 / 44	91 / 38	76 / 28	59 / 15	51 / 9
		Liquid Prs./Temp.	394 / 92	389 / 91	375 / 89	356 / 86	330 / 83	317 / 81
		ID Air DB Temp. Rise	33	28	25	21	15	12
		Total Amp./Comp Amp.	19.7 / 15	19.1 / 14.3	18.7 / 13.9	18.2 / 13.4	17.5 / 12.6	17.1 / 12.3
	1700	Suction Prs./Temp.	127 / 56	103 / 44	91 / 38	76 / 28	59 / 16	51 / 9
		Liquid Prs./Temp.	375 / 89	355 / 86	345 / 84	330 / 82	310 / 79	300 / 77
		ID Air DB Temp. Rise	30	25	23	19	14	12
		Total Amp./Comp Amp.	20.2 / 14.2	19.6 / 13.6	19.3 / 13.3	18.9 / 12.9	18.4 / 12.3	18.1 / 12
80	1300	Suction Prs./Temp.	130 / 59	105 / 46	94 / 39	78 / 28	60 / 15	52 / 8
		Liquid Prs./Temp.	467 / 103	439 / 100	424 / 98	403 / 95	375 / 92	360 / 90
		ID Air DB Temp. Rise	37	31	27	22	16	13
		Total Amp./Comp Amp.	21.1 / 17.6	20.2 / 16.6	19.7 / 16.1	19 / 15.4	18.1 / 14.4	17.6 / 13.9
	1500	Suction Prs./Temp.	129 / 58	105 / 45	93 / 38	77 / 28	60 / 15	52 / 8
		Liquid Prs./Temp.	449 / 101	424 / 97	410 / 96	391 / 93	366 / 90	352 / 88
		ID Air DB Temp. Rise	33	27	24	20	15	12
		Total Amp./Comp Amp.	21.5 / 16.8	20.7 / 16	20.3 / 15.5	19.7 / 14.9	18.9 / 14.1	18.5 / 13.6
	1700	Suction Prs./Temp.	129 / 58	104 / 45	92 / 38	76 / 28	59 / 15	51 / 8
		Liquid Prs./Temp.	431 / 98	409 / 95	397 / 93	379 / 91	357 / 87	344 / 86
		ID Air DB Temp. Rise	28	24	21	18	13	11
		Total Amp./Comp Amp.	21.9 / 16	21.2 / 15.3	20.9 / 14.9	20.4 / 14.4	19.8 / 13.7	19.4 / 13.3

Extended heating service data for use with models:

**PHE4B4824**

**PHE4B4834**

**PHE4B4844**

**PHG4B481002X4**

**PHG4B481254X4**

**PHE4B48 and PHG4B48**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
4	1300	60	MBH	14.8	18.4	23.1	29.4	35.7	43.1	51.5	59.8
			KW	2.7	2.7	3.1	3.2	3.3	3.4	3.6	3.7
		70	MBH	12.5	16.6	21.4	27.7	33.9	41.0	49.1	57.2
			KW	2.9	3.0	3.4	3.5	3.7	3.8	4.0	4.1
		80	MBH	10.5	15.0	19.8	26.0	32.1	39.0	46.8	54.6
			KW	3.2	3.2	3.7	3.9	4.1	4.2	4.4	4.6
	1500	60	MBH	15.3	19.0	23.7	30.1	36.5	43.8	52.0	60.1
			KW	2.6	2.6	3.0	3.1	3.2	3.3	3.4	3.5
		70	MBH	12.9	17.0	21.8	28.1	34.4	41.6	49.7	57.8
			KW	2.9	2.9	3.3	3.5	3.6	3.7	3.8	3.9
		80	MBH	10.3	14.8	19.8	26.1	32.3	39.4	47.5	55.5
			KW	3.2	3.2	3.7	3.8	3.9	4.1	4.2	4.4
	1700	60	MBH	16.2	19.7	24.4	30.9	37.3	44.5	52.5	60.4
			KW	2.6	2.6	2.9	3.0	3.1	3.2	3.3	3.3
		70	MBH	13.1	17.2	22.1	28.5	34.9	42.1	50.3	58.4
			KW	2.9	2.9	3.3	3.4	3.5	3.6	3.7	3.8
		80	MBH	10.3	14.9	19.9	26.2	32.5	39.8	48.2	56.5
			KW	3.2	3.2	3.6	3.7	3.8	3.9	4.1	4.2

Standard cooling service data for use with models:

**PHE4B6024**  
**PHE4B6034**  
**PHE4B6044**  
**PHG4B601252X4**

PHE4B60 AND PHG4B60 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	220 (40)	221 (41)	224 (45)	223 (48)
60	236 (41)	237 (40)	240 (44)	242 (47)
65	253 (41)	253 (40)	258 (42)	261 (45)
70	271 (41)	271 (40)	277 (41)	281 (44)
75	289 (42)	290 (41)	296 (41)	302 (43)
80	309 (43)	309 (41)	317 (40)	323 (43)
85	330 (43)	330 (42)	338 (40)	345 (42)
90	353 (44)	352 (43)	360 (41)	368 (42)
95	376 (45)	375 (44)	383 (41)	392 (42)
100	400 (46)	400 (45)	407 (42)	416 (42)
105	425 (47)	425 (46)	432 (43)	441 (43)
110	452 (48)	451 (48)	458 (44)	467 (43)
115	479 (49)	479 (49)	485 (46)	493 (44)
120	507 (51)	507 (51)	512 (48)	520 (45)
125	537 (52)	537 (53)	541 (50)	548 (47)

**Note:** The charging chart is for use only in cooling mode.

#### PHE4B60 and PHG4B60

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1600	DISCHARGE PRESSURE (PSIG)	218	251	288	329	373	422	475	531
		DISCHARGE TEMPERATURE (°F)	115	123	132	143	155	167	180	194
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	43	46	50	55
		SUCTION PRESSURE (PSIG)	120	123	125	128	130	133	136	139
		SUCTION TEMPERATURE (°F)	55	55	54	55	55	57	58	61
		SUCTION SUPERHEAT (°F)	14	13	11	11	10	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.9	13.3	14.9	16.6	18.5	20.5	22.7	25.0
		COMPRESSOR CURRENT (A)	10.4	11.8	13.4	15.2	17.1	19.1	21.3	23.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	21	20
	1800	DISCHARGE PRESSURE (PSIG)	220	253	290	331	375	424	477	533
		DISCHARGE TEMPERATURE (°F)	116	124	133	143	155	167	180	194
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	43	46	50	55
		SUCTION PRESSURE (PSIG)	123	126	128	131	133	136	139	142
		SUCTION TEMPERATURE (°F)	57	57	56	57	57	59	61	63
		SUCTION SUPERHEAT (°F)	15	14	12	12	11	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.3	14.9	16.6	18.5	20.5	22.7	25.0
		COMPRESSOR CURRENT (A)	10.4	11.8	13.4	15.2	17.1	19.1	21.3	23.6
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19
	2000	DISCHARGE PRESSURE (PSIG)	222	255	292	333	377	426	479	535
		DISCHARGE TEMPERATURE (°F)	116	124	133	143	155	168	181	194
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	43	46	50	55
		SUCTION PRESSURE (PSIG)	126	129	131	134	136	139	142	145
		SUCTION TEMPERATURE (°F)	59	60	58	60	59	62	63	65
		SUCTION SUPERHEAT (°F)	16	15	13	13	12	13	13	14
OUTDOOR UNIT CURRENT (A)		11.9	13.3	14.9	16.6	18.5	20.5	22.7	25.0	
COMPRESSOR CURRENT (A)		10.4	11.8	13.4	15.2	17.1	19.1	21.3	23.6	
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	20	19	18	

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## PHE4B60 and PHG4B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1600	DISCHARGE PRESSURE (PSIG)	217	250	286	327	373	422	476	534
		DISCHARGE TEMPERATURE (°F)	116	126	136	146	158	169	180	192
		DISCHARGE SUPERHEAT (°F)	41	42	43	44	46	48	50	53
		SUCTION PRESSURE (PSIG)	114	117	120	123	127	132	136	141
		SUCTION TEMPERATURE (°F)	52	52	54	55	57	59	60	63
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.1	13.4	14.9	16.5	18.4	20.4	22.6	25.0
		COMPRESSOR CURRENT (A)	10.6	11.9	13.4	15.1	17.0	19.0	21.2	23.6
	INDOOR COIL DB TEMP DROP (°F)	36	34	33	31	30	28	26	24	
	1800	DISCHARGE PRESSURE (PSIG)	220	253	289	330	376	425	479	537
		DISCHARGE TEMPERATURE (°F)	116	126	136	146	157	168	180	192
		DISCHARGE SUPERHEAT (°F)	40	41	42	43	45	47	49	52
		SUCTION PRESSURE (PSIG)	120	123	126	129	133	138	142	147
		SUCTION TEMPERATURE (°F)	55	55	56	58	59	61	63	66
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.2	13.5	15.0	16.6	18.5	20.5	22.7	25.1
		COMPRESSOR CURRENT (A)	10.7	12.0	13.5	15.2	17.1	19.1	21.3	23.7
	INDOOR COIL DB TEMP DROP (°F)	34	32	31	29	28	26	24	22	
	2000	DISCHARGE PRESSURE (PSIG)	223	256	292	333	379	428	482	540
		DISCHARGE TEMPERATURE (°F)	116	125	135	145	157	168	179	191
		DISCHARGE SUPERHEAT (°F)	39	40	41	42	44	46	48	51
		SUCTION PRESSURE (PSIG)	126	129	132	135	139	144	148	153
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	65	68
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.3	13.6	15.1	16.7	18.6	20.6	22.8	25.2
		COMPRESSOR CURRENT (A)	10.8	12.1	13.6	15.3	17.2	19.2	21.4	23.8
	INDOOR COIL DB TEMP DROP (°F)	32	30	29	27	26	24	22	20	
	80/62	1600	DISCHARGE PRESSURE (PSIG)	219	251	288	328	373	423	477
DISCHARGE TEMPERATURE (°F)			117	125	135	145	157	168	180	193
DISCHARGE SUPERHEAT (°F)			42	41	42	43	45	47	50	54
SUCTION PRESSURE (PSIG)			120	121	124	127	130	134	138	142
SUCTION TEMPERATURE (°F)			57	55	56	56	57	59	61	64
SUCTION SUPERHEAT (°F)			16	14	13	12	12	12	13	14
OUTDOOR UNIT CURRENT (A)			12.0	13.4	14.9	16.6	18.5	20.5	22.7	25.1
COMPRESSOR CURRENT (A)			10.6	11.9	13.4	15.1	17.0	19.1	21.3	23.7
INDOOR COIL DB TEMP DROP (°F)		33	33	32	30	29	28	26	24	
1800		DISCHARGE PRESSURE (PSIG)	221	253	290	330	375	425	479	537
		DISCHARGE TEMPERATURE (°F)	117	125	135	145	156	167	180	193
		DISCHARGE SUPERHEAT (°F)	41	40	41	42	44	46	49	53
		SUCTION PRESSURE (PSIG)	124	125	128	131	134	138	142	146
		SUCTION TEMPERATURE (°F)	59	57	57	57	59	60	63	65
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	14.9	16.6	18.5	20.5	22.7	25.1
		COMPRESSOR CURRENT (A)	10.6	11.9	13.4	15.1	17.0	19.1	21.3	23.7
INDOOR COIL DB TEMP DROP (°F)		31	31	30	28	27	26	24	22	
2000		DISCHARGE PRESSURE (PSIG)	223	255	292	332	377	427	481	539
		DISCHARGE TEMPERATURE (°F)	117	124	134	144	155	167	179	192
		DISCHARGE SUPERHEAT (°F)	40	39	40	41	43	45	48	52
		SUCTION PRESSURE (PSIG)	128	129	132	135	138	142	146	150
		SUCTION TEMPERATURE (°F)	60	59	59	59	60	62	64	67
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	12.0	13.4	14.9	16.6	18.5	20.5	22.7	25.1
		COMPRESSOR CURRENT (A)	10.6	11.9	13.4	15.1	17.0	19.1	21.3	23.7
INDOOR COIL DB TEMP DROP (°F)		29	29	28	26	25	24	22	20	

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## PHE4B60 and PHG4B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1600	DISCHARGE PRESSURE (PSIG)	223	257	295	337	382	431	484	540
		DISCHARGE TEMPERATURE (°F)	122	128	136	144	154	165	177	190
		DISCHARGE SUPERHEAT (°F)	45	42	41	40	41	43	46	50
		SUCTION PRESSURE (PSIG)	128	133	137	141	144	147	150	152
		SUCTION TEMPERATURE (°F)	66	63	62	61	61	62	64	67
		SUCTION SUPERHEAT (°F)	22	17	14	12	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.4	15.0	16.8	18.7	20.7	22.9	25.2
		COMPRESSOR CURRENT (A)	10.4	11.9	13.6	15.3	17.2	19.3	21.5	23.8
	INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	22	21	20	
	1800	DISCHARGE PRESSURE (PSIG)	224	258	296	338	383	432	485	541
		DISCHARGE TEMPERATURE (°F)	122	128	136	145	155	166	178	190
		DISCHARGE SUPERHEAT (°F)	45	42	41	40	41	43	46	50
		SUCTION PRESSURE (PSIG)	130	135	139	143	146	149	152	154
		SUCTION TEMPERATURE (°F)	67	64	63	62	61	63	65	67
		SUCTION SUPERHEAT (°F)	22	17	14	12	10	10	11	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.4	15.0	16.8	18.7	20.7	22.9	25.2
		COMPRESSOR CURRENT (A)	10.4	11.9	13.6	15.3	17.2	19.3	21.5	23.8
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	19	
	2000	DISCHARGE PRESSURE (PSIG)	225	259	297	339	384	433	486	542
		DISCHARGE TEMPERATURE (°F)	122	128	136	145	155	166	178	190
		DISCHARGE SUPERHEAT (°F)	45	42	41	40	41	43	46	50
		SUCTION PRESSURE (PSIG)	132	137	141	145	148	151	154	156
		SUCTION TEMPERATURE (°F)	68	65	63	63	62	63	65	68
		SUCTION SUPERHEAT (°F)	22	17	14	12	10	10	11	13
OUTDOOR UNIT CURRENT (A)		11.9	13.4	15.0	16.8	18.7	20.7	22.9	25.2	
COMPRESSOR CURRENT (A)		10.4	11.9	13.6	15.3	17.2	19.3	21.5	23.8	
INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	18		
80/72	1600	DISCHARGE PRESSURE (PSIG)	222	260	301	344	391	440	492	547
		DISCHARGE TEMPERATURE (°F)	124	132	139	148	157	167	177	188
		DISCHARGE SUPERHEAT (°F)	48	45	43	42	42	43	44	47
		SUCTION PRESSURE (PSIG)	129	138	146	153	158	162	164	165
		SUCTION TEMPERATURE (°F)	69	68	67	68	68	68	69	70
		SUCTION SUPERHEAT (°F)	24	20	16	14	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.9	13.4	15.1	16.8	18.8	20.8	23.0	25.4
		COMPRESSOR CURRENT (A)	10.4	12.0	13.6	15.4	17.3	19.4	21.6	24.0
	INDOOR COIL DB TEMP DROP (°F)	21	21	20	19	18	17	16	15	
	1800	DISCHARGE PRESSURE (PSIG)	223	261	302	345	392	441	493	548
		DISCHARGE TEMPERATURE (°F)	125	132	140	148	157	167	177	188
		DISCHARGE SUPERHEAT (°F)	48	45	43	42	42	43	44	47
		SUCTION PRESSURE (PSIG)	131	140	148	155	160	164	166	167
		SUCTION TEMPERATURE (°F)	70	70	69	70	70	70	71	72
		SUCTION SUPERHEAT (°F)	25	21	17	15	13	12	12	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.4	15.1	16.8	18.8	20.8	23.0	25.4
		COMPRESSOR CURRENT (A)	10.4	12.0	13.6	15.4	17.3	19.4	21.6	24.0
	INDOOR COIL DB TEMP DROP (°F)	20	20	19	18	17	16	15	14	
	2000	DISCHARGE PRESSURE (PSIG)	224	262	303	346	393	442	494	549
		DISCHARGE TEMPERATURE (°F)	125	132	140	148	158	167	177	189
		DISCHARGE SUPERHEAT (°F)	48	45	43	42	42	43	44	47
		SUCTION PRESSURE (PSIG)	133	142	150	157	162	166	168	169
		SUCTION TEMPERATURE (°F)	72	72	71	71	71	72	72	74
		SUCTION SUPERHEAT (°F)	26	22	18	16	14	13	13	14
OUTDOOR UNIT CURRENT (A)		11.9	13.4	15.1	16.8	18.8	20.8	23.0	25.4	
COMPRESSOR CURRENT (A)		10.4	12.0	13.6	15.4	17.3	19.4	21.6	24.0	
INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	16	15	14	13		

Extended cooling service data for use with models:

**PHE4B6024**

**PHE4B6034**

**PHE4B6044**

**PHG4B601252X4**

**PHE4B60 and PHG4B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1600	DISCHARGE PRESSURE (PSIG)	249	296	344	393	443	494	547
		DISCHARGE TEMPERATURE (°F)	130	138	148	157	167	177	188
		DISCHARGE SUPERHEAT (°F)	46	43	42	41	42	44	47
		SUCTION PRESSURE (PSIG)	145	148	151	154	157	160	164
		SUCTION TEMPERATURE (°F)	67	66	65	65	66	68	69
		SUCTION SUPERHEAT (°F)	16	14	12	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.8	14.8	16.8	18.9	21	23.2	25.4
		COMPRESSOR CURRENT (A)	11.4	13.4	15.4	17.5	19.6	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	28	27	25
	1800	DISCHARGE PRESSURE (PSIG)	250	297	345	394	444	495	548
		DISCHARGE TEMPERATURE (°F)	131	139	149	158	168	178	189
		DISCHARGE SUPERHEAT (°F)	47	44	43	42	43	45	48
		SUCTION PRESSURE (PSIG)	148	151	154	157	160	163	167
		SUCTION TEMPERATURE (°F)	70	69	68	68	70	71	72
		SUCTION SUPERHEAT (°F)	18	16	14	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	12.8	14.8	16.8	18.9	21	23.2	25.4
		COMPRESSOR CURRENT (A)	11.4	13.4	15.4	17.5	19.6	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	27	26	24
	2000	DISCHARGE PRESSURE (PSIG)	251	298	346	395	445	496	549
		DISCHARGE TEMPERATURE (°F)	132	141	150	159	169	179	191
		DISCHARGE SUPERHEAT (°F)	48	45	44	43	44	46	49
		SUCTION PRESSURE (PSIG)	151	154	157	160	163	166	170
		SUCTION TEMPERATURE (°F)	73	72	71	72	73	74	75
		SUCTION SUPERHEAT (°F)	20	18	16	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	12.8	14.8	16.8	18.9	21	23.2	25.4
		COMPRESSOR CURRENT (A)	11.4	13.4	15.4	17.5	19.6	21.8	24.1
		INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	25	23

Continued on next page

## PHE4B60 and PHG4B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1600	DISCHARGE PRESSURE (PSIG)	245	289	336	384	435	488	543
		DISCHARGE TEMPERATURE (°F)	128	137	146	156	166	177	189
		DISCHARGE SUPERHEAT (°F)	45	43	42	42	43	45	48
		SUCTION PRESSURE (PSIG)	138	137	138	141	145	151	159
		SUCTION TEMPERATURE (°F)	63	61	59	59	61	63	68
		SUCTION SUPERHEAT (°F)	15	13	11	10	10	10	12
		OUTDOOR UNIT CURRENT (A)	12.7	14.6	16.6	18.6	20.8	23	25.3
		COMPRESSOR CURRENT (A)	11.3	13.2	15.2	17.2	19.4	21.6	23.9
	INDOOR COIL DB TEMP DROP (°F)	35	36	37	36	34	31	28	
	1800	DISCHARGE PRESSURE (PSIG)	248	292	339	387	438	491	546
		DISCHARGE TEMPERATURE (°F)	129	138	148	157	168	179	190
		DISCHARGE SUPERHEAT (°F)	46	44	43	43	44	46	49
		SUCTION PRESSURE (PSIG)	142	141	142	145	149	155	163
		SUCTION TEMPERATURE (°F)	67	64	63	63	65	67	72
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	12	14
		OUTDOOR UNIT CURRENT (A)	12.8	14.7	16.7	18.7	20.9	23.1	25.4
		COMPRESSOR CURRENT (A)	11.4	13.3	15.3	17.3	19.5	21.7	24
	INDOOR COIL DB TEMP DROP (°F)	33	34	35	34	32	29	26	
	2000	DISCHARGE PRESSURE (PSIG)	251	295	342	390	441	494	549
		DISCHARGE TEMPERATURE (°F)	131	140	149	159	169	180	192
		DISCHARGE SUPERHEAT (°F)	47	45	44	44	45	47	50
		SUCTION PRESSURE (PSIG)	146	145	146	149	153	159	167
		SUCTION TEMPERATURE (°F)	70	68	66	67	68	70	75
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	16
		OUTDOOR UNIT CURRENT (A)	12.9	14.8	16.8	18.8	21	23.2	25.5
		COMPRESSOR CURRENT (A)	11.5	13.4	15.4	17.4	19.6	21.8	24.1
	INDOOR COIL DB TEMP DROP (°F)	31	32	33	32	30	27	24	
	90/62	1600	DISCHARGE PRESSURE (PSIG)	239	286	335	384	435	488
DISCHARGE TEMPERATURE (°F)			125	136	147	157	168	179	190
DISCHARGE SUPERHEAT (°F)			44	43	43	43	45	47	50
SUCTION PRESSURE (PSIG)			127	132	137	141	146	152	157
SUCTION TEMPERATURE (°F)			58	59	61	62	64	67	69
SUCTION SUPERHEAT (°F)			14	13	13	13	13	13	14
OUTDOOR UNIT CURRENT (A)			12.6	14.6	16.6	18.7	20.9	23.1	25.4
COMPRESSOR CURRENT (A)			11.2	13.2	15.2	17.3	19.5	21.7	24
INDOOR COIL DB TEMP DROP (°F)		40	38	36	34	32	30	28	
1800		DISCHARGE PRESSURE (PSIG)	243	290	339	388	439	492	546
		DISCHARGE TEMPERATURE (°F)	125	136	147	157	168	179	190
		DISCHARGE SUPERHEAT (°F)	43	42	42	42	44	46	49
		SUCTION PRESSURE (PSIG)	134	139	144	148	153	159	164
		SUCTION TEMPERATURE (°F)	61	62	64	65	67	69	72
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	12.6	14.6	16.6	18.7	20.9	23.1	25.4
		COMPRESSOR CURRENT (A)	11.2	13.2	15.2	17.3	19.5	21.7	24
INDOOR COIL DB TEMP DROP (°F)		37	35	33	31	29	27	25	
2000		DISCHARGE PRESSURE (PSIG)	247	294	343	392	443	496	550
		DISCHARGE TEMPERATURE (°F)	125	136	147	156	168	178	190
		DISCHARGE SUPERHEAT (°F)	42	41	41	41	43	45	48
		SUCTION PRESSURE (PSIG)	141	146	151	155	160	166	171
		SUCTION TEMPERATURE (°F)	64	65	67	69	71	73	75
		SUCTION SUPERHEAT (°F)	15	14	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	12.6	14.6	16.6	18.7	20.9	23.1	25.4
		COMPRESSOR CURRENT (A)	11.2	13.2	15.2	17.3	19.5	21.7	24
INDOOR COIL DB TEMP DROP (°F)		34	32	30	28	26	24	22	

Continued on next page

## PHE4B60 and PHG4B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1600	DISCHARGE PRESSURE (PSIG)	245	291	338	387	436	487	539
		DISCHARGE TEMPERATURE (°F)	123	133	145	155	165	177	188
		DISCHARGE SUPERHEAT (°F)	40	39	40	41	42	45	48
		SUCTION PRESSURE (PSIG)	135	138	141	144	147	150	153
		SUCTION TEMPERATURE (°F)	59	60	60	62	63	64	65
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.9	14.8	16.8	18.8	20.8	23	25.2
		COMPRESSOR CURRENT (A)	11.5	13.4	15.3	17.4	19.4	21.6	23.8
		INDOOR COIL DB TEMP DROP (°F)	17	15	14	13	12	11	10
	1800	DISCHARGE PRESSURE (PSIG)	246	292	339	388	437	488	540
		DISCHARGE TEMPERATURE (°F)	123	133	145	156	166	177	188
		DISCHARGE SUPERHEAT (°F)	40	39	40	41	42	45	48
		SUCTION PRESSURE (PSIG)	137	140	143	146	149	152	155
		SUCTION TEMPERATURE (°F)	60	61	61	62	64	65	66
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	11	11
		OUTDOOR UNIT CURRENT (A)	12.9	14.8	16.8	18.8	20.8	23	25.2
		COMPRESSOR CURRENT (A)	11.5	13.4	15.3	17.4	19.4	21.6	23.8
		INDOOR COIL DB TEMP DROP (°F)	16	14	13	12	11	10	9
	2000	DISCHARGE PRESSURE (PSIG)	247	293	340	389	438	489	541
		DISCHARGE TEMPERATURE (°F)	123	134	145	156	166	177	188
		DISCHARGE SUPERHEAT (°F)	40	39	40	41	42	45	48
		SUCTION PRESSURE (PSIG)	139	142	145	148	151	154	157
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	65	66
		SUCTION SUPERHEAT (°F)	12	12	11	11	11	11	11
OUTDOOR UNIT CURRENT (A)		12.9	14.8	16.8	18.8	20.8	23	25.2	
COMPRESSOR CURRENT (A)		11.5	13.4	15.3	17.4	19.4	21.6	23.8	
INDOOR COIL DB TEMP DROP (°F)		15	13	12	11	10	9	8	
70/62	1600	DISCHARGE PRESSURE (PSIG)	237	282	329	377	426	477	529
		DISCHARGE TEMPERATURE (°F)	122	133	145	155	168	179	191
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	49	52
		SUCTION PRESSURE (PSIG)	122	124	127	130	133	136	139
		SUCTION TEMPERATURE (°F)	52	53	54	55	56	58	60
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	11	11
		OUTDOOR UNIT CURRENT (A)	12.8	14.6	16.5	18.5	20.6	22.7	24.9
		COMPRESSOR CURRENT (A)	11.4	13.2	15.1	17.1	19.2	21.3	23.5
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	18	17	15
	1800	DISCHARGE PRESSURE (PSIG)	239	284	331	379	428	479	531
		DISCHARGE TEMPERATURE (°F)	123	133	145	156	168	180	191
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	49	52
		SUCTION PRESSURE (PSIG)	125	127	130	133	136	139	142
		SUCTION TEMPERATURE (°F)	54	55	56	57	58	61	62
		SUCTION SUPERHEAT (°F)	11	11	11	11	11	12	12
		OUTDOOR UNIT CURRENT (A)	12.8	14.6	16.5	18.5	20.6	22.7	24.9
		COMPRESSOR CURRENT (A)	11.4	13.2	15.1	17.1	19.2	21.3	23.5
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	18	17	16	14
	2000	DISCHARGE PRESSURE (PSIG)	241	286	333	381	430	481	533
		DISCHARGE TEMPERATURE (°F)	124	134	145	156	168	180	191
		DISCHARGE SUPERHEAT (°F)	42	41	42	43	46	49	52
		SUCTION PRESSURE (PSIG)	128	130	133	136	139	142	145
		SUCTION TEMPERATURE (°F)	56	57	58	59	61	63	64
		SUCTION SUPERHEAT (°F)	12	12	12	12	12	13	13
OUTDOOR UNIT CURRENT (A)		12.8	14.6	16.5	18.5	20.6	22.7	24.9	
COMPRESSOR CURRENT (A)		11.4	13.2	15.1	17.1	19.2	21.3	23.5	
INDOOR COIL DB TEMP DROP (°F)		20	19	18	17	16	15	13	

Standard heating service data for use with models:

**PHE4B6024**  
**PHE4B6034**  
**PHE4B6044**  
**PHG4B601252X4**

PHE4B60 AND PHG4B60 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR DRY BULB (°F)				
	60	65	70	75	80
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	339 (32)	363 (32)	387 (33)	411 (34)	435 (35)
47	317 (46)	340 (48)	364 (50)	388 (53)	411 (55)
40	305 (53)	328 (57)	351 (60)	375 (63)	398 (66)
30	287 (64)	310 (69)	333 (73)	356 (78)	379 (83)
17	265 (79)	288 (85)	310 (91)	333 (98)	355 (104)

**Note:** The charging chart is for use only in heating mode.

#### PHE4B60 and PHG4B60

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1600	Suction Prs./Temp.	120 / 49	93 / 39	81 / 34	66 / 26	53 / 16	46 / 11
		Liquid Prs./Temp.	348 / 80	325 / 76	313 / 73	296 / 70	273 / 66	261 / 63
		ID Air DB Temp. Rise	37	31	28	23	17	14
		Total Amp./Comp Amp.	22.7 / 16.5	21.8 / 15.6	21.4 / 15.1	20.7 / 14.5	19.9 / 13.6	19.4 / 13.1
	1800	Suction Prs./Temp.	120 / 48	92 / 39	80 / 33	66 / 26	53 / 16	46 / 11
		Liquid Prs./Temp.	328 / 77	309 / 73	298 / 71	283 / 68	263 / 64	253 / 62
		ID Air DB Temp. Rise	33	28	25	21	15	12
		Total Amp./Comp Amp.	22.6 / 15.7	21.9 / 14.9	21.5 / 14.5	21 / 14	20.3 / 13.2	19.9 / 12.8
	2000	Suction Prs./Temp.	120 / 48	91 / 38	79 / 33	65 / 25	53 / 16	47 / 10
		Liquid Prs./Temp.	308 / 75	292 / 71	283 / 69	270 / 67	254 / 63	245 / 61
		ID Air DB Temp. Rise	29	24	22	18	13	11
		Total Amp./Comp Amp.	22.5 / 14.9	22 / 14.3	21.7 / 14	21.2 / 13.5	20.7 / 12.9	20.4 / 12.5
70	1600	Suction Prs./Temp.	122 / 50	95 / 40	83 / 35	68 / 28	54 / 18	46 / 13
		Liquid Prs./Temp.	398 / 89	374 / 85	361 / 3	342 / 3	318 / 3	305 / 3
		ID Air DB Temp. Rise	36	30	27	22	17	13
		Total Amp./Comp Amp.	24.7 / 18.5	23.8 / 17.5	23.2 / 17	22.5 / 16.2	21.6 / 15.2	21 / 14.7
	1800	Suction Prs./Temp.	122 / 49	94 / 40	81 / 35	67 / 27	54 / 17	47 / 12
		Liquid Prs./Temp.	379 / 87	374 / 85	361 / 3	342 / 3	318 / 3	305 / 3
		ID Air DB Temp. Rise	32	27	24	20	15	12
		Total Amp./Comp Amp.	24.6 / 17.6	23.8 / 16.8	23.3 / 16.3	22.7 / 15.7	21.9 / 14.9	21.5 / 14.4
	2000	Suction Prs./Temp.	121 / 49	92 / 39	80 / 34	66 / 27	54 / 17	47 / 12
		Liquid Prs./Temp.	361 / 84	342 / 80	332 / 79	318 / 76	299 / 73	289 / 71
		ID Air DB Temp. Rise	28	23	21	17	13	10
		Total Amp./Comp Amp.	24.4 / 16.8	23.8 / 16.1	23.4 / 15.7	22.9 / 15.2	22.3 / 14.5	21.9 / 14.1
80	1600	Suction Prs./Temp.	124 / 51	98 / 41	85 / 36	70 / 29	55 / 20	46 / 14
		Liquid Prs./Temp.	448 / 99	422 / 94	409 / 92	389 / 89	364 / 84	350 / 82
		ID Air DB Temp. Rise	34	29	26	22	16	13
		Total Amp./Comp Amp.	26.7 / 20.5	25.7 / 19.4	25.1 / 18.8	24.3 / 18	23.2 / 16.9	22.7 / 16.3
	1800	Suction Prs./Temp.	123 / 50	96 / 41	83 / 36	68 / 28	54 / 19	47 / 14
		Liquid Prs./Temp.	430 / 96	407 / 92	395 / 90	377 / 87	354 / 83	342 / 81
		ID Air DB Temp. Rise	31	26	23	19	14	11
		Total Amp./Comp Amp.	26.5 / 19.6	25.6 / 18.6	25.1 / 18.1	24.4 / 17.4	23.6 / 16.5	23.1 / 16
	2000	Suction Prs./Temp.	123 / 50	94 / 41	81 / 35	66 / 28	54 / 18	48 / 13
		Liquid Prs./Temp.	413 / 93	392 / 90	381 / 88	365 / 85	345 / 82	334 / 80
		ID Air DB Temp. Rise	27	22	20	16	12	10
		Total Amp./Comp Amp.	26.3 / 18.6	25.6 / 17.9	25.2 / 17.5	24.6 / 16.9	23.9 / 16.1	23.5 / 15.7

Extended heating service data for use with models:

**PHE4B6024**

**PHE4B6034**

**PHE4B6044**

**PHG4B601252X4**

**PHE4B60 and PHG4B60**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
5	1600	60	MBH	19.8	22.0	32.3	37.3	42.2	49.8	60.8	71.8
			KW	3.4	3.7	3.7	3.8	3.9	4.1	4.2	4.4
		70	MBH	13.4	19.2	28.5	35.2	41.8	49.6	58.7	67.7
			KW	3.7	4.0	4.0	4.2	4.3	4.5	4.6	4.8
		80	MBH	7.0	14.3	24.7	33.1	41.5	49.3	56.4	63.5
			KW	4.0	4.4	4.4	4.5	4.7	4.9	5.1	5.2
	1800	60	MBH	19.9	22.7	32.4	37.9	43.4	51.0	61.6	72.1
			KW	3.5	3.5	3.7	3.8	3.9	4.0	4.1	4.3
		70	MBH	17.5	19.5	30.9	36.5	42.0	50.9	60.1	69.2
			KW	3.8	3.8	4.0	4.2	4.3	4.4	4.6	4.7
		80	MBH	15.7	18.2	29.4	35.2	41.0	50.7	58.9	67.0
			KW	4.1	4.1	4.4	4.5	4.7	4.8	5.0	5.1
	2000	60	MBH	23.3	23.2	32.6	38.6	44.5	52.2	62.3	72.3
			KW	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2
		70	MBH	19.4	21.6	33.4	39.1	44.8	52.2	61.5	70.8
			KW	3.9	4.1	4.1	4.2	4.3	4.4	4.5	4.6
		80	MBH	20.4	22.0	34.1	39.6	45.1	52.1	61.3	70.4
			KW	4.2	4.2	4.4	4.5	4.6	4.8	4.9	5.0

Standard cooling low-speed service data for use with models:

**PHE6A2421**  
**PHG6A240502X1**  
**PHG6A240752X1**

PHE6A24 AND PHG6A24 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	180 (40)	181 (38)	183 (38)	184 (38)
60	195 (40)	197 (39)	199 (38)	200 (38)
65	212 (41)	213 (39)	215 (38)	217 (37)
70	229 (42)	230 (40)	233 (39)	235 (38)
75	247 (44)	249 (42)	252 (40)	254 (38)
80	267 (46)	268 (44)	271 (41)	274 (39)
85	287 (48)	289 (46)	292 (43)	295 (40)
90	309 (51)	310 (48)	313 (45)	316 (42)
95	331 (53)	333 (51)	336 (48)	339 (44)
100	355 (57)	356 (54)	359 (51)	362 (47)
105	379 (60)	381 (58)	383 (55)	387 (49)
110	405 (64)	406 (61)	408 (59)	412 (53)
115	431 (68)	433 (66)	435 (63)	438 (56)
120	459 (73)	460 (70)	462 (68)	466 (61)
125	487 (78)	489 (75)	490 (73)	494 (65)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6A24 and PHG6A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	375	DISCHARGE PRESSURE (PSIG)	179	210	246	286	329	377	429	485
		DISCHARGE TEMPERATURE (°F)	103	115	128	142	158	174	193	212
		DISCHARGE SUPERHEAT (°F)	40	42	45	49	55	62	71	80
		SUCTION PRESSURE (PSIG)	115	119	123	127	131	135	139	144
		SUCTION TEMPERATURE (°F)	54	54	55	57	59	62	66	71
		SUCTION SUPERHEAT (°F)	15	14	13	13	14	15	17	20
		OUTDOOR UNIT CURRENT (A)	3.6	4.0	4.5	5.1	5.7	6.4	7.2	8.0
		COMPRESSOR CURRENT (A)	2.6	3.1	3.6	4.1	4.8	5.5	6.2	7.1
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	24	22	20	18	16
	575	DISCHARGE PRESSURE (PSIG)	181	212	248	288	331	379	431	487
		DISCHARGE TEMPERATURE (°F)	102	113	126	140	156	173	191	210
		DISCHARGE SUPERHEAT (°F)	38	40	43	47	53	60	69	78
		SUCTION PRESSURE (PSIG)	122	126	130	134	138	142	146	151
		SUCTION TEMPERATURE (°F)	58	58	59	61	63	66	69	74
		SUCTION SUPERHEAT (°F)	16	15	14	14	15	16	18	21
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.2	5.8	6.5	7.3	8.1
		COMPRESSOR CURRENT (A)	2.6	3.1	3.6	4.1	4.8	5.5	6.2	7.1
		INDOOR COIL DB TEMP DROP (°F)	26	24	23	21	19	17	15	13
	775	DISCHARGE PRESSURE (PSIG)	183	214	250	290	333	381	433	489
		DISCHARGE TEMPERATURE (°F)	100	112	125	139	154	171	190	208
		DISCHARGE SUPERHEAT (°F)	36	38	41	45	51	58	67	76
		SUCTION PRESSURE (PSIG)	129	133	137	141	145	149	153	158
		SUCTION TEMPERATURE (°F)	62	62	63	64	67	70	73	78
		SUCTION SUPERHEAT (°F)	17	16	15	15	16	17	19	22
OUTDOOR UNIT CURRENT (A)		3.8	4.2	4.7	5.3	5.9	6.6	7.4	8.2	
COMPRESSOR CURRENT (A)		2.6	3.1	3.6	4.1	4.8	5.5	6.2	7.1	
INDOOR COIL DB TEMP DROP (°F)		23	21	20	18	16	14	12	10	

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## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	375	DISCHARGE PRESSURE (PSIG)	176	208	243	283	327	375	427	483
		DISCHARGE TEMPERATURE (°F)	108	119	132	146	161	178	196	215
		DISCHARGE SUPERHEAT (°F)	46	47	50	54	59	66	74	84
		SUCTION PRESSURE (PSIG)	104	109	114	119	124	129	134	140
		SUCTION TEMPERATURE (°F)	50	53	56	58	62	65	68	71
		SUCTION SUPERHEAT (°F)	17	17	18	18	19	20	21	22
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.2	5.8	6.5	7.2	8.1
		COMPRESSOR CURRENT (A)	2.7	3.2	3.6	4.2	4.8	5.5	6.3	7.1
	INDOOR COIL DB TEMP DROP (°F)	38	36	34	32	30	27	24	22	
	575	DISCHARGE PRESSURE (PSIG)	180	212	247	287	331	379	431	487
		DISCHARGE TEMPERATURE (°F)	103	114	127	141	156	173	190	210
		DISCHARGE SUPERHEAT (°F)	40	41	44	48	53	60	68	78
		SUCTION PRESSURE (PSIG)	118	123	128	133	138	143	148	154
		SUCTION TEMPERATURE (°F)	56	58	61	63	66	69	72	75
		SUCTION SUPERHEAT (°F)	16	16	17	17	18	19	20	21
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.2	5.8	6.5	7.2	8.1
		COMPRESSOR CURRENT (A)	2.6	3.1	3.5	4.1	4.7	5.4	6.2	7.0
	INDOOR COIL DB TEMP DROP (°F)	33	31	29	27	25	22	19	17	
	775	DISCHARGE PRESSURE (PSIG)	184	216	251	291	335	383	435	491
		DISCHARGE TEMPERATURE (°F)	99	110	122	136	151	168	185	205
		DISCHARGE SUPERHEAT (°F)	34	35	38	42	47	54	62	72
		SUCTION PRESSURE (PSIG)	132	137	142	147	152	157	162	168
		SUCTION TEMPERATURE (°F)	61	63	66	68	71	73	76	79
		SUCTION SUPERHEAT (°F)	15	15	16	16	17	18	19	20
OUTDOOR UNIT CURRENT (A)		3.7	4.1	4.6	5.2	5.8	6.5	7.2	8.1	
COMPRESSOR CURRENT (A)		2.5	3.0	3.4	4.0	4.6	5.3	6.1	6.9	
INDOOR COIL DB TEMP DROP (°F)	28	26	24	22	20	17	14	12		
80/62	375	DISCHARGE PRESSURE (PSIG)	179	211	247	287	331	379	431	487
		DISCHARGE TEMPERATURE (°F)	104	115	128	142	157	174	191	210
		DISCHARGE SUPERHEAT (°F)	41	42	45	49	54	61	69	78
		SUCTION PRESSURE (PSIG)	114	117	121	125	129	135	140	146
		SUCTION TEMPERATURE (°F)	54	54	55	57	59	62	66	70
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.7	6.4	7.2	8.1
		COMPRESSOR CURRENT (A)	2.7	3.1	3.6	4.2	4.8	5.5	6.3	7.1
	INDOOR COIL DB TEMP DROP (°F)	34	33	31	30	28	25	23	20	
	575	DISCHARGE PRESSURE (PSIG)	181	213	249	289	333	381	433	489
		DISCHARGE TEMPERATURE (°F)	102	113	126	140	154	171	189	207
		DISCHARGE SUPERHEAT (°F)	38	39	42	46	51	58	66	75
		SUCTION PRESSURE (PSIG)	124	127	131	135	139	145	150	156
		SUCTION TEMPERATURE (°F)	59	59	59	61	63	66	70	74
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.7	6.4	7.2	8.1
		COMPRESSOR CURRENT (A)	2.6	3.0	3.5	4.1	4.7	5.4	6.2	7.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	27	26	24	21	19	16	
	775	DISCHARGE PRESSURE (PSIG)	183	215	251	291	335	383	435	491
		DISCHARGE TEMPERATURE (°F)	99	110	123	137	152	169	186	205
		DISCHARGE SUPERHEAT (°F)	35	36	39	43	48	55	63	72
		SUCTION PRESSURE (PSIG)	134	137	141	145	149	155	160	166
		SUCTION TEMPERATURE (°F)	64	64	64	66	68	71	75	79
		SUCTION SUPERHEAT (°F)	17	16	15	15	15	16	18	20
OUTDOOR UNIT CURRENT (A)		3.7	4.1	4.6	5.1	5.7	6.4	7.2	8.1	
COMPRESSOR CURRENT (A)		2.5	2.9	3.4	4.0	4.6	5.3	6.1	6.9	
INDOOR COIL DB TEMP DROP (°F)	26	25	23	22	20	17	15	12		

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## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	375	DISCHARGE PRESSURE (PSIG)	181	213	250	290	334	381	433	488
		DISCHARGE TEMPERATURE (°F)	104	114	126	139	154	170	188	207
		DISCHARGE SUPERHEAT (°F)	40	40	42	45	50	57	65	75
		SUCTION PRESSURE (PSIG)	125	129	134	138	142	146	150	153
		SUCTION TEMPERATURE (°F)	59	61	63	64	67	69	72	75
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	18	19	21
		OUTDOOR UNIT CURRENT (A)	3.5	3.9	4.4	4.9	5.6	6.3	7.0	7.9
		COMPRESSOR CURRENT (A)	2.5	2.9	3.4	4.0	4.6	5.3	6.1	6.9
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	21	19	17	
	575	DISCHARGE PRESSURE (PSIG)	183	215	252	292	336	383	435	490
		DISCHARGE TEMPERATURE (°F)	102	112	124	137	152	169	186	205
		DISCHARGE SUPERHEAT (°F)	38	38	40	43	48	55	63	73
		SUCTION PRESSURE (PSIG)	132	136	141	145	149	153	157	160
		SUCTION TEMPERATURE (°F)	62	63	65	67	70	72	74	78
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	18	19	21
		OUTDOOR UNIT CURRENT (A)	3.6	4.0	4.5	5.0	5.7	6.4	7.1	8.0
		COMPRESSOR CURRENT (A)	2.5	2.9	3.4	4.0	4.6	5.3	6.1	6.9
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	18	16	14	
	775	DISCHARGE PRESSURE (PSIG)	185	217	254	294	338	385	437	492
		DISCHARGE TEMPERATURE (°F)	101	111	123	136	151	167	185	204
		DISCHARGE SUPERHEAT (°F)	36	36	38	41	46	53	61	71
		SUCTION PRESSURE (PSIG)	139	143	148	152	156	160	164	167
		SUCTION TEMPERATURE (°F)	65	66	68	70	72	75	77	80
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	18	19	21
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.8	6.5	7.2	8.1
		COMPRESSOR CURRENT (A)	2.5	2.9	3.4	4.0	4.6	5.3	6.1	6.9
	INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	17	15	13	11	
	80/72	375	DISCHARGE PRESSURE (PSIG)	182	215	252	293	337	385	436
DISCHARGE TEMPERATURE (°F)			103	112	123	136	149	164	180	199
DISCHARGE SUPERHEAT (°F)			39	38	39	41	45	50	57	66
SUCTION PRESSURE (PSIG)			131	138	144	150	155	159	163	166
SUCTION TEMPERATURE (°F)			63	64	66	68	70	72	75	78
SUCTION SUPERHEAT (°F)			18	16	15	15	15	16	17	19
OUTDOOR UNIT CURRENT (A)			3.5	3.9	4.4	4.9	5.5	6.2	7.0	7.8
COMPRESSOR CURRENT (A)			2.5	2.9	3.4	3.9	4.6	5.3	6.0	6.9
INDOOR COIL DB TEMP DROP (°F)		24	23	22	20	19	17	16	14	
575		DISCHARGE PRESSURE (PSIG)	184	217	254	295	339	387	438	494
		DISCHARGE TEMPERATURE (°F)	103	112	123	135	149	163	180	198
		DISCHARGE SUPERHEAT (°F)	38	37	38	40	44	49	56	65
		SUCTION PRESSURE (PSIG)	138	145	151	157	162	166	170	173
		SUCTION TEMPERATURE (°F)	66	67	68	70	72	75	77	80
		SUCTION SUPERHEAT (°F)	18	16	15	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	3.6	4.0	4.5	5.0	5.6	6.3	7.1	7.9
		COMPRESSOR CURRENT (A)	2.5	2.9	3.4	3.9	4.6	5.3	6.0	6.9
INDOOR COIL DB TEMP DROP (°F)		21	20	19	17	16	14	13	11	
775		DISCHARGE PRESSURE (PSIG)	186	219	256	297	341	389	440	496
		DISCHARGE TEMPERATURE (°F)	102	111	122	134	148	163	179	197
		DISCHARGE SUPERHEAT (°F)	37	36	37	39	43	48	55	64
		SUCTION PRESSURE (PSIG)	145	152	158	164	169	173	177	180
		SUCTION TEMPERATURE (°F)	69	70	71	73	75	77	79	82
		SUCTION SUPERHEAT (°F)	18	16	15	15	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	3.7	4.1	4.6	5.1	5.7	6.4	7.2	8.0
		COMPRESSOR CURRENT (A)	2.5	2.9	3.4	3.9	4.6	5.3	6.0	6.9
INDOOR COIL DB TEMP DROP (°F)		18	17	16	14	13	11	10	8	

Extended cooling low-speed service data for use with models:

**PHE6A2421**

**PHG6A240502X1**

**PHG6A240752X1**

**PHE6A24 and PHG6A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	380	DISCHARGE PRESSURE (PSIG)	204	245	289	335	385	436	490
		DISCHARGE TEMPERATURE (°F)	111	127	142	155	168	180	192
		DISCHARGE SUPERHEAT (°F)	40	44	48	51	54	57	60
		SUCTION PRESSURE (PSIG)	115	127	137	145	151	156	158
		SUCTION TEMPERATURE (°F)	51	56	61	64	65	67	67
		SUCTION SUPERHEAT (°F)	12	12	13	13	12	12	11
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	3.0	3.5	4.2	4.8	5.5	6.3	7.0
	INDOOR COIL DB TEMP DROP (°F)	35	36	36	35	32	29	25	
	580	DISCHARGE PRESSURE (PSIG)	208	249	293	339	389	440	494
		DISCHARGE TEMPERATURE (°F)	107	123	138	151	164	176	188
		DISCHARGE SUPERHEAT (°F)	35	39	43	46	49	52	55
		SUCTION PRESSURE (PSIG)	126	138	148	156	162	167	169
		SUCTION TEMPERATURE (°F)	56	61	66	69	70	72	72
		SUCTION SUPERHEAT (°F)	13	13	14	14	13	13	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.8	6.5	7.2	7.9
		COMPRESSOR CURRENT (A)	2.9	3.4	4.1	4.7	5.4	6.2	6.9
	INDOOR COIL DB TEMP DROP (°F)	31	32	32	31	28	25	21	
	780	DISCHARGE PRESSURE (PSIG)	212	253	297	343	393	444	498
		DISCHARGE TEMPERATURE (°F)	103	119	133	147	160	172	184
		DISCHARGE SUPERHEAT (°F)	30	34	38	41	44	47	50
		SUCTION PRESSURE (PSIG)	137	149	159	167	173	178	180
		SUCTION TEMPERATURE (°F)	62	67	71	74	75	77	76
		SUCTION SUPERHEAT (°F)	14	14	15	15	14	14	13
OUTDOOR UNIT CURRENT (A)		3.8	4.5	5.1	5.8	6.5	7.2	7.9	
COMPRESSOR CURRENT (A)		2.8	3.3	4.0	4.6	5.3	6.1	6.8	
INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	24	21	17		

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## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	380	DISCHARGE PRESSURE (PSIG)	206	246	289	334	382	432	484
		DISCHARGE TEMPERATURE (°F)	105	123	141	158	175	193	210
		DISCHARGE SUPERHEAT (°F)	33	40	47	54	62	70	79
		SUCTION PRESSURE (PSIG)	113	123	131	137	141	143	142
		SUCTION TEMPERATURE (°F)	49	54	58	62	64	65	66
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.2	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.6	6.3	7.1
	INDOOR COIL DB TEMP DROP (°F)	19	20	19	18	17	14	11	
	580	DISCHARGE PRESSURE (PSIG)	207	247	290	335	383	433	485
		DISCHARGE TEMPERATURE (°F)	103	121	139	156	174	191	209
		DISCHARGE SUPERHEAT (°F)	31	38	45	52	60	68	77
		SUCTION PRESSURE (PSIG)	118	128	136	142	146	148	147
		SUCTION TEMPERATURE (°F)	51	56	60	64	66	67	68
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.2	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.6	6.3	7.1
	INDOOR COIL DB TEMP DROP (°F)	17	18	17	16	15	12	9	
	780	DISCHARGE PRESSURE (PSIG)	208	248	291	336	384	434	486
		DISCHARGE TEMPERATURE (°F)	101	119	137	154	172	189	207
		DISCHARGE SUPERHEAT (°F)	29	36	43	50	58	66	75
		SUCTION PRESSURE (PSIG)	123	133	141	147	151	153	152
		SUCTION TEMPERATURE (°F)	53	58	62	66	68	69	70
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	3.9	4.5	5.2	5.9	6.7	7.4	8.2
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.6	6.3	7.1
	INDOOR COIL DB TEMP DROP (°F)	15	16	15	14	13	10	7	
	90/62	380	DISCHARGE PRESSURE (PSIG)	207	248	291	337	384	435
DISCHARGE TEMPERATURE (°F)			106	122	138	153	168	183	197
DISCHARGE SUPERHEAT (°F)			34	39	44	49	54	60	65
SUCTION PRESSURE (PSIG)			123	134	143	150	154	155	155
SUCTION TEMPERATURE (°F)			55	60	63	66	66	66	65
SUCTION SUPERHEAT (°F)			13	13	13	13	12	11	10
OUTDOOR UNIT CURRENT (A)			3.8	4.5	5.1	5.8	6.6	7.3	8.1
COMPRESSOR CURRENT (A)			2.8	3.4	4.1	4.7	5.5	6.2	7.1
INDOOR COIL DB TEMP DROP (°F)		15	15	15	14	12	10	7	
580		DISCHARGE PRESSURE (PSIG)	209	250	293	339	386	437	489
		DISCHARGE TEMPERATURE (°F)	105	121	137	152	166	182	195
		DISCHARGE SUPERHEAT (°F)	32	37	42	47	52	58	63
		SUCTION PRESSURE (PSIG)	128	139	148	155	159	160	160
		SUCTION TEMPERATURE (°F)	57	62	65	68	68	68	67
		SUCTION SUPERHEAT (°F)	13	13	13	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.8	6.6	7.3	8.1
		COMPRESSOR CURRENT (A)	2.8	3.4	4.1	4.7	5.5	6.2	7.1
INDOOR COIL DB TEMP DROP (°F)		13	13	13	12	10	8	5	
780		DISCHARGE PRESSURE (PSIG)	211	252	295	341	388	439	491
		DISCHARGE TEMPERATURE (°F)	103	119	135	150	165	180	194
		DISCHARGE SUPERHEAT (°F)	30	35	40	45	50	56	61
		SUCTION PRESSURE (PSIG)	133	144	153	160	164	165	165
		SUCTION TEMPERATURE (°F)	59	64	67	70	70	69	68
		SUCTION SUPERHEAT (°F)	13	13	13	13	12	11	10
		OUTDOOR UNIT CURRENT (A)	3.8	4.5	5.1	5.8	6.6	7.3	8.1
		COMPRESSOR CURRENT (A)	2.8	3.4	4.1	4.7	5.5	6.2	7.1
INDOOR COIL DB TEMP DROP (°F)		11	11	11	10	8	6	3	

Continued on next page

## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	380	DISCHARGE PRESSURE (PSIG)	206	247	291	337	385	436	489
		DISCHARGE TEMPERATURE (°F)	106	122	138	153	168	182	196
		DISCHARGE SUPERHEAT (°F)	34	39	44	49	54	59	64
		SUCTION PRESSURE (PSIG)	120	132	142	150	155	159	161
		SUCTION TEMPERATURE (°F)	52	58	62	66	68	68	69
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	12	12
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.1	5.8	6.5	7.3	8.0
		COMPRESSOR CURRENT (A)	2.9	3.5	4.1	4.8	5.5	6.3	7.1
		INDOOR COIL DB TEMP DROP (°F)	33	34	34	33	31	28	24
	580	DISCHARGE PRESSURE (PSIG)	209	250	294	340	388	439	492
		DISCHARGE TEMPERATURE (°F)	104	120	136	151	166	180	194
		DISCHARGE SUPERHEAT (°F)	31	36	41	46	51	56	61
		SUCTION PRESSURE (PSIG)	130	142	152	160	165	169	171
		SUCTION TEMPERATURE (°F)	57	63	67	71	72	73	73
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	3.8	4.4	5.1	5.8	6.5	7.3	8.0
		COMPRESSOR CURRENT (A)	2.8	3.4	4.0	4.7	5.4	6.2	7.0
		INDOOR COIL DB TEMP DROP (°F)	30	31	31	30	28	25	21
	780	DISCHARGE PRESSURE (PSIG)	212	253	297	343	391	442	495
		DISCHARGE TEMPERATURE (°F)	101	118	133	149	163	177	191
		DISCHARGE SUPERHEAT (°F)	28	33	38	43	48	53	58
		SUCTION PRESSURE (PSIG)	140	152	162	170	175	179	181
		SUCTION TEMPERATURE (°F)	62	68	71	75	77	77	78
		SUCTION SUPERHEAT (°F)	13	14	14	15	15	14	14
OUTDOOR UNIT CURRENT (A)		3.8	4.4	5.1	5.8	6.5	7.3	8.0	
COMPRESSOR CURRENT (A)		2.7	3.3	3.9	4.6	5.3	6.1	6.9	
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	25	22	18	
70/62	380	DISCHARGE PRESSURE (PSIG)	210	251	295	341	389	439	492
		DISCHARGE TEMPERATURE (°F)	103	119	134	149	164	178	192
		DISCHARGE SUPERHEAT (°F)	30	35	39	44	49	54	59
		SUCTION PRESSURE (PSIG)	134	146	155	162	166	168	168
		SUCTION TEMPERATURE (°F)	58	63	68	70	73	73	73
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	3.7	4.4	5.1	5.8	6.5	7.2	8.0
		COMPRESSOR CURRENT (A)	2.8	3.4	4.0	4.7	5.4	6.1	7.0
		INDOOR COIL DB TEMP DROP (°F)	28	29	29	29	27	25	22
	580	DISCHARGE PRESSURE (PSIG)	212	253	297	343	391	441	494
		DISCHARGE TEMPERATURE (°F)	102	119	133	149	163	177	191
		DISCHARGE SUPERHEAT (°F)	29	34	38	43	48	53	58
		SUCTION PRESSURE (PSIG)	141	153	162	169	173	175	175
		SUCTION TEMPERATURE (°F)	61	67	71	74	76	77	77
		SUCTION SUPERHEAT (°F)	12	13	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	3.7	4.4	5.1	5.8	6.5	7.2	8.0
		COMPRESSOR CURRENT (A)	2.8	3.4	4.0	4.7	5.4	6.1	7.0
		INDOOR COIL DB TEMP DROP (°F)	26	27	27	27	25	23	20
	780	DISCHARGE PRESSURE (PSIG)	214	255	299	345	393	443	496
		DISCHARGE TEMPERATURE (°F)	102	118	133	148	163	177	190
		DISCHARGE SUPERHEAT (°F)	28	33	37	42	47	52	57
		SUCTION PRESSURE (PSIG)	148	160	169	176	180	182	182
		SUCTION TEMPERATURE (°F)	65	71	75	77	79	80	80
		SUCTION SUPERHEAT (°F)	13	14	15	15	16	16	16
OUTDOOR UNIT CURRENT (A)		3.7	4.4	5.1	5.8	6.5	7.2	8.0	
COMPRESSOR CURRENT (A)		2.8	3.4	4.0	4.7	5.4	6.1	7.0	
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	23	21	18	

Standard cooling high-speed service data for use with models:

**PHE6A2421**  
**PHG6A240502X1**  
**PHG6A240752X1**

PHE6A24 AND PHG6A24 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	190 (47)	192 (45)	195 (46)	197 (48)
60	206 (47)	208 (45)	212 (45)	214 (46)
65	223 (47)	225 (45)	229 (44)	232 (45)
70	241 (48)	244 (46)	248 (44)	251 (44)
75	260 (48)	263 (46)	267 (44)	270 (43)
80	280 (49)	283 (47)	287 (44)	291 (43)
85	302 (50)	304 (48)	309 (45)	312 (43)
90	324 (51)	326 (49)	331 (46)	335 (44)
95	347 (53)	349 (51)	354 (47)	358 (45)
100	371 (55)	373 (53)	378 (49)	382 (47)
105	397 (56)	398 (55)	403 (51)	407 (48)
110	423 (58)	424 (57)	429 (53)	433 (51)
115	451 (61)	451 (60)	455 (56)	460 (53)
120	479 (63)	478 (63)	483 (59)	487 (56)
125	508 (66)	507 (66)	512 (62)	516 (59)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6A24 and PHG6A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	550	DISCHARGE PRESSURE (PSIG)	190	223	260	301	346	395	448	505
		DISCHARGE TEMPERATURE (°F)	113	123	135	146	159	173	187	202
		DISCHARGE SUPERHEAT (°F)	46	46	48	50	53	57	62	67
		SUCTION PRESSURE (PSIG)	113	116	119	123	126	130	134	138
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	61	64	66
		SUCTION SUPERHEAT (°F)	17	16	16	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.3	5.7	6.2	6.8	7.5	8.3	9.2	10.3
		COMPRESSOR CURRENT (A)	4.1	4.6	5.1	5.7	6.4	7.2	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	23	22	20	18
	750	DISCHARGE PRESSURE (PSIG)	192	225	262	303	348	397	450	507
		DISCHARGE TEMPERATURE (°F)	112	122	134	146	159	172	187	201
		DISCHARGE SUPERHEAT (°F)	45	45	47	49	52	56	61	66
		SUCTION PRESSURE (PSIG)	119	122	125	129	132	136	140	144
		SUCTION TEMPERATURE (°F)	57	58	59	60	61	63	66	69
		SUCTION SUPERHEAT (°F)	17	16	16	15	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.6	7.2	7.9	8.7	9.6	10.7
		COMPRESSOR CURRENT (A)	4.1	4.6	5.1	5.7	6.4	7.2	8.2	9.2
		INDOOR COIL DB TEMP DROP (°F)	26	24	23	22	20	19	17	15
	950	DISCHARGE PRESSURE (PSIG)	194	227	264	305	350	399	452	509
		DISCHARGE TEMPERATURE (°F)	112	122	134	145	158	172	186	200
		DISCHARGE SUPERHEAT (°F)	44	44	46	48	51	55	60	65
		SUCTION PRESSURE (PSIG)	125	128	131	135	138	142	146	150
		SUCTION TEMPERATURE (°F)	60	60	61	62	63	66	68	71
		SUCTION SUPERHEAT (°F)	17	16	16	15	15	16	17	18
OUTDOOR UNIT CURRENT (A)		6.1	6.5	7.0	7.6	8.3	9.1	10.0	11.1	
COMPRESSOR CURRENT (A)		4.1	4.6	5.1	5.7	6.4	7.2	8.2	9.2	
INDOOR COIL DB TEMP DROP (°F)		23	21	20	19	17	16	14	12	

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## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	550	DISCHARGE PRESSURE (PSIG)	186	219	256	298	343	393	447	504
		DISCHARGE TEMPERATURE (°F)	115	125	136	149	162	175	189	204
		DISCHARGE SUPERHEAT (°F)	50	50	51	53	56	59	64	69
		SUCTION PRESSURE (PSIG)	102	106	110	114	119	124	130	135
		SUCTION TEMPERATURE (°F)	52	53	55	57	59	61	63	65
		SUCTION SUPERHEAT (°F)	19	19	19	19	19	18	18	18
		OUTDOOR UNIT CURRENT (A)	5.3	5.7	6.2	6.8	7.5	8.4	9.3	10.3
		COMPRESSOR CURRENT (A)	4.0	4.4	5.0	5.6	6.3	7.2	8.1	9.1
	INDOOR COIL DB TEMP DROP (°F)	38	37	35	33	31	29	27	25	
	750	DISCHARGE PRESSURE (PSIG)	190	223	260	302	347	397	451	508
		DISCHARGE TEMPERATURE (°F)	114	124	135	147	159	172	187	201
		DISCHARGE SUPERHEAT (°F)	47	47	48	50	53	56	61	66
		SUCTION PRESSURE (PSIG)	113	117	121	125	130	135	141	146
		SUCTION TEMPERATURE (°F)	56	57	59	61	63	64	66	68
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	17	17	17
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.6	7.2	7.9	8.8	9.7	10.7
		COMPRESSOR CURRENT (A)	4.1	4.5	5.1	5.7	6.4	7.3	8.2	9.2
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	28	26	24	22	20	
	950	DISCHARGE PRESSURE (PSIG)	194	227	264	306	351	401	455	512
		DISCHARGE TEMPERATURE (°F)	112	122	133	145	157	170	185	199
		DISCHARGE SUPERHEAT (°F)	44	44	45	47	50	53	58	63
		SUCTION PRESSURE (PSIG)	124	128	132	136	141	146	152	157
		SUCTION TEMPERATURE (°F)	61	62	64	65	67	68	71	72
		SUCTION SUPERHEAT (°F)	18	18	18	18	18	17	17	17
		OUTDOOR UNIT CURRENT (A)	6.1	6.5	7.0	7.6	8.3	9.2	10.1	11.1
		COMPRESSOR CURRENT (A)	4.2	4.6	5.2	5.8	6.5	7.4	8.3	9.3
	INDOOR COIL DB TEMP DROP (°F)	28	27	25	23	21	19	17	15	
	80/62	550	DISCHARGE PRESSURE (PSIG)	189	222	260	301	346	395	448
DISCHARGE TEMPERATURE (°F)			112	122	134	145	158	172	186	202
DISCHARGE SUPERHEAT (°F)			46	46	47	49	52	56	61	67
SUCTION PRESSURE (PSIG)			113	116	119	123	127	131	135	140
SUCTION TEMPERATURE (°F)			56	56	56	58	60	61	63	66
SUCTION SUPERHEAT (°F)			18	17	16	16	16	16	16	17
OUTDOOR UNIT CURRENT (A)			5.3	5.7	6.2	6.8	7.6	8.4	9.3	10.3
COMPRESSOR CURRENT (A)			4.2	4.6	5.1	5.7	6.5	7.3	8.2	9.2
INDOOR COIL DB TEMP DROP (°F)		33	32	31	29	28	26	24	22	
750		DISCHARGE PRESSURE (PSIG)	192	225	263	304	349	398	451	507
		DISCHARGE TEMPERATURE (°F)	112	122	133	145	158	171	186	201
		DISCHARGE SUPERHEAT (°F)	45	45	46	48	51	55	60	66
		SUCTION PRESSURE (PSIG)	120	123	126	130	134	138	142	147
		SUCTION TEMPERATURE (°F)	59	59	59	61	63	64	66	69
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.6	7.2	8.0	8.8	9.7	10.7
		COMPRESSOR CURRENT (A)	4.2	4.6	5.1	5.7	6.5	7.3	8.2	9.2
INDOOR COIL DB TEMP DROP (°F)		30	29	28	26	25	23	21	19	
950		DISCHARGE PRESSURE (PSIG)	195	228	266	307	352	401	454	510
		DISCHARGE TEMPERATURE (°F)	112	122	133	145	157	171	185	201
		DISCHARGE SUPERHEAT (°F)	44	44	45	47	50	54	59	65
		SUCTION PRESSURE (PSIG)	127	130	133	137	141	145	149	154
		SUCTION TEMPERATURE (°F)	62	62	62	64	65	67	69	71
		SUCTION SUPERHEAT (°F)	18	17	16	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	6.1	6.5	7.0	7.6	8.4	9.2	10.1	11.1
		COMPRESSOR CURRENT (A)	4.2	4.6	5.1	5.7	6.5	7.3	8.2	9.2
INDOOR COIL DB TEMP DROP (°F)		27	26	25	23	22	20	18	16	

Continued on next page

## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	550	DISCHARGE PRESSURE (PSIG)	193	227	265	307	352	401	453	510
		DISCHARGE TEMPERATURE (°F)	115	123	133	144	155	169	183	199
		DISCHARGE SUPERHEAT (°F)	47	45	45	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	121	126	131	135	140	144	147	150
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	67	68	70
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	5.4	5.8	6.4	7.0	7.8	8.6	9.4	10.4
		COMPRESSOR CURRENT (A)	4.2	4.7	5.3	5.9	6.6	7.5	8.4	9.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	24	22	21	19	
	750	DISCHARGE PRESSURE (PSIG)	195	229	267	309	354	403	455	512
		DISCHARGE TEMPERATURE (°F)	114	122	132	143	155	168	183	198
		DISCHARGE SUPERHEAT (°F)	46	44	44	45	47	51	56	62
		SUCTION PRESSURE (PSIG)	127	132	137	141	146	150	153	156
		SUCTION TEMPERATURE (°F)	63	64	65	65	67	69	70	72
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.8	7.4	8.2	9.0	9.8	10.8
		COMPRESSOR CURRENT (A)	4.2	4.7	5.3	5.9	6.6	7.5	8.4	9.3
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	19	18	16	
	950	DISCHARGE PRESSURE (PSIG)	197	231	269	311	356	405	457	514
		DISCHARGE TEMPERATURE (°F)	114	122	132	143	154	168	182	197
		DISCHARGE SUPERHEAT (°F)	45	43	43	44	46	50	55	61
		SUCTION PRESSURE (PSIG)	133	138	143	147	152	156	159	162
		SUCTION TEMPERATURE (°F)	65	66	67	68	70	71	72	74
		SUCTION SUPERHEAT (°F)	19	18	17	16	16	16	16	17
		OUTDOOR UNIT CURRENT (A)	6.2	6.6	7.2	7.8	8.6	9.4	10.2	11.2
		COMPRESSOR CURRENT (A)	4.2	4.7	5.3	5.9	6.6	7.5	8.4	9.3
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	19	18	16	15	13	
	80/72	550	DISCHARGE PRESSURE (PSIG)	195	230	268	310	356	405	458
DISCHARGE TEMPERATURE (°F)			116	124	132	141	153	166	180	195
DISCHARGE SUPERHEAT (°F)			48	45	43	43	45	48	53	59
SUCTION PRESSURE (PSIG)			129	136	143	150	155	159	162	164
SUCTION TEMPERATURE (°F)			64	64	65	67	68	70	72	75
SUCTION SUPERHEAT (°F)			19	17	15	14	13	14	15	17
OUTDOOR UNIT CURRENT (A)			5.3	5.8	6.3	6.9	7.6	8.5	9.4	10.4
COMPRESSOR CURRENT (A)			4.2	4.6	5.2	5.8	6.5	7.4	8.3	9.3
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	19	18	16	15	
750		DISCHARGE PRESSURE (PSIG)	197	232	270	312	358	407	460	516
		DISCHARGE TEMPERATURE (°F)	117	124	132	142	154	166	180	196
		DISCHARGE SUPERHEAT (°F)	48	45	43	43	45	48	53	59
		SUCTION PRESSURE (PSIG)	134	141	148	155	160	164	167	169
		SUCTION TEMPERATURE (°F)	67	67	68	70	71	73	75	78
		SUCTION SUPERHEAT (°F)	20	18	16	15	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.7	7.3	8.0	8.9	9.8	10.8
		COMPRESSOR CURRENT (A)	4.2	4.6	5.2	5.8	6.5	7.4	8.3	9.3
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	16	15	13	12	
950		DISCHARGE PRESSURE (PSIG)	199	234	272	314	360	409	462	518
		DISCHARGE TEMPERATURE (°F)	117	125	133	142	154	167	181	196
		DISCHARGE SUPERHEAT (°F)	48	45	43	43	45	48	53	59
		SUCTION PRESSURE (PSIG)	139	146	153	160	165	169	172	174
		SUCTION TEMPERATURE (°F)	70	70	71	73	73	76	78	80
		SUCTION SUPERHEAT (°F)	21	19	17	16	15	16	17	19
		OUTDOOR UNIT CURRENT (A)	6.1	6.6	7.1	7.7	8.4	9.3	10.2	11.2
		COMPRESSOR CURRENT (A)	4.2	4.6	5.2	5.8	6.5	7.4	8.3	9.3
INDOOR COIL DB TEMP DROP (°F)		18	17	16	15	13	12	10	9	

Extended cooling high-speed service data for use with models:

**PHE6A2421**

**PHG6A240502X1**

**PHG6A240752X1**

**PHE6A24 and PHG6A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	550	DISCHARGE PRESSURE (PSIG)	216	259	304	352	403	456	511
		DISCHARGE TEMPERATURE (°F)	117	131	144	156	167	177	185
		DISCHARGE SUPERHEAT (°F)	42	45	47	49	50	50	49
		SUCTION PRESSURE (PSIG)	122	134	143	150	155	158	158
		SUCTION TEMPERATURE (°F)	55	61	64	66	67	66	64
		SUCTION SUPERHEAT (°F)	13	14	14	13	12	10	8
		OUTDOOR UNIT CURRENT (A)	5.9	6.7	7.5	8.2	9.0	9.7	10.4
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	6.7	7.5	8.4	9.2
	INDOOR COIL DB TEMP DROP (°F)	30	31	32	32	31	29	26	
	750	DISCHARGE PRESSURE (PSIG)	220	263	308	356	407	460	515
		DISCHARGE TEMPERATURE (°F)	117	131	144	156	167	176	184
		DISCHARGE SUPERHEAT (°F)	41	44	46	48	49	49	48
		SUCTION PRESSURE (PSIG)	129	141	150	157	162	165	165
		SUCTION TEMPERATURE (°F)	59	64	68	69	70	69	67
		SUCTION SUPERHEAT (°F)	14	15	15	14	13	11	9
		OUTDOOR UNIT CURRENT (A)	6.1	6.9	7.7	8.4	9.2	9.9	10.6
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	6.7	7.5	8.4	9.2
	INDOOR COIL DB TEMP DROP (°F)	28	29	30	30	29	27	24	
	950	DISCHARGE PRESSURE (PSIG)	224	267	312	360	411	464	519
		DISCHARGE TEMPERATURE (°F)	117	131	144	156	167	176	184
		DISCHARGE SUPERHEAT (°F)	40	43	45	47	48	48	47
		SUCTION PRESSURE (PSIG)	136	148	157	164	169	172	172
		SUCTION TEMPERATURE (°F)	63	69	72	74	75	74	72
		SUCTION SUPERHEAT (°F)	16	17	17	16	15	13	11
OUTDOOR UNIT CURRENT (A)		6.3	7.1	7.9	8.6	9.4	10.1	10.8	
COMPRESSOR CURRENT (A)		4.5	5.2	6.0	6.7	7.5	8.4	9.2	
INDOOR COIL DB TEMP DROP (°F)	26	27	28	28	27	25	22		

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## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	550	DISCHARGE PRESSURE (PSIG)	216	258	303	350	400	452	506
		DISCHARGE TEMPERATURE (°F)	116	130	144	156	167	177	185
		DISCHARGE SUPERHEAT (°F)	41	44	47	49	50	51	50
		SUCTION PRESSURE (PSIG)	110	120	128	134	138	140	141
		SUCTION TEMPERATURE (°F)	51	56	58	59	58	56	52
		SUCTION SUPERHEAT (°F)	15	15	14	12	10	7	3
		OUTDOOR UNIT CURRENT (A)	5.3	6.2	7.0	7.9	8.7	9.5	10.3
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.4	8.3	9.1
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	19	18	16	13	
	750	DISCHARGE PRESSURE (PSIG)	218	260	305	352	402	454	508
		DISCHARGE TEMPERATURE (°F)	116	131	144	156	167	177	185
		DISCHARGE SUPERHEAT (°F)	41	44	47	49	50	51	50
		SUCTION PRESSURE (PSIG)	115	125	133	139	143	145	146
		SUCTION TEMPERATURE (°F)	54	58	60	61	60	58	54
		SUCTION SUPERHEAT (°F)	15	15	14	12	10	7	3
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.3	8.2	9.0	9.8	10.6
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.4	8.3	9.1
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	17	16	14	11	
	950	DISCHARGE PRESSURE (PSIG)	220	262	307	354	404	456	510
		DISCHARGE TEMPERATURE (°F)	117	131	145	157	168	178	186
		DISCHARGE SUPERHEAT (°F)	41	44	47	49	50	51	50
		SUCTION PRESSURE (PSIG)	120	130	138	144	148	150	151
		SUCTION TEMPERATURE (°F)	56	60	62	63	62	60	56
		SUCTION SUPERHEAT (°F)	15	15	14	12	10	7	3
		OUTDOOR UNIT CURRENT (A)	5.9	6.8	7.6	8.5	9.3	10.1	10.9
		COMPRESSOR CURRENT (A)	4.3	5.0	5.8	6.6	7.4	8.3	9.1
	INDOOR COIL DB TEMP DROP (°F)	15	16	16	15	14	12	9	
	90/62	550	DISCHARGE PRESSURE (PSIG)	220	263	307	355	404	456
DISCHARGE TEMPERATURE (°F)			113	128	142	155	168	179	189
DISCHARGE SUPERHEAT (°F)			37	41	44	47	50	52	53
SUCTION PRESSURE (PSIG)			120	131	140	146	150	152	152
SUCTION TEMPERATURE (°F)			55	59	63	64	65	64	62
SUCTION SUPERHEAT (°F)			14	14	14	13	12	10	8
OUTDOOR UNIT CURRENT (A)			5.4	6.3	7.1	7.9	8.7	9.6	10.3
COMPRESSOR CURRENT (A)			4.4	5.1	5.9	6.7	7.5	8.3	9.2
INDOOR COIL DB TEMP DROP (°F)		15	16	15	14	13	11	9	
750		DISCHARGE PRESSURE (PSIG)	222	265	309	357	406	458	512
		DISCHARGE TEMPERATURE (°F)	113	129	142	155	168	179	189
		DISCHARGE SUPERHEAT (°F)	37	41	44	47	50	52	53
		SUCTION PRESSURE (PSIG)	124	135	144	150	154	156	156
		SUCTION TEMPERATURE (°F)	57	61	65	66	66	65	63
		SUCTION SUPERHEAT (°F)	14	14	14	13	12	10	8
		OUTDOOR UNIT CURRENT (A)	5.7	6.6	7.4	8.2	9.0	9.9	10.6
		COMPRESSOR CURRENT (A)	4.4	5.1	5.9	6.7	7.5	8.3	9.2
INDOOR COIL DB TEMP DROP (°F)		13	14	13	12	11	9	7	
950		DISCHARGE PRESSURE (PSIG)	224	267	311	359	408	460	514
		DISCHARGE TEMPERATURE (°F)	114	129	143	156	168	179	189
		DISCHARGE SUPERHEAT (°F)	37	41	44	47	50	52	53
		SUCTION PRESSURE (PSIG)	128	139	148	154	158	160	160
		SUCTION TEMPERATURE (°F)	58	63	66	67	68	67	65
		SUCTION SUPERHEAT (°F)	14	14	14	13	12	10	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.9	7.7	8.5	9.3	10.2	10.9
		COMPRESSOR CURRENT (A)	4.4	5.1	5.9	6.7	7.5	8.3	9.2
INDOOR COIL DB TEMP DROP (°F)		11	12	11	10	9	7	5	

Continued on next page

## PHE6A24 and PHG6A24 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	550	DISCHARGE PRESSURE (PSIG)	219	262	307	355	405	457	512
		DISCHARGE TEMPERATURE (°F)	114	129	143	155	166	175	183
		DISCHARGE SUPERHEAT (°F)	39	42	45	47	48	48	47
		SUCTION PRESSURE (PSIG)	110	123	134	143	152	158	164
		SUCTION TEMPERATURE (°F)	49	55	60	62	65	65	65
		SUCTION SUPERHEAT (°F)	13	13	13	12	11	9	7
		OUTDOOR UNIT CURRENT (A)	5.2	6.1	7.0	7.8	8.7	9.6	10.5
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.3	9.2
		INDOOR COIL DB TEMP DROP (°F)	35	36	36	34	32	28	24
	750	DISCHARGE PRESSURE (PSIG)	222	265	310	358	408	460	515
		DISCHARGE TEMPERATURE (°F)	115	130	143	156	166	175	183
		DISCHARGE SUPERHEAT (°F)	39	42	45	47	48	48	47
		SUCTION PRESSURE (PSIG)	114	127	138	147	156	162	168
		SUCTION TEMPERATURE (°F)	52	58	62	65	67	67	67
		SUCTION SUPERHEAT (°F)	14	14	14	13	12	10	8
		OUTDOOR UNIT CURRENT (A)	5.4	6.3	7.2	8.0	8.9	9.8	10.7
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.3	9.2
		INDOOR COIL DB TEMP DROP (°F)	34	35	35	33	31	27	23
	950	DISCHARGE PRESSURE (PSIG)	225	268	313	361	411	463	518
		DISCHARGE TEMPERATURE (°F)	116	131	144	156	167	176	184
		DISCHARGE SUPERHEAT (°F)	39	42	45	47	48	48	47
		SUCTION PRESSURE (PSIG)	118	131	142	151	160	166	172
		SUCTION TEMPERATURE (°F)	56	61	66	68	71	71	71
		SUCTION SUPERHEAT (°F)	16	16	16	15	14	12	10
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.4	8.2	9.1	10.0	10.9
		COMPRESSOR CURRENT (A)	4.3	5.1	5.8	6.6	7.5	8.3	9.2
		INDOOR COIL DB TEMP DROP (°F)	33	34	34	32	30	26	22
	70/62	550	DISCHARGE PRESSURE (PSIG)	224	267	312	359	409	460
DISCHARGE TEMPERATURE (°F)			115	130	144	156	168	177	187
DISCHARGE SUPERHEAT (°F)			38	42	45	47	49	50	51
SUCTION PRESSURE (PSIG)			131	143	152	159	164	166	166
SUCTION TEMPERATURE (°F)			58	64	68	70	72	72	70
SUCTION SUPERHEAT (°F)			13	14	14	14	14	13	11
OUTDOOR UNIT CURRENT (A)			5.5	6.4	7.2	8.0	8.8	9.6	10.4
COMPRESSOR CURRENT (A)			4.4	5.2	6.0	6.7	7.5	8.4	9.2
INDOOR COIL DB TEMP DROP (°F)			28	29	30	29	28	26	24
750		DISCHARGE PRESSURE (PSIG)	226	269	314	361	411	462	516
		DISCHARGE TEMPERATURE (°F)	114	130	143	155	167	177	187
		DISCHARGE SUPERHEAT (°F)	37	41	44	46	48	49	50
		SUCTION PRESSURE (PSIG)	136	148	157	164	169	171	171
		SUCTION TEMPERATURE (°F)	60	66	69	72	74	73	71
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.7	7.5	8.3	9.1	9.9	10.7
		COMPRESSOR CURRENT (A)	4.4	5.2	6.0	6.7	7.5	8.4	9.2
		INDOOR COIL DB TEMP DROP (°F)	26	27	28	27	26	24	22
950		DISCHARGE PRESSURE (PSIG)	228	271	316	363	413	464	518
		DISCHARGE TEMPERATURE (°F)	114	129	143	155	166	176	186
		DISCHARGE SUPERHEAT (°F)	36	40	43	45	47	48	49
		SUCTION PRESSURE (PSIG)	141	153	162	169	174	176	176
		SUCTION TEMPERATURE (°F)	62	68	71	74	75	75	73
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	11
		OUTDOOR UNIT CURRENT (A)	6.1	7.0	7.8	8.6	9.4	10.2	11.0
		COMPRESSOR CURRENT (A)	4.4	5.2	6.0	6.7	7.5	8.4	9.2
		INDOOR COIL DB TEMP DROP (°F)	24	25	26	25	24	22	20

Standard heating low-speed service data  
for use with models:

**PHE6A2421**

**PHG6A240502X1**

**PHG6A240752X1**

PHE6A24 AND PHG6A24 SUPERHEAT CHARGING CHART			
INDOOR WET BULB (°F)	OUTDOOR AMBIENT DB (°F)		
	60	47	40
60	353 (17)	323 (16)	370 (21)
65	370 (17)	339 (16)	389 (21)
70	387 (17)	356 (16)	407 (22)
75	404 (18)	372 (16)	426 (22)
80	422 (18)	389 (16)	445 (22)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6A24 and PHG6A24**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA		
			60	47	40
60	760	Suction Prs./Temp.	138 / 48	113 / 38	96 / 29
		Liquid Prs./Temp.	279 / 79	261 / 75	285 / 77
		ID Air DB Temp. Rise	25	20	24
		Total Amp./Comp Amp.	5.1 / 3.9	5.2 / 4	6.9 / 5.6
	560	Suction Prs./Temp.	139 / 49	114 / 38	97 / 30
		Liquid Prs./Temp.	336 / 88	307 / 82	352 / 87
		ID Air DB Temp. Rise	35	28	35
		Total Amp./Comp Amp.	5.8 / 4.7	5.8 / 4.6	7.9 / 6.7
	360	Suction Prs./Temp.	141 / 49	116 / 39	99 / 31
		Liquid Prs./Temp.	393 / 96	353 / 89	418 / 96
		ID Air DB Temp. Rise	46	37	47
		Total Amp./Comp Amp.	6.6 / 5.6	6.4 / 5.3	8.9 / 7.9
70	760	Suction Prs./Temp.	139 / 48	114 / 38	97 / 30
		Liquid Prs./Temp.	320 / 87	300 / 84	328 / 86
		ID Air DB Temp. Rise	23	19	23
		Total Amp./Comp Amp.	5.7 / 4.5	5.8 / 4.5	7.5 / 6.3
	560	Suction Prs./Temp.	141 / 49	115 / 39	99 / 31
		Liquid Prs./Temp.	379 / 95	348 / 90	398 / 95
		ID Air DB Temp. Rise	33	26	34
		Total Amp./Comp Amp.	6.5 / 5.4	6.4 / 5.3	8.7 / 7.5
	360	Suction Prs./Temp.	142 / 50	117 / 39	100 / 31
		Liquid Prs./Temp.	438 / 104	395 / 97	468 / 104
		ID Air DB Temp. Rise	42	34	45
		Total Amp./Comp Amp.	7.4 / 6.4	7 / 6	9.8 / 8.8
80	760	Suction Prs./Temp.	140 / 49	115 / 39	98 / 30
		Liquid Prs./Temp.	361 / 96	340 / 92	371 / 94
		ID Air DB Temp. Rise	21	18	21
		Total Amp./Comp Amp.	6.4 / 5.2	6.3 / 5.1	8.2 / 7
	560	Suction Prs./Temp.	142 / 49	116 / 39	100 / 31
		Liquid Prs./Temp.	422 / 103	389 / 99	445 / 103
		ID Air DB Temp. Rise	30	24	32
		Total Amp./Comp Amp.	7.2 / 6.1	7 / 5.9	9.4 / 8.3
	360	Suction Prs./Temp.	143 / 50	117 / 39	101 / 32
		Liquid Prs./Temp.	483 / 111	437 / 105	519 / 112
		ID Air DB Temp. Rise	39	31	42
		Total Amp./Comp Amp.	8.1 / 7.1	7.7 / 6.6	10.7 / 9.7

Extended heating low-speed service data for use with models:

**PHE6A2421**

**PHG6A240502X1**

**PHG6A240752X1**

**PHE6A24 and PHG6A24**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
2	550	60	MBH	7.7	10.1	12.5	14.9	18.8	22.8	27.3	31.4
			KW	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6
		70	MBH	7.9	9.9	12.0	14.1	17.6	21.4	25.7	29.9
			KW	1.4	1.5	1.5	1.5	1.6	1.7	1.7	1.7
		80	MBH	7.9	10.0	12.1	14.2	16.4	20.0	24.2	28.4
			KW	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9
	750	60	MBH	7.3	9.7	12.2	14.7	18.2	22.3	26.3	30.4
			KW	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7
		70	MBH	7.6	10.0	12.5	15.0	17.8	20.7	25.7	26.4
			KW	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8
		80	MBH	7.6	10.1	12.7	15.3	17.5	19.1	20.8	22.5
			KW	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.0
	950	60	MBH	6.7	9.1	11.6	14.1	17.6	21.0	25.2	28.9
			KW	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8
		70	MBH	6.8	8.9	11.1	13.3	16.9	20.3	24.2	28.9
			KW	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
		80	MBH	7.0	9.0	11.0	13.0	16.1	19.5	23.2	28.9
			KW	1.5	1.6	1.8	1.9	2.0	2.0	2.1	2.2

Standard heating high-speed service data for use with models:

**PHE6A2421**  
**PHG6A240502X1**  
**PHG6A240752X1**

PHE6A24 AND PHG6A24 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	349 (16)	323 (16)	310 (16)	294 (16)	271 (16)
65	367 (16)	340 (17)	328 (16)	311 (17)	287 (16)
70	385 (16)	357 (17)	346 (17)	328 (17)	303 (16)
75	403 (16)	374 (17)	364 (17)	345 (17)	319 (16)
80	421 (17)	392 (17)	382 (17)	362 (17)	335 (16)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6A24 and PHG6A24**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	950	Suction Prs./Temp.	134 / 46	108 / 35	94 / 29	79 / 20	61 / 9	50 / 1
		Liquid Prs./Temp.	290 / 81	270 / 76	261 / 73	250 / 71	234 / 67	223 / 64
		ID Air DB Temp. Rise	28	23	19	19	11	9
		Total Amp./Comp Amp.	7.5 / 5.6	7.1 / 5.2	7 / 5.1	7.1 / 5.1	6.9 / 4.9	6.6 / 4.6
	750	Suction Prs./Temp.	135 / 47	109 / 35	95 / 29	78 / 20	60 / 9	52 / 2
		Liquid Prs./Temp.	332 / 88	306 / 82	292 / 79	278 / 75	255 / 70	243 / 67
		ID Air DB Temp. Rise	36	30	26	26	15	12
		Total Amp./Comp Amp.	7.8 / 6.2	7.4 / 5.8	7.2 / 5.6	7.2 / 5.6	6.8 / 5.2	6.6 / 4.9
	550	Suction Prs./Temp.	136 / 47	109 / 36	96 / 29	78 / 19	60 / 8	53 / 3
		Liquid Prs./Temp.	374 / 95	341 / 88	324 / 84	306 / 78	276 / 73	264 / 70
		ID Air DB Temp. Rise	45	37	32	32	19	16
		Total Amp./Comp Amp.	8.1 / 6.8	7.6 / 6.3	7.3 / 6.1	7.3 / 6	6.7 / 5.4	6.5 / 5.2
70	950	Suction Prs./Temp.	135 / 47	109 / 35	96 / 29	80 / 21	62 / 9	52 / 2
		Liquid Prs./Temp.	333 / 89	312 / 85	302 / 82	290 / 79	273 / 76	260 / 73
		ID Air DB Temp. Rise	26	21	18	18	10	7
		Total Amp./Comp Amp.	8.1 / 6.2	7.8 / 5.9	7.7 / 5.8	7.7 / 5.8	7.4 / 5.5	7.2 / 5.2
	750	Suction Prs./Temp.	136 / 47	109 / 36	97 / 30	80 / 21	62 / 9	52 / 3
		Liquid Prs./Temp.	377 / 96	349 / 90	337 / 87	320 / 83	295 / 79	280 / 76
		ID Air DB Temp. Rise	34	28	24	24	14	11
		Total Amp./Comp Amp.	8.5 / 6.9	8.1 / 6.5	8 / 6.4	7.8 / 6.2	7.4 / 5.8	7.2 / 5.5
	550	Suction Prs./Temp.	137 / 48	110 / 36	98 / 30	80 / 21	62 / 9	53 / 3
		Liquid Prs./Temp.	421 / 103	386 / 96	372 / 92	350 / 87	317 / 82	301 / 79
		ID Air DB Temp. Rise	42	35	30	30	18	14
		Total Amp./Comp Amp.	8.9 / 7.7	8.3 / 7.1	8.2 / 7	8 / 6.7	7.3 / 6.1	7.1 / 5.9
80	950	Suction Prs./Temp.	137 / 47	109 / 36	97 / 30	81 / 21	62 / 10	53 / 3
		Liquid Prs./Temp.	375 / 98	355 / 93	343 / 91	331 / 88	311 / 85	298 / 82
		ID Air DB Temp. Rise	24	19	17	17	9	6
		Total Amp./Comp Amp.	8.8 / 6.9	8.5 / 6.6	8.4 / 6.4	8.4 / 6.4	8 / 6	7.8 / 5.8
	750	Suction Prs./Temp.	137 / 48	110 / 36	98 / 30	82 / 22	63 / 10	53 / 3
		Liquid Prs./Temp.	421 / 104	392 / 98	382 / 96	362 / 92	335 / 88	317 / 84
		ID Air DB Temp. Rise	32	26	23	23	13	9
		Total Amp./Comp Amp.	9.2 / 7.7	8.8 / 7.2	8.7 / 7.2	8.5 / 6.9	8 / 6.4	7.8 / 6.1
	550	Suction Prs./Temp.	138 / 48	111 / 37	99 / 31	82 / 22	63 / 11	53 / 3
		Liquid Prs./Temp.	468 / 110	430 / 104	421 / 100	394 / 96	358 / 91	337 / 87
		ID Air DB Temp. Rise	40	32	29	29	16	12
		Total Amp./Comp Amp.	9.7 / 8.5	9.1 / 7.9	9.1 / 7.9	8.7 / 7.4	8 / 6.7	7.7 / 6.5

Standard cooling low-speed service data for use with models:

**PHE6A3021**  
**PHG6A300502X1**  
**PHG6A300752X1**

PHE6A30 AND PHG6A30 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	186 (41)	187 (39)	190 (39)	192 (40)
60	202 (42)	203 (40)	206 (39)	209 (39)
65	219 (43)	220 (41)	223 (39)	226 (38)
70	237 (44)	238 (42)	241 (40)	245 (38)
75	256 (45)	257 (44)	261 (41)	264 (39)
80	276 (47)	277 (45)	281 (42)	284 (39)
85	297 (48)	298 (47)	302 (43)	305 (40)
90	319 (50)	319 (49)	324 (45)	327 (42)
95	342 (52)	342 (52)	347 (47)	350 (43)
100	366 (55)	366 (54)	370 (50)	374 (45)
105	391 (57)	391 (57)	395 (52)	399 (48)
110	417 (60)	417 (61)	421 (56)	425 (51)
115	444 (63)	444 (64)	447 (59)	451 (54)
120	472 (66)	472 (68)	475 (63)	479 (58)
125	502 (69)	500 (72)	504 (67)	508 (62)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6A30 and PHG6A30**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	550	DISCHARGE PRESSURE (PSIG)	185	218	254	295	339	388	440	496
		DISCHARGE TEMPERATURE (°F)	106	118	130	144	160	176	193	211
		DISCHARGE SUPERHEAT (°F)	41	43	45	49	55	61	69	78
		SUCTION PRESSURE (PSIG)	117	121	125	129	133	136	140	144
		SUCTION TEMPERATURE (°F)	53	54	56	58	60	62	65	69
		SUCTION SUPERHEAT (°F)	14	13	13	13	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.8	6.5	7.3	8.2	9.2	10.3
		COMPRESSOR CURRENT (A)	3.4	3.9	4.5	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	19	17
	750	DISCHARGE PRESSURE (PSIG)	187	220	256	297	341	390	442	498
		DISCHARGE TEMPERATURE (°F)	105	117	128	142	158	174	191	210
		DISCHARGE SUPERHEAT (°F)	39	41	43	47	53	59	67	76
		SUCTION PRESSURE (PSIG)	123	127	131	135	139	142	146	150
		SUCTION TEMPERATURE (°F)	56	57	58	60	63	65	67	71
		SUCTION SUPERHEAT (°F)	14	13	13	13	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.7	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	3.4	3.9	4.5	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	21	20	18	16	14
	950	DISCHARGE PRESSURE (PSIG)	189	222	258	299	343	392	444	500
		DISCHARGE TEMPERATURE (°F)	103	115	127	141	157	172	190	208
		DISCHARGE SUPERHEAT (°F)	37	39	41	45	51	57	65	74
		SUCTION PRESSURE (PSIG)	129	133	137	141	145	148	152	156
		SUCTION TEMPERATURE (°F)	59	59	61	62	65	67	70	73
		SUCTION SUPERHEAT (°F)	14	13	13	13	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	3.4	3.9	4.5	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	18	17	15	13	11

Continued on next page

## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	550	DISCHARGE PRESSURE (PSIG)	182	215	252	293	338	387	440	498
		DISCHARGE TEMPERATURE (°F)	110	122	134	148	162	176	192	208
		DISCHARGE SUPERHEAT (°F)	46	48	50	53	57	62	68	74
		SUCTION PRESSURE (PSIG)	108	112	117	122	127	132	138	144
		SUCTION TEMPERATURE (°F)	51	52	53	56	58	60	62	66
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	4.7	5.2	5.8	6.5	7.3	8.2	9.2	10.3
		COMPRESSOR CURRENT (A)	3.5	4.0	4.7	5.4	6.2	7.1	8.1	9.2
	INDOOR COIL DB TEMP DROP (°F)	37	35	33	31	29	27	24	22	
	750	DISCHARGE PRESSURE (PSIG)	186	219	256	297	342	391	444	502
		DISCHARGE TEMPERATURE (°F)	106	118	130	143	157	172	188	203
		DISCHARGE SUPERHEAT (°F)	41	43	45	48	52	57	63	69
		SUCTION PRESSURE (PSIG)	119	123	128	133	138	143	149	155
		SUCTION TEMPERATURE (°F)	55	56	57	59	61	63	66	69
		SUCTION SUPERHEAT (°F)	15	14	13	13	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.7	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	3.4	3.9	4.6	5.3	6.1	7.0	8.0	9.1
	INDOOR COIL DB TEMP DROP (°F)	33	31	29	27	25	23	20	18	
	950	DISCHARGE PRESSURE (PSIG)	190	223	260	301	346	395	448	506
		DISCHARGE TEMPERATURE (°F)	103	115	127	139	153	168	183	199
		DISCHARGE SUPERHEAT (°F)	36	38	40	43	47	52	58	64
		SUCTION PRESSURE (PSIG)	130	134	139	144	149	154	160	166
		SUCTION TEMPERATURE (°F)	59	60	61	63	65	66	69	72
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	12	12	13
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	3.3	3.8	4.5	5.2	6.0	6.9	7.9	9.0
	INDOOR COIL DB TEMP DROP (°F)	29	27	25	23	21	19	16	14	
	80/62	550	DISCHARGE PRESSURE (PSIG)	185	218	255	296	340	389	442
DISCHARGE TEMPERATURE (°F)			107	119	132	145	160	175	191	209
DISCHARGE SUPERHEAT (°F)			42	44	47	50	55	60	67	75
SUCTION PRESSURE (PSIG)			118	121	125	129	134	138	144	149
SUCTION TEMPERATURE (°F)			54	55	56	58	60	62	67	71
SUCTION SUPERHEAT (°F)			14	14	13	13	13	14	16	18
OUTDOOR UNIT CURRENT (A)			4.7	5.2	5.8	6.5	7.3	8.2	9.2	10.3
COMPRESSOR CURRENT (A)			3.4	4.0	4.6	5.3	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		33	32	30	29	27	25	23	20	
750		DISCHARGE PRESSURE (PSIG)	187	220	257	298	342	391	444	500
		DISCHARGE TEMPERATURE (°F)	105	117	130	143	157	172	189	206
		DISCHARGE SUPERHEAT (°F)	39	41	44	47	52	57	64	72
		SUCTION PRESSURE (PSIG)	125	128	132	136	141	145	151	156
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	65	69	73
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	4.9	5.4	6.0	6.7	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	3.4	4.0	4.6	5.3	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		30	29	27	26	24	22	20	17	
950		DISCHARGE PRESSURE (PSIG)	189	222	259	300	344	393	446	502
		DISCHARGE TEMPERATURE (°F)	102	114	127	140	155	170	186	203
		DISCHARGE SUPERHEAT (°F)	36	38	41	44	49	54	61	69
		SUCTION PRESSURE (PSIG)	132	135	139	143	148	152	158	163
		SUCTION TEMPERATURE (°F)	60	61	62	63	65	68	72	76
		SUCTION SUPERHEAT (°F)	14	14	13	13	13	14	16	18
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	3.4	4.0	4.6	5.3	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		27	26	24	23	21	19	17	14	

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	550	DISCHARGE PRESSURE (PSIG)	188	221	259	300	345	393	445	502
		DISCHARGE TEMPERATURE (°F)	106	116	128	140	154	169	185	202
		DISCHARGE SUPERHEAT (°F)	40	40	42	44	48	53	60	68
		SUCTION PRESSURE (PSIG)	127	132	137	141	146	149	153	156
		SUCTION TEMPERATURE (°F)	60	60	61	62	63	66	68	71
		SUCTION SUPERHEAT (°F)	16	14	13	13	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.6	5.2	5.8	6.5	7.3	8.2	9.2	10.3
		COMPRESSOR CURRENT (A)	3.4	3.9	4.6	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	23	22	20	18
	750	DISCHARGE PRESSURE (PSIG)	190	223	261	302	347	395	447	504
		DISCHARGE TEMPERATURE (°F)	106	116	128	140	153	168	184	202
		DISCHARGE SUPERHEAT (°F)	39	39	41	43	47	52	59	67
		SUCTION PRESSURE (PSIG)	132	137	142	146	151	154	158	161
		SUCTION TEMPERATURE (°F)	62	62	63	64	65	67	70	73
		SUCTION SUPERHEAT (°F)	16	14	13	13	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.4	6.0	6.7	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	3.4	3.9	4.6	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	26	24	23	22	20	19	17	15
	950	DISCHARGE PRESSURE (PSIG)	192	225	263	304	349	397	449	506
		DISCHARGE TEMPERATURE (°F)	105	115	127	139	153	167	184	201
		DISCHARGE SUPERHEAT (°F)	38	38	40	42	46	51	58	66
		SUCTION PRESSURE (PSIG)	137	142	147	151	156	159	163	166
		SUCTION TEMPERATURE (°F)	64	64	65	66	67	69	72	75
		SUCTION SUPERHEAT (°F)	16	14	13	13	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	5.0	5.6	6.2	6.9	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	3.4	3.9	4.6	5.3	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	23	21	20	19	17	16	14	12
	80/72	550	DISCHARGE PRESSURE (PSIG)	190	224	262	303	348	397	449
DISCHARGE TEMPERATURE (°F)			108	116	127	138	151	165	181	198
DISCHARGE SUPERHEAT (°F)			41	39	40	41	44	49	55	63
SUCTION PRESSURE (PSIG)			136	143	149	154	158	163	166	169
SUCTION TEMPERATURE (°F)			64	65	66	66	67	70	72	75
SUCTION SUPERHEAT (°F)			17	15	13	12	11	12	13	15
OUTDOOR UNIT CURRENT (A)			4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.1
COMPRESSOR CURRENT (A)			3.3	3.8	4.4	5.1	5.9	6.8	7.9	9.0
INDOOR COIL DB TEMP DROP (°F)			23	22	20	19	18	16	14	13
750		DISCHARGE PRESSURE (PSIG)	192	226	264	305	350	399	451	508
		DISCHARGE TEMPERATURE (°F)	107	115	127	137	150	165	180	197
		DISCHARGE SUPERHEAT (°F)	40	38	39	40	43	48	54	62
		SUCTION PRESSURE (PSIG)	140	147	153	158	162	167	170	173
		SUCTION TEMPERATURE (°F)	67	68	68	69	69	72	74	77
		SUCTION SUPERHEAT (°F)	18	16	14	13	12	13	14	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.3	5.9	6.6	7.4	8.3	9.3	10.4
		COMPRESSOR CURRENT (A)	3.3	3.8	4.4	5.1	5.9	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	21	20	18	17	16	14	12	11
950		DISCHARGE PRESSURE (PSIG)	194	228	266	307	352	401	453	510
		DISCHARGE TEMPERATURE (°F)	107	115	126	137	149	164	179	197
		DISCHARGE SUPERHEAT (°F)	39	37	38	39	42	47	53	61
		SUCTION PRESSURE (PSIG)	144	151	157	162	166	171	174	177
		SUCTION TEMPERATURE (°F)	70	70	70	71	72	74	76	79
		SUCTION SUPERHEAT (°F)	19	17	15	14	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.1	5.6	6.2	6.9	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	3.3	3.8	4.4	5.1	5.9	6.8	7.9	9.0
		INDOOR COIL DB TEMP DROP (°F)	19	18	16	15	14	12	10	9



Extended cooling low-speed service data for use with models:

**PHE6A3021**

**PHG6A300502X1**

**PHG6A300752X1**

**PHE6A30 and PHG6A30**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	550	DISCHARGE PRESSURE (PSIG)	211	254	298	346	395	448	502
		DISCHARGE TEMPERATURE (°F)	112	129	145	160	174	187	200
		DISCHARGE SUPERHEAT (°F)	39	44	49	54	58	62	66
		SUCTION PRESSURE (PSIG)	115	127	137	145	152	156	159
		SUCTION TEMPERATURE (°F)	51	57	61	65	68	70	71
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	4.8	5.7	6.5	7.4	8.3	9.3	10.2
		COMPRESSOR CURRENT (A)	3.7	4.5	5.3	6.2	7.1	8.0	9.0
	INDOOR COIL DB TEMP DROP (°F)	36	37	36	35	33	30	26	
	750	DISCHARGE PRESSURE (PSIG)	215	258	302	350	399	452	506
		DISCHARGE TEMPERATURE (°F)	109	126	142	157	171	184	197
		DISCHARGE SUPERHEAT (°F)	35	40	45	50	54	58	62
		SUCTION PRESSURE (PSIG)	125	137	147	155	162	166	169
		SUCTION TEMPERATURE (°F)	55	61	65	69	71	74	75
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	5.0	5.9	6.7	7.6	8.5	9.5	10.4
		COMPRESSOR CURRENT (A)	3.7	4.5	5.3	6.2	7.1	8.0	9.0
	INDOOR COIL DB TEMP DROP (°F)	32	33	32	31	29	26	22	
	950	DISCHARGE PRESSURE (PSIG)	219	262	306	354	403	456	510
		DISCHARGE TEMPERATURE (°F)	106	123	139	154	167	181	194
		DISCHARGE SUPERHEAT (°F)	31	36	41	46	50	54	58
		SUCTION PRESSURE (PSIG)	135	147	157	165	172	176	179
		SUCTION TEMPERATURE (°F)	59	65	68	72	75	77	78
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
OUTDOOR UNIT CURRENT (A)		5.2	6.1	6.9	7.8	8.7	9.7	10.6	
COMPRESSOR CURRENT (A)		3.7	4.5	5.3	6.2	7.1	8.0	9.0	
INDOOR COIL DB TEMP DROP (°F)	28	29	28	27	25	22	18		

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	550	DISCHARGE PRESSURE (PSIG)	213	255	299	345	393	444	496
		DISCHARGE TEMPERATURE (°F)	109	127	144	161	178	194	210
		DISCHARGE SUPERHEAT (°F)	35	42	48	55	62	69	77
		SUCTION PRESSURE (PSIG)	116	126	133	138	141	142	140
		SUCTION TEMPERATURE (°F)	49	54	58	61	63	65	65
		SUCTION SUPERHEAT (°F)	10	11	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	4.8	5.6	6.5	7.4	8.3	9.3	10.3
		COMPRESSOR CURRENT (A)	3.7	4.4	5.3	6.1	7.1	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	17	14	11
	750	DISCHARGE PRESSURE (PSIG)	214	256	300	346	394	445	497
		DISCHARGE TEMPERATURE (°F)	107	125	142	159	176	192	209
		DISCHARGE SUPERHEAT (°F)	33	40	46	53	60	67	75
		SUCTION PRESSURE (PSIG)	120	130	137	142	145	146	144
		SUCTION TEMPERATURE (°F)	51	56	60	63	65	66	67
		SUCTION SUPERHEAT (°F)	10	11	12	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	5.0	5.8	6.7	7.6	8.5	9.5	10.5
		COMPRESSOR CURRENT (A)	3.7	4.4	5.3	6.1	7.1	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	15	12	9
	950	DISCHARGE PRESSURE (PSIG)	215	257	301	347	395	446	498
		DISCHARGE TEMPERATURE (°F)	105	124	140	157	174	190	207
		DISCHARGE SUPERHEAT (°F)	31	38	44	51	58	65	73
		SUCTION PRESSURE (PSIG)	124	134	141	146	149	150	148
		SUCTION TEMPERATURE (°F)	53	58	61	64	67	68	68
		SUCTION SUPERHEAT (°F)	10	11	12	13	14	15	16
OUTDOOR UNIT CURRENT (A)		5.2	6.0	6.9	7.8	8.7	9.7	10.7	
COMPRESSOR CURRENT (A)		3.7	4.4	5.3	6.1	7.1	8.0	9.1	
INDOOR COIL DB TEMP DROP (°F)		15	15	15	14	13	10	7	
90/62	550	DISCHARGE PRESSURE (PSIG)	216	258	302	348	397	448	501
		DISCHARGE TEMPERATURE (°F)	109	126	142	158	173	188	203
		DISCHARGE SUPERHEAT (°F)	34	40	45	51	57	63	69
		SUCTION PRESSURE (PSIG)	125	136	144	150	153	154	152
		SUCTION TEMPERATURE (°F)	54	58	63	66	67	67	68
		SUCTION SUPERHEAT (°F)	11	11	12	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.5	7.4	8.3	9.3	10.3
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	12	10	8
	750	DISCHARGE PRESSURE (PSIG)	217	259	303	349	398	449	502
		DISCHARGE TEMPERATURE (°F)	107	124	140	156	171	187	201
		DISCHARGE SUPERHEAT (°F)	32	38	43	49	55	61	67
		SUCTION PRESSURE (PSIG)	129	140	148	154	157	158	156
		SUCTION TEMPERATURE (°F)	56	60	64	67	68	69	69
		SUCTION SUPERHEAT (°F)	11	11	12	13	13	13	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.8	6.7	7.6	8.5	9.5	10.5
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.1	7.0	8.0	9.1
		INDOOR COIL DB TEMP DROP (°F)	13	13	13	12	10	8	6
	950	DISCHARGE PRESSURE (PSIG)	218	260	304	350	399	450	503
		DISCHARGE TEMPERATURE (°F)	105	123	138	154	170	185	199
		DISCHARGE SUPERHEAT (°F)	30	36	41	47	53	59	65
		SUCTION PRESSURE (PSIG)	133	144	152	158	161	162	160
		SUCTION TEMPERATURE (°F)	57	62	66	69	70	70	71
		SUCTION SUPERHEAT (°F)	11	11	12	13	13	13	14
OUTDOOR UNIT CURRENT (A)		5.1	6.0	6.9	7.8	8.7	9.7	10.7	
COMPRESSOR CURRENT (A)		3.6	4.4	5.2	6.1	7.0	8.0	9.1	
INDOOR COIL DB TEMP DROP (°F)		11	11	11	10	8	6	4	

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	550	DISCHARGE PRESSURE (PSIG)	214	256	301	348	397	449	503
		DISCHARGE TEMPERATURE (°F)	110	126	142	158	171	186	198
		DISCHARGE SUPERHEAT (°F)	36	41	46	51	55	60	64
		SUCTION PRESSURE (PSIG)	121	133	143	151	156	160	161
		SUCTION TEMPERATURE (°F)	53	59	64	68	70	72	72
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	4.7	5.6	6.4	7.3	8.2	9.2	10.1
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.0	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	33	34	34	33	31	28	25	
	750	DISCHARGE PRESSURE (PSIG)	217	259	304	351	400	452	506
		DISCHARGE TEMPERATURE (°F)	108	124	140	155	169	183	196
		DISCHARGE SUPERHEAT (°F)	33	38	43	48	52	57	61
		SUCTION PRESSURE (PSIG)	129	141	151	159	164	168	169
		SUCTION TEMPERATURE (°F)	56	61	66	70	72	73	74
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.8	6.6	7.5	8.4	9.4	10.3
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.0	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	30	31	31	30	28	25	22	
	950	DISCHARGE PRESSURE (PSIG)	220	262	307	354	403	455	509
		DISCHARGE TEMPERATURE (°F)	106	122	138	153	166	181	193
		DISCHARGE SUPERHEAT (°F)	30	35	40	45	49	54	58
		SUCTION PRESSURE (PSIG)	137	149	159	167	172	176	177
		SUCTION TEMPERATURE (°F)	58	64	68	72	74	75	75
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	5.1	6.0	6.8	7.7	8.6	9.6	10.5
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.0	7.0	7.9	8.9
	INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	25	22	19	
	70/62	550	DISCHARGE PRESSURE (PSIG)	218	261	305	352	401	453
DISCHARGE TEMPERATURE (°F)			109	126	140	155	169	183	196
DISCHARGE SUPERHEAT (°F)			34	39	43	48	52	57	61
SUCTION PRESSURE (PSIG)			134	146	155	162	167	169	169
SUCTION TEMPERATURE (°F)			59	64	69	71	73	74	74
SUCTION SUPERHEAT (°F)			12	13	14	14	14	14	14
OUTDOOR UNIT CURRENT (A)			4.7	5.6	6.5	7.4	8.3	9.2	10.2
COMPRESSOR CURRENT (A)			3.6	4.4	5.2	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		28	29	29	28	27	25	22	
750		DISCHARGE PRESSURE (PSIG)	220	263	307	354	403	455	508
		DISCHARGE TEMPERATURE (°F)	108	124	139	154	167	182	194
		DISCHARGE SUPERHEAT (°F)	32	37	41	46	50	55	59
		SUCTION PRESSURE (PSIG)	139	151	160	167	172	174	174
		SUCTION TEMPERATURE (°F)	61	66	71	73	75	75	75
		SUCTION SUPERHEAT (°F)	12	13	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	4.9	5.8	6.7	7.6	8.5	9.4	10.4
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		26	27	27	26	25	23	20	
950		DISCHARGE PRESSURE (PSIG)	222	265	309	356	405	457	510
		DISCHARGE TEMPERATURE (°F)	106	123	137	152	166	180	193
		DISCHARGE SUPERHEAT (°F)	30	35	39	44	48	53	57
		SUCTION PRESSURE (PSIG)	144	156	165	172	177	179	179
		SUCTION TEMPERATURE (°F)	63	68	72	75	76	77	77
		SUCTION SUPERHEAT (°F)	12	13	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	5.1	6.0	6.9	7.8	8.7	9.6	10.6
		COMPRESSOR CURRENT (A)	3.6	4.4	5.2	6.1	7.0	8.0	9.0
INDOOR COIL DB TEMP DROP (°F)		24	25	25	24	23	21	18	

Standard cooling high-speed service data for use with models:

**PHE6A3021**

**PHG6A300502X1**

**PHG6A300752X1**

PHE6A30 AND PHG6A30 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	199 (47)	202 (47)	203 (50)	203 (54)
60	216 (47)	218 (46)	221 (48)	221 (52)
65	234 (46)	236 (46)	239 (47)	240 (50)
70	253 (46)	255 (46)	258 (46)	260 (49)
75	272 (47)	274 (46)	279 (46)	281 (48)
80	293 (47)	295 (47)	299 (46)	302 (47)
85	315 (48)	316 (48)	321 (46)	324 (47)
90	337 (49)	339 (49)	344 (47)	348 (48)
95	361 (51)	362 (51)	368 (48)	371 (48)
100	386 (52)	387 (52)	392 (50)	396 (49)
105	411 (54)	412 (54)	417 (52)	422 (51)
110	438 (57)	439 (57)	444 (54)	448 (53)
115	465 (59)	466 (59)	471 (57)	475 (55)
120	494 (62)	494 (62)	499 (60)	503 (58)
125	523 (65)	524 (66)	527 (63)	532 (61)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6A30 and PHG6A30**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	750	DISCHARGE PRESSURE (PSIG)	199	233	271	313	359	409	462	520
		DISCHARGE TEMPERATURE (°F)	117	126	136	147	160	174	188	204
		DISCHARGE SUPERHEAT (°F)	48	47	47	48	51	55	60	67
		SUCTION PRESSURE (PSIG)	113	117	121	124	128	131	135	138
		SUCTION TEMPERATURE (°F)	55	54	54	55	56	56	59	61
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.0	7.6	8.2	9.0	10.0	11.0	12.2	13.4
		COMPRESSOR CURRENT (A)	5.5	6.1	6.7	7.5	8.5	9.5	10.7	11.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	24	23	21	20	18
	950	DISCHARGE PRESSURE (PSIG)	201	235	273	315	361	411	464	522
		DISCHARGE TEMPERATURE (°F)	117	126	136	147	159	173	187	203
		DISCHARGE SUPERHEAT (°F)	47	46	46	47	50	54	59	66
		SUCTION PRESSURE (PSIG)	118	122	126	129	133	136	140	143
		SUCTION TEMPERATURE (°F)	57	57	56	57	58	58	61	63
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	8.7	9.5	10.5	11.5	12.7	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.7	7.5	8.5	9.5	10.7	11.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	22	21	19	18	16
	1150	DISCHARGE PRESSURE (PSIG)	203	237	275	317	363	413	466	524
		DISCHARGE TEMPERATURE (°F)	117	125	135	146	159	172	186	203
		DISCHARGE SUPERHEAT (°F)	46	45	45	46	49	53	58	65
		SUCTION PRESSURE (PSIG)	123	127	131	134	138	141	145	148
		SUCTION TEMPERATURE (°F)	59	59	58	59	60	60	63	65
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	11	12	13
		OUTDOOR UNIT CURRENT (A)	8.0	8.6	9.2	10.0	11.0	12.0	13.2	14.4
		COMPRESSOR CURRENT (A)	5.5	6.1	6.7	7.5	8.5	9.5	10.7	11.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	20	19	17	16	14

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	750	DISCHARGE PRESSURE (PSIG)	195	230	268	311	357	407	461	519
		DISCHARGE TEMPERATURE (°F)	117	127	138	149	161	174	189	204
		DISCHARGE SUPERHEAT (°F)	49	48	49	50	53	56	61	67
		SUCTION PRESSURE (PSIG)	105	110	115	119	124	128	133	137
		SUCTION TEMPERATURE (°F)	51	51	52	52	55	56	59	62
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	6.8	7.4	8.1	8.9	9.8	10.9	12.1	13.4
		COMPRESSOR CURRENT (A)	5.3	5.9	6.6	7.4	8.4	9.4	10.6	11.9
	INDOOR COIL DB TEMP DROP (°F)	38	37	35	33	31	29	26	24	
	950	DISCHARGE PRESSURE (PSIG)	199	234	272	315	361	411	465	523
		DISCHARGE TEMPERATURE (°F)	116	126	137	148	160	173	187	203
		DISCHARGE SUPERHEAT (°F)	47	46	47	48	51	54	59	65
		SUCTION PRESSURE (PSIG)	113	118	123	127	132	136	141	145
		SUCTION TEMPERATURE (°F)	55	55	55	56	58	59	62	65
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.7	9.5	10.4	11.5	12.7	14.0
		COMPRESSOR CURRENT (A)	5.4	6.0	6.7	7.5	8.5	9.5	10.7	12.0
	INDOOR COIL DB TEMP DROP (°F)	34	33	31	29	27	25	22	20	
	1150	DISCHARGE PRESSURE (PSIG)	203	238	276	319	365	415	469	527
		DISCHARGE TEMPERATURE (°F)	116	125	136	146	159	172	186	201
		DISCHARGE SUPERHEAT (°F)	45	44	45	46	49	52	57	63
		SUCTION PRESSURE (PSIG)	121	126	131	135	140	144	149	153
		SUCTION TEMPERATURE (°F)	58	58	58	59	61	63	66	68
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	8.0	8.6	9.3	10.1	11.0	12.1	13.3	14.6
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.6	8.6	9.6	10.8	12.1
	INDOOR COIL DB TEMP DROP (°F)	30	29	27	25	23	21	18	16	
	80/62	750	DISCHARGE PRESSURE (PSIG)	199	233	271	313	359	409	463
DISCHARGE TEMPERATURE (°F)			117	126	136	148	161	174	188	204
DISCHARGE SUPERHEAT (°F)			48	47	47	49	52	55	60	67
SUCTION PRESSURE (PSIG)			113	116	120	124	128	132	136	140
SUCTION TEMPERATURE (°F)			54	53	54	55	55	57	59	62
SUCTION SUPERHEAT (°F)			16	14	13	12	11	11	12	13
OUTDOOR UNIT CURRENT (A)			6.8	7.4	8.1	8.9	9.8	10.9	12.0	13.3
COMPRESSOR CURRENT (A)			5.3	5.9	6.6	7.4	8.3	9.4	10.5	11.8
INDOOR COIL DB TEMP DROP (°F)		33	32	31	30	28	27	25	23	
950		DISCHARGE PRESSURE (PSIG)	202	236	274	316	362	412	466	524
		DISCHARGE TEMPERATURE (°F)	117	126	136	148	160	173	187	204
		DISCHARGE SUPERHEAT (°F)	47	46	46	48	51	54	59	66
		SUCTION PRESSURE (PSIG)	119	122	126	130	134	138	142	146
		SUCTION TEMPERATURE (°F)	57	57	57	58	59	60	63	65
		SUCTION SUPERHEAT (°F)	17	15	14	13	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.0	8.7	9.5	10.4	11.5	12.6	13.9
		COMPRESSOR CURRENT (A)	5.4	6.0	6.7	7.5	8.4	9.5	10.6	11.9
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	25	24	22	20	
1150		DISCHARGE PRESSURE (PSIG)	205	239	277	319	365	415	469	527
		DISCHARGE TEMPERATURE (°F)	117	126	136	147	160	173	187	203
		DISCHARGE SUPERHEAT (°F)	46	45	45	47	50	53	58	65
		SUCTION PRESSURE (PSIG)	125	128	132	136	140	144	148	152
		SUCTION TEMPERATURE (°F)	61	60	61	61	62	64	66	69
		SUCTION SUPERHEAT (°F)	18	16	15	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.0	8.6	9.3	10.1	11.0	12.1	13.2	14.5
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.6	8.5	9.6	10.7	12.0
INDOOR COIL DB TEMP DROP (°F)		27	26	25	24	22	21	19	17	

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	750	DISCHARGE PRESSURE (PSIG)	201	237	277	319	366	415	469	525
		DISCHARGE TEMPERATURE (°F)	120	127	137	146	158	172	186	201
		DISCHARGE SUPERHEAT (°F)	50	47	46	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	120	127	132	137	141	144	147	149
		SUCTION TEMPERATURE (°F)	61	60	60	60	60	62	64	66
		SUCTION SUPERHEAT (°F)	20	16	14	12	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	7.0	7.6	8.3	9.1	10.0	11.0	12.2	13.4
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.6	8.5	9.6	10.7	12.0
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	24	23	22	20	18	
	950	DISCHARGE PRESSURE (PSIG)	203	239	279	321	368	417	471	527
		DISCHARGE TEMPERATURE (°F)	121	128	137	147	159	172	186	201
		DISCHARGE SUPERHEAT (°F)	50	47	46	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	124	131	136	141	145	148	151	153
		SUCTION TEMPERATURE (°F)	64	62	62	62	63	64	66	68
		SUCTION SUPERHEAT (°F)	21	17	15	13	12	12	13	14
		OUTDOOR UNIT CURRENT (A)	7.5	8.1	8.8	9.6	10.5	11.5	12.7	13.9
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.6	8.5	9.6	10.7	12.0
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	22	21	20	18	16	
	1150	DISCHARGE PRESSURE (PSIG)	205	241	281	323	370	419	473	529
		DISCHARGE TEMPERATURE (°F)	121	129	138	147	159	172	187	202
		DISCHARGE SUPERHEAT (°F)	50	47	46	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	128	135	140	145	149	152	155	157
		SUCTION TEMPERATURE (°F)	66	65	65	65	66	67	69	70
		SUCTION SUPERHEAT (°F)	22	18	16	14	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.0	8.6	9.3	10.1	11.0	12.0	13.2	14.4
		COMPRESSOR CURRENT (A)	5.5	6.1	6.8	7.6	8.5	9.6	10.7	12.0
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	20	19	18	16	14	
	80/72	750	DISCHARGE PRESSURE (PSIG)	202	239	280	323	370	421	474
DISCHARGE TEMPERATURE (°F)			123	130	138	147	158	171	184	199
DISCHARGE SUPERHEAT (°F)			53	49	47	46	47	50	54	60
SUCTION PRESSURE (PSIG)			123	132	140	147	152	156	159	161
SUCTION TEMPERATURE (°F)			66	66	66	67	68	68	70	72
SUCTION SUPERHEAT (°F)			24	20	17	15	14	13	14	15
OUTDOOR UNIT CURRENT (A)			7.0	7.7	8.4	9.3	10.2	11.2	12.4	13.6
COMPRESSOR CURRENT (A)			5.5	6.2	6.9	7.8	8.7	9.7	10.9	12.1
INDOOR COIL DB TEMP DROP (°F)		22	22	21	20	18	17	15	14	
950		DISCHARGE PRESSURE (PSIG)	203	240	281	324	371	422	475	532
		DISCHARGE TEMPERATURE (°F)	125	131	140	149	159	172	185	200
		DISCHARGE SUPERHEAT (°F)	54	50	48	47	48	51	55	61
		SUCTION PRESSURE (PSIG)	126	135	143	150	155	159	162	164
		SUCTION TEMPERATURE (°F)	68	68	68	69	70	70	72	74
		SUCTION SUPERHEAT (°F)	25	21	18	16	15	14	15	16
		OUTDOOR UNIT CURRENT (A)	7.5	8.2	8.9	9.8	10.7	11.7	12.9	14.1
		COMPRESSOR CURRENT (A)	5.5	6.2	6.9	7.8	8.7	9.7	10.9	12.1
INDOOR COIL DB TEMP DROP (°F)		20	20	19	18	16	15	13	12	
1150		DISCHARGE PRESSURE (PSIG)	204	241	282	325	372	423	476	533
		DISCHARGE TEMPERATURE (°F)	126	133	141	150	160	173	186	201
		DISCHARGE SUPERHEAT (°F)	55	51	49	48	49	52	56	62
		SUCTION PRESSURE (PSIG)	129	138	146	153	158	162	165	167
		SUCTION TEMPERATURE (°F)	71	70	70	71	72	72	74	76
		SUCTION SUPERHEAT (°F)	26	22	19	17	16	15	16	17
		OUTDOOR UNIT CURRENT (A)	8.0	8.7	9.4	10.3	11.2	12.2	13.4	14.6
		COMPRESSOR CURRENT (A)	5.5	6.2	6.9	7.8	8.7	9.7	10.9	12.1
INDOOR COIL DB TEMP DROP (°F)		18	18	17	16	14	13	11	10	

Extended cooling high-speed service data for use with models:

**PHE6A3021**

**PHG6A300502X1**

**PHG6A300752X1**

**PHE6A30 and PHG6A30**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	750	DISCHARGE PRESSURE (PSIG)	227	271	318	367	418	471	527
		DISCHARGE TEMPERATURE (°F)	119	134	149	163	176	188	199
		DISCHARGE SUPERHEAT (°F)	41	45	49	53	56	59	61
		SUCTION PRESSURE (PSIG)	112	123	133	141	147	151	154
		SUCTION TEMPERATURE (°F)	50	56	61	64	67	68	68
		SUCTION SUPERHEAT (°F)	13	14	15	15	15	15	14
		OUTDOOR UNIT CURRENT (A)	7.0	8.1	9.3	10.4	11.5	12.6	13.7
		COMPRESSOR CURRENT (A)	5.5	6.5	7.6	8.6	9.7	10.9	12.0
	INDOOR COIL DB TEMP DROP (°F)	35	36	36	35	33	30	26	
	950	DISCHARGE PRESSURE (PSIG)	230	274	321	370	421	474	530
		DISCHARGE TEMPERATURE (°F)	120	135	150	164	177	189	200
		DISCHARGE SUPERHEAT (°F)	41	45	49	53	56	59	61
		SUCTION PRESSURE (PSIG)	119	130	140	148	154	158	161
		SUCTION TEMPERATURE (°F)	54	60	65	68	70	72	72
		SUCTION SUPERHEAT (°F)	14	15	16	16	16	16	15
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.7	10.8	11.9	13.0	14.1
		COMPRESSOR CURRENT (A)	5.6	6.6	7.7	8.7	9.8	11.0	12.1
	INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	30	27	23	
	1150	DISCHARGE PRESSURE (PSIG)	233	277	324	373	424	477	533
		DISCHARGE TEMPERATURE (°F)	120	136	151	165	177	189	200
		DISCHARGE SUPERHEAT (°F)	41	45	49	53	56	59	61
		SUCTION PRESSURE (PSIG)	126	137	147	155	161	165	168
		SUCTION TEMPERATURE (°F)	58	64	69	72	74	75	75
		SUCTION SUPERHEAT (°F)	15	16	17	17	17	17	16
OUTDOOR UNIT CURRENT (A)		7.8	8.9	10.1	11.2	12.3	13.4	14.5	
COMPRESSOR CURRENT (A)		5.7	6.7	7.8	8.8	9.9	11.1	12.2	
INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	27	24	20		

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## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	750	DISCHARGE PRESSURE (PSIG)	228	272	317	365	415	468	522
		DISCHARGE TEMPERATURE (°F)	117	134	149	164	179	192	204
		DISCHARGE SUPERHEAT (°F)	39	44	49	54	59	63	67
		SUCTION PRESSURE (PSIG)	112	121	129	134	138	139	138
		SUCTION TEMPERATURE (°F)	48	53	58	61	62	63	62
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	7.0	8.1	9.2	10.2	11.3	12.4	13.4
		COMPRESSOR CURRENT (A)	5.6	6.5	7.6	8.6	9.7	10.8	11.9
		INDOOR COIL DB TEMP DROP (°F)	20	20	20	19	18	16	13
	950	DISCHARGE PRESSURE (PSIG)	229	273	318	366	416	469	523
		DISCHARGE TEMPERATURE (°F)	116	133	148	163	178	191	204
		DISCHARGE SUPERHEAT (°F)	38	43	48	53	58	62	66
		SUCTION PRESSURE (PSIG)	115	124	132	137	141	142	141
		SUCTION TEMPERATURE (°F)	50	55	59	62	63	64	63
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	7.4	8.5	9.6	10.6	11.7	12.8	13.8
		COMPRESSOR CURRENT (A)	5.6	6.5	7.6	8.6	9.7	10.8	11.9
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	17	16	14	11
	1150	DISCHARGE PRESSURE (PSIG)	230	274	319	367	417	470	524
		DISCHARGE TEMPERATURE (°F)	116	132	147	162	177	190	203
		DISCHARGE SUPERHEAT (°F)	37	42	47	52	57	61	65
		SUCTION PRESSURE (PSIG)	118	127	135	140	144	145	144
		SUCTION TEMPERATURE (°F)	51	56	60	63	65	65	65
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	7.8	8.9	10.0	11.0	12.1	13.2	14.2
		COMPRESSOR CURRENT (A)	5.6	6.5	7.6	8.6	9.7	10.8	11.9
		INDOOR COIL DB TEMP DROP (°F)	16	16	16	15	14	12	9
	90/62	750	DISCHARGE PRESSURE (PSIG)	233	276	322	370	420	472
DISCHARGE TEMPERATURE (°F)			116	133	147	161	175	186	198
DISCHARGE SUPERHEAT (°F)			37	42	46	50	54	57	60
SUCTION PRESSURE (PSIG)			122	132	140	146	150	151	150
SUCTION TEMPERATURE (°F)			53	58	61	63	65	65	65
SUCTION SUPERHEAT (°F)			11	12	12	12	12	12	12
OUTDOOR UNIT CURRENT (A)			7.1	8.2	9.3	10.4	11.5	12.5	13.6
COMPRESSOR CURRENT (A)			5.7	6.6	7.7	8.7	9.8	10.9	12.1
INDOOR COIL DB TEMP DROP (°F)			13	13	13	12	11	10	8
950		DISCHARGE PRESSURE (PSIG)	234	277	323	371	421	473	527
		DISCHARGE TEMPERATURE (°F)	117	133	147	161	175	187	198
		DISCHARGE SUPERHEAT (°F)	37	42	46	50	54	57	60
		SUCTION PRESSURE (PSIG)	125	135	143	149	153	154	153
		SUCTION TEMPERATURE (°F)	55	60	63	66	67	67	67
		SUCTION SUPERHEAT (°F)	12	13	13	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	7.5	8.6	9.7	10.8	11.9	12.9	14.0
		COMPRESSOR CURRENT (A)	5.7	6.6	7.7	8.7	9.8	10.9	12.1
		INDOOR COIL DB TEMP DROP (°F)	12	12	12	11	10	9	7
1150		DISCHARGE PRESSURE (PSIG)	235	278	324	372	422	474	528
		DISCHARGE TEMPERATURE (°F)	117	133	148	161	175	187	198
		DISCHARGE SUPERHEAT (°F)	37	42	46	50	54	57	60
		SUCTION PRESSURE (PSIG)	128	138	146	152	156	157	156
		SUCTION TEMPERATURE (°F)	57	62	65	68	69	69	69
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.1	11.2	12.3	13.3	14.4
		COMPRESSOR CURRENT (A)	5.7	6.6	7.7	8.7	9.8	10.9	12.1
		INDOOR COIL DB TEMP DROP (°F)	11	11	11	10	9	8	6



## PHE6A30 and PHG6A30 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	750	DISCHARGE PRESSURE (PSIG)	230	274	320	368	419	472	527
		DISCHARGE TEMPERATURE (°F)	119	134	149	163	175	187	198
		DISCHARGE SUPERHEAT (°F)	40	44	48	52	55	58	60
		SUCTION PRESSURE (PSIG)	118	129	138	146	151	154	155
		SUCTION TEMPERATURE (°F)	53	59	63	66	68	68	68
		SUCTION SUPERHEAT (°F)	13	14	15	15	15	14	13
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.4	11.5	12.6	13.6
		COMPRESSOR CURRENT (A)	5.6	6.6	7.6	8.6	9.7	10.8	12.0
	INDOOR COIL DB TEMP DROP (°F)	32	33	34	33	32	29	26	
	950	DISCHARGE PRESSURE (PSIG)	232	276	322	370	421	474	529
		DISCHARGE TEMPERATURE (°F)	119	135	149	163	176	188	199
		DISCHARGE SUPERHEAT (°F)	40	44	48	52	55	58	60
		SUCTION PRESSURE (PSIG)	123	134	143	151	156	159	160
		SUCTION TEMPERATURE (°F)	56	62	66	69	71	71	71
		SUCTION SUPERHEAT (°F)	14	15	16	16	16	15	14
		OUTDOOR UNIT CURRENT (A)	7.5	8.6	9.7	10.8	11.9	13.0	14.0
		COMPRESSOR CURRENT (A)	5.7	6.7	7.7	8.7	9.8	10.9	12.1
	INDOOR COIL DB TEMP DROP (°F)	30	31	32	31	30	27	24	
	1150	DISCHARGE PRESSURE (PSIG)	234	278	324	372	423	476	531
		DISCHARGE TEMPERATURE (°F)	120	135	150	163	176	188	199
		DISCHARGE SUPERHEAT (°F)	40	44	48	52	55	58	60
		SUCTION PRESSURE (PSIG)	128	139	148	156	161	164	165
		SUCTION TEMPERATURE (°F)	59	65	69	72	74	74	73
		SUCTION SUPERHEAT (°F)	15	16	17	17	17	16	15
		OUTDOOR UNIT CURRENT (A)	7.9	9.0	10.1	11.2	12.3	13.4	14.4
		COMPRESSOR CURRENT (A)	5.8	6.8	7.8	8.8	9.9	11.0	12.2
	INDOOR COIL DB TEMP DROP (°F)	28	29	30	29	28	25	22	
	70/62	750	DISCHARGE PRESSURE (PSIG)	234	278	324	373	423	475
DISCHARGE TEMPERATURE (°F)			120	135	150	164	176	187	198
DISCHARGE SUPERHEAT (°F)			40	44	48	52	55	57	59
SUCTION PRESSURE (PSIG)			128	140	149	156	161	163	163
SUCTION TEMPERATURE (°F)			58	64	69	71	73	73	72
SUCTION SUPERHEAT (°F)			14	15	16	16	16	15	14
OUTDOOR UNIT CURRENT (A)			7.2	8.3	9.4	10.5	11.6	12.6	13.7
COMPRESSOR CURRENT (A)			5.7	6.7	7.8	8.8	9.9	11.0	12.1
INDOOR COIL DB TEMP DROP (°F)		28	29	29	29	27	25	22	
950		DISCHARGE PRESSURE (PSIG)	236	280	326	375	425	477	532
		DISCHARGE TEMPERATURE (°F)	121	136	151	165	177	188	199
		DISCHARGE SUPERHEAT (°F)	41	45	49	53	56	58	60
		SUCTION PRESSURE (PSIG)	131	143	152	159	164	166	166
		SUCTION TEMPERATURE (°F)	61	67	72	74	76	76	75
		SUCTION SUPERHEAT (°F)	16	17	18	18	18	17	16
		OUTDOOR UNIT CURRENT (A)	7.6	8.7	9.8	10.9	12.0	13.0	14.1
		COMPRESSOR CURRENT (A)	5.7	6.7	7.8	8.8	9.9	11.0	12.1
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	25	23	20	
1150		DISCHARGE PRESSURE (PSIG)	238	282	328	377	427	479	534
		DISCHARGE TEMPERATURE (°F)	123	138	152	166	179	190	200
		DISCHARGE SUPERHEAT (°F)	42	46	50	54	57	59	61
		SUCTION PRESSURE (PSIG)	134	146	155	162	167	169	169
		SUCTION TEMPERATURE (°F)	65	70	75	77	79	79	78
		SUCTION SUPERHEAT (°F)	18	19	20	20	20	19	18
		OUTDOOR UNIT CURRENT (A)	8.0	9.1	10.2	11.3	12.4	13.4	14.5
		COMPRESSOR CURRENT (A)	5.7	6.7	7.8	8.8	9.9	11.0	12.1
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	23	21	18	

Standard heating low-speed service data for use with models:

**PHE6A3021**

**PHG6A300502X1**

**PHG6A300752X1**

<b>PHE6A30 AND PHG6A30 SUPERHEAT CHARGING CHART</b>			
<b>INDOOR WET BULB (°F)</b>	<b>OUTDOOR AMBIENT DB (°F)</b>		
	<b>60</b>	<b>47</b>	<b>40</b>
60	360 (22)	328 (20)	319 (21)
65	378 (22)	347 (21)	337 (21)
70	396 (22)	366 (22)	355 (22)
75	414 (22)	385 (22)	373 (22)
80	432 (22)	404 (22)	391 (22)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6A30 and PHG6A30**

<b>ID DB/ID WB (°F)</b>	<b>ID AIRFLOW (SCFM)</b>	<b>OUTDOOR TEMPERATURE DB (°F)</b>	<b>HEATING SERVICE DATA</b>		
			<b>60</b>	<b>47</b>	<b>40</b>
60	950	Suction Prs./Temp.	136 / 47	110 / 36	96 / 30
		Liquid Prs./Temp.	297 / 78	275 / 73	268 / 71
		ID Air DB Temp. Rise	26	20	17
		Total Amp./Comp Amp.	6.9 / 5.2	6.8 / 5.1	6.9 / 5.1
	750	Suction Prs./Temp.	137 / 48	111 / 37	97 / 30
		Liquid Prs./Temp.	342 / 84	310 / 79	301 / 76
		ID Air DB Temp. Rise	34	27	23
		Total Amp./Comp Amp.	7.6 / 6.1	7.2 / 5.8	7.2 / 5.8
	550	Suction Prs./Temp.	138 / 48	112 / 37	97 / 30
		Liquid Prs./Temp.	387 / 91	346 / 84	334 / 81
		ID Air DB Temp. Rise	42	34	29
		Total Amp./Comp Amp.	8.2 / 7	7.7 / 6.5	7.6 / 6.4
70	950	Suction Prs./Temp.	138 / 48	111 / 37	98 / 30
		Liquid Prs./Temp.	338 / 86	318 / 82	310 / 80
		ID Air DB Temp. Rise	25	19	16
		Total Amp./Comp Amp.	7.7 / 6	7.7 / 5.9	7.7 / 5.9
	750	Suction Prs./Temp.	139 / 48	112 / 37	98 / 30
		Liquid Prs./Temp.	387 / 92	357 / 87	346 / 84
		ID Air DB Temp. Rise	32	25	21
		Total Amp./Comp Amp.	8.4 / 7	8.2 / 6.7	8.1 / 6.6
	550	Suction Prs./Temp.	140 / 49	113 / 37	99 / 31
		Liquid Prs./Temp.	436 / 98	397 / 92	382 / 89
		ID Air DB Temp. Rise	40	32	27
		Total Amp./Comp Amp.	9.1 / 7.9	8.6 / 7.4	8.5 / 7.3
80	950	Suction Prs./Temp.	139 / 48	112 / 37	99 / 31
		Liquid Prs./Temp.	380 / 95	361 / 91	353 / 88
		ID Air DB Temp. Rise	23	18	14
		Total Amp./Comp Amp.	8.6 / 6.8	8.5 / 6.7	8.5 / 6.7
	750	Suction Prs./Temp.	140 / 49	113 / 37	100 / 31
		Liquid Prs./Temp.	432 / 100	404 / 95	391 / 93
		ID Air DB Temp. Rise	30	24	20
		Total Amp./Comp Amp.	9.3 / 7.8	9.1 / 7.6	9 / 7.5
	550	Suction Prs./Temp.	141 / 49	114 / 38	100 / 32
		Liquid Prs./Temp.	485 / 105	447 / 100	430 / 97
		ID Air DB Temp. Rise	38	30	25
		Total Amp./Comp Amp.	10.1 / 8.9	9.6 / 8.4	9.4 / 8.2

Extended heating low-speed service data for use with models:

**PHE6A3021**

**PHG6A300502X1**

**PHG6A300752X1**

**PHE6A30 and PHG6A30**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
2.5	750	60	MBH	9.9	12.3	14.8	17.3	21.8	25.7	31.5	36.6
			KW	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.3
		70	MBH	9.5	12.0	14.5	17.0	19.8	24.8	30.1	34.8
			KW	1.9	2.0	2.0	2.2	2.3	2.4	2.4	2.6
		80	MBH	9.6	12.0	14.4	16.8	17.8	23.9	28.6	32.9
			KW	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.8
	950	60	MBH	9.8	12.2	14.6	17.0	21.3	26.7	32.2	37.7
			KW	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2
		70	MBH	9.5	12.1	14.8	17.5	21.7	25.9	30.1	34.3
			KW	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.4
		80	MBH	9.2	12.1	15.0	17.9	22.1	25.0	27.9	30.9
			KW	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.6
	1150	60	MBH	9.6	12.0	14.4	16.8	20.7	25.2	32.8	38.5
			KW	1.8	1.8	1.9	1.9	1.9	2.0	2.1	2.1
		70	MBH	9.0	11.5	14.0	16.5	18.6	24.3	31.4	38.5
			KW	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.3
		80	MBH	9.0	11.4	13.8	16.2	16.4	23.4	30.0	38.5
			KW	2.0	2.1	2.2	2.3	2.4	2.4	2.5	2.6

Standard heating high-speed service data for use with models:

**PHE6A3021**  
**PHG6A300502X1**  
**PHG6A300752X1**

PHE6A30 AND PHG6A30 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	358 (19)	332 (20)	324 (23)	304 (22)	285 (21)
65	377 (20)	350 (21)	343 (24)	322 (23)	300 (22)
70	395 (20)	368 (21)	362 (24)	340 (23)	316 (22)
75	414 (21)	386 (21)	381 (25)	358 (24)	331 (22)
80	433 (21)	404 (21)	400 (25)	376 (24)	347 (22)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6A30 and PHG6A30**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1150	Suction Prs./Temp.	130 / 45	105 / 34	83 / 23	70 / 15	57 / 6	45 / -3
		Liquid Prs./Temp.	305 / 80	286 / 75	278 / 70	262 / 68	251 / 66	237 / 63
		ID Air DB Temp. Rise	29	23	19	19	11	8
		Total Amp./Comp Amp.	10 / 7.4	9.6 / 7	9.4 / 6.8	9.2 / 6.6	9 / 6.4	8.8 / 6.1
	950	Suction Prs./Temp.	131 / 45	105 / 34	87 / 24	72 / 16	57 / 6	47 / -2
		Liquid Prs./Temp.	340 / 86	314 / 80	306 / 75	286 / 72	270 / 68	255 / 65
		ID Air DB Temp. Rise	36	29	25	25	15	11
		Total Amp./Comp Amp.	10.2 / 8.1	9.6 / 7.6	9.5 / 7.4	9.2 / 7.1	8.9 / 6.8	8.6 / 6.5
	750	Suction Prs./Temp.	132 / 46	106 / 34	90 / 26	75 / 18	58 / 7	49 / 0
		Liquid Prs./Temp.	374 / 91	343 / 84	333 / 80	311 / 76	289 / 71	273 / 68
		ID Air DB Temp. Rise	43	35	30	30	18	14
		Total Amp./Comp Amp.	10.3 / 8.8	9.7 / 8.1	9.5 / 7.9	9.2 / 7.6	8.8 / 7.1	8.4 / 6.8
70	1150	Suction Prs./Temp.	131 / 45	105 / 34	87 / 25	68 / 14	55 / 5	46 / -3
		Liquid Prs./Temp.	351 / 88	329 / 84	322 / 79	303 / 76	287 / 74	276 / 71
		ID Air DB Temp. Rise	28	22	18	18	10	7
		Total Amp./Comp Amp.	10.9 / 8.3	10.5 / 7.9	10.3 / 7.7	10 / 7.4	9.7 / 7.1	9.5 / 6.9
	950	Suction Prs./Temp.	132 / 46	106 / 34	90 / 26	71 / 15	56 / 6	47 / -1
		Liquid Prs./Temp.	386 / 94	359 / 88	353 / 83	331 / 80	308 / 76	295 / 74
		ID Air DB Temp. Rise	34	28	23	23	13	10
		Total Amp./Comp Amp.	11.1 / 9.1	10.6 / 8.5	10.4 / 8.4	10.1 / 8	9.6 / 7.5	9.3 / 7.2
	750	Suction Prs./Temp.	133 / 46	106 / 34	92 / 27	73 / 17	58 / 7	48 / 0
		Liquid Prs./Temp.	422 / 99	390 / 92	384 / 88	359 / 83	330 / 79	313 / 76
		ID Air DB Temp. Rise	41	33	29	29	16	13
		Total Amp./Comp Amp.	11.4 / 9.9	10.7 / 9.1	10.6 / 9	10.1 / 8.5	9.5 / 7.9	9.2 / 7.6
80	1150	Suction Prs./Temp.	133 / 46	106 / 34	91 / 27	67 / 13	54 / 4	46 / -2
		Liquid Prs./Temp.	396 / 97	372 / 92	366 / 88	345 / 85	324 / 82	315 / 80
		ID Air DB Temp. Rise	26	20	17	17	8	6
		Total Amp./Comp Amp.	11.8 / 9.2	11.3 / 8.8	11.2 / 8.6	10.8 / 8.2	10.4 / 7.8	10.2 / 7.6
	950	Suction Prs./Temp.	133 / 46	107 / 35	92 / 27	69 / 14	55 / 5	47 / -1
		Liquid Prs./Temp.	433 / 102	404 / 96	400 / 92	376 / 88	347 / 84	335 / 82
		ID Air DB Temp. Rise	33	26	22	22	11	9
		Total Amp./Comp Amp.	12.1 / 10.1	11.5 / 9.5	11.4 / 9.4	11 / 8.9	10.4 / 8.3	10.1 / 8
	750	Suction Prs./Temp.	133 / 46	107 / 35	93 / 28	71 / 16	57 / 6	48 / 0
		Liquid Prs./Temp.	470 / 107	437 / 100	435 / 96	408 / 91	371 / 87	354 / 85
		ID Air DB Temp. Rise	39	31	28	28	15	11
		Total Amp./Comp Amp.	12.5 / 10.9	11.7 / 10.2	11.7 / 10.1	11.1 / 9.5	10.3 / 8.7	9.9 / 8.4

Standard cooling low-speed service data for use with models:

PHE6B3621  
 PHE6B3631  
 PHE6B3641  
 PHG6B360502X1  
 PHG6B360752X1  
 PHG6B361002X1  
 PHG6B360503X1  
 PHG6B360753X1  
 PHG6B361003X1  
 PHG6B360504X1  
 PHG6B360754X1  
 PHG6B361004X1

PHE6B36 AND PHG6B36 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	181 (37)	183 (35)	186 (35)	188 (34)
60	197 (38)	198 (36)	201 (35)	204 (34)
65	213 (40)	215 (37)	218 (35)	220 (34)
70	231 (41)	232 (38)	235 (36)	238 (34)
75	250 (43)	250 (40)	253 (37)	257 (35)
80	269 (44)	270 (42)	273 (38)	276 (36)
85	290 (46)	290 (44)	293 (40)	297 (37)
90	312 (49)	312 (46)	315 (42)	319 (39)
95	334 (51)	335 (49)	338 (45)	341 (41)
100	358 (54)	358 (52)	361 (48)	365 (43)
105	383 (56)	383 (55)	386 (51)	390 (46)
110	408 (59)	408 (58)	411 (54)	416 (49)
115	435 (63)	435 (62)	438 (58)	442 (52)
120	463 (66)	463 (66)	466 (62)	470 (56)
125	492 (70)	491 (70)	495 (67)	499 (60)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B36 and PHG6B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	DISCHARGE PRESSURE (PSIG)	182	214	249	289	333	381	433	489
		DISCHARGE TEMPERATURE (°F)	102	113	126	141	155	172	190	208
		DISCHARGE SUPERHEAT (°F)	38	39	42	47	52	59	67	76
		SUCTION PRESSURE (PSIG)	119	123	126	129	133	136	140	143
		SUCTION TEMPERATURE (°F)	53	55	56	59	61	63	67	70
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	5.6	6.1	6.7	7.4	8.3	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	3.7	4.2	4.9	5.6	6.5	7.5	8.7	9.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	19
	800	DISCHARGE PRESSURE (PSIG)	183	215	250	290	334	382	434	490
		DISCHARGE TEMPERATURE (°F)	100	111	124	139	154	170	188	206
		DISCHARGE SUPERHEAT (°F)	36	37	40	45	50	57	65	74
		SUCTION PRESSURE (PSIG)	125	129	132	135	139	142	146	149
		SUCTION TEMPERATURE (°F)	56	58	59	61	64	66	69	73
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.5	8.4	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.9	5.6	6.5	7.5	8.7	9.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	17
	1000	DISCHARGE PRESSURE (PSIG)	184	216	251	291	335	383	435	491
		DISCHARGE TEMPERATURE (°F)	99	110	122	137	152	169	186	205
		DISCHARGE SUPERHEAT (°F)	34	35	38	43	48	55	63	72
		SUCTION PRESSURE (PSIG)	131	135	138	141	145	148	152	155
		SUCTION TEMPERATURE (°F)	58	60	61	63	66	68	72	75
		SUCTION SUPERHEAT (°F)	13	13	13	14	15	16	18	20
OUTDOOR UNIT CURRENT (A)		5.8	6.3	6.9	7.6	8.5	9.5	10.6	11.9	
COMPRESSOR CURRENT (A)		3.7	4.2	4.9	5.6	6.5	7.5	8.7	9.9	
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	20	18	17	15	

Continued on next page

## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	DISCHARGE PRESSURE (PSIG)	178	210	247	287	331	380	432	489
		DISCHARGE TEMPERATURE (°F)	105	118	131	144	159	174	191	207
		DISCHARGE SUPERHEAT (°F)	42	45	48	51	56	61	68	75
		SUCTION PRESSURE (PSIG)	109	113	117	122	126	132	137	143
		SUCTION TEMPERATURE (°F)	50	52	54	57	59	64	67	71
		SUCTION SUPERHEAT (°F)	14	14	15	15	16	18	19	21
		OUTDOOR UNIT CURRENT (A)	5.6	6.1	6.8	7.5	8.4	9.3	10.4	11.6
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.8	6.7	7.7	8.8	10.0
	INDOOR COIL DB TEMP DROP (°F)	37	36	34	33	31	29	26	24	
	800	DISCHARGE PRESSURE (PSIG)	181	213	250	290	334	383	435	492
		DISCHARGE TEMPERATURE (°F)	101	114	127	140	155	170	186	203
		DISCHARGE SUPERHEAT (°F)	37	40	43	46	51	56	63	70
		SUCTION PRESSURE (PSIG)	120	124	128	133	137	143	148	154
		SUCTION TEMPERATURE (°F)	51	53	55	57	60	64	67	71
		SUCTION SUPERHEAT (°F)	10	10	11	11	12	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.9	7.6	8.5	9.4	10.5	11.7
		COMPRESSOR CURRENT (A)	3.8	4.3	5.0	5.7	6.6	7.6	8.7	9.9
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	27	25	22	20	
	1000	DISCHARGE PRESSURE (PSIG)	184	216	253	293	337	386	438	495
		DISCHARGE TEMPERATURE (°F)	97	110	123	136	150	165	182	198
		DISCHARGE SUPERHEAT (°F)	32	35	38	41	46	51	58	65
		SUCTION PRESSURE (PSIG)	131	135	139	144	148	154	159	165
		SUCTION TEMPERATURE (°F)	51	53	56	58	60	64	67	71
		SUCTION SUPERHEAT (°F)	6	6	7	7	8	10	11	13
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	7.0	7.7	8.6	9.5	10.6	11.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.9	5.6	6.5	7.5	8.6	9.8
	INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	23	21	18	16	
	80/62	600	DISCHARGE PRESSURE (PSIG)	181	213	248	288	333	381	433
DISCHARGE TEMPERATURE (°F)			102	114	126	140	155	171	188	205
DISCHARGE SUPERHEAT (°F)			38	40	43	47	52	58	65	73
SUCTION PRESSURE (PSIG)			119	122	125	129	133	138	143	148
SUCTION TEMPERATURE (°F)			54	56	57	59	61	65	68	72
SUCTION SUPERHEAT (°F)			14	14	14	14	15	17	18	20
OUTDOOR UNIT CURRENT (A)			5.6	6.1	6.7	7.5	8.3	9.3	10.4	11.6
COMPRESSOR CURRENT (A)			3.7	4.2	4.9	5.7	6.5	7.5	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		33	33	32	30	29	27	25	22	
800		DISCHARGE PRESSURE (PSIG)	183	215	250	290	335	383	435	491
		DISCHARGE TEMPERATURE (°F)	99	111	124	138	153	169	185	203
		DISCHARGE SUPERHEAT (°F)	35	37	40	44	49	55	62	70
		SUCTION PRESSURE (PSIG)	126	129	132	136	140	145	150	155
		SUCTION TEMPERATURE (°F)	56	58	59	60	63	67	70	74
		SUCTION SUPERHEAT (°F)	13	13	13	13	14	16	17	19
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.6	8.4	9.4	10.5	11.7
		COMPRESSOR CURRENT (A)	3.7	4.2	4.9	5.7	6.5	7.5	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		30	30	29	27	26	24	22	19	
1000		DISCHARGE PRESSURE (PSIG)	185	217	252	292	337	385	437	493
		DISCHARGE TEMPERATURE (°F)	97	109	121	135	150	166	183	200
		DISCHARGE SUPERHEAT (°F)	32	34	37	41	46	52	59	67
		SUCTION PRESSURE (PSIG)	133	136	139	143	147	152	157	162
		SUCTION TEMPERATURE (°F)	59	60	62	63	66	70	72	76
		SUCTION SUPERHEAT (°F)	13	13	13	13	14	16	17	19
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	6.9	7.7	8.5	9.5	10.6	11.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.9	5.7	6.5	7.5	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		27	27	26	24	23	21	19	16	

Continued on next page

## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	DISCHARGE PRESSURE (PSIG)	185	217	252	292	337	385	437	494
		DISCHARGE TEMPERATURE (°F)	102	112	123	136	151	167	184	202
		DISCHARGE SUPERHEAT (°F)	37	37	39	42	47	53	60	69
		SUCTION PRESSURE (PSIG)	130	134	138	141	145	148	151	154
		SUCTION TEMPERATURE (°F)	59	60	60	61	64	66	69	73
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	5.5	6.0	6.6	7.4	8.2	9.2	10.3	11.6
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.6	6.4	7.4	8.6	9.8
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	21	20	
	800	DISCHARGE PRESSURE (PSIG)	186	218	253	293	338	386	438	495
		DISCHARGE TEMPERATURE (°F)	100	110	122	135	150	165	182	200
		DISCHARGE SUPERHEAT (°F)	35	35	37	40	45	51	58	67
		SUCTION PRESSURE (PSIG)	136	140	144	147	151	154	157	160
		SUCTION TEMPERATURE (°F)	61	62	63	64	66	68	71	76
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	5.6	6.1	6.7	7.5	8.3	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.6	6.4	7.4	8.6	9.8
	INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	19	18	
	1000	DISCHARGE PRESSURE (PSIG)	187	219	254	294	339	387	439	496
		DISCHARGE TEMPERATURE (°F)	99	108	120	133	148	163	180	198
		DISCHARGE SUPERHEAT (°F)	33	33	35	38	43	49	56	65
		SUCTION PRESSURE (PSIG)	142	146	150	153	157	160	163	166
		SUCTION TEMPERATURE (°F)	64	64	65	66	68	71	74	78
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.6	8.4	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	3.7	4.2	4.8	5.6	6.4	7.4	8.6	9.8
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	17	16	
	80/72	600	DISCHARGE PRESSURE (PSIG)	187	219	256	296	340	389	441
DISCHARGE TEMPERATURE (°F)			101	110	121	133	147	162	177	195
DISCHARGE SUPERHEAT (°F)			35	35	36	38	42	47	53	61
SUCTION PRESSURE (PSIG)			141	146	151	156	160	163	166	168
SUCTION TEMPERATURE (°F)			63	64	65	67	70	72	74	76
SUCTION SUPERHEAT (°F)			14	13	12	12	13	14	15	17
OUTDOOR UNIT CURRENT (A)			5.5	5.9	6.5	7.2	8.1	9.1	10.2	11.5
COMPRESSOR CURRENT (A)			3.6	4.1	4.7	5.4	6.3	7.3	8.5	9.7
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	19	18	17	15	
800		DISCHARGE PRESSURE (PSIG)	188	220	257	297	341	390	442	499
		DISCHARGE TEMPERATURE (°F)	100	110	121	132	146	161	176	194
		DISCHARGE SUPERHEAT (°F)	34	34	35	37	41	46	52	60
		SUCTION PRESSURE (PSIG)	146	151	156	161	165	168	171	173
		SUCTION TEMPERATURE (°F)	65	66	67	69	71	73	75	78
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.6	6.0	6.6	7.3	8.2	9.2	10.3	11.6
		COMPRESSOR CURRENT (A)	3.6	4.1	4.7	5.4	6.3	7.3	8.5	9.7
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	17	16	15	13	
1000		DISCHARGE PRESSURE (PSIG)	189	221	258	298	342	391	443	500
		DISCHARGE TEMPERATURE (°F)	99	109	120	132	145	160	176	193
		DISCHARGE SUPERHEAT (°F)	33	33	34	36	40	45	51	59
		SUCTION PRESSURE (PSIG)	151	156	161	166	170	173	176	178
		SUCTION TEMPERATURE (°F)	67	68	69	71	73	75	77	80
		SUCTION SUPERHEAT (°F)	14	13	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.7	7.4	8.3	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	3.6	4.1	4.7	5.4	6.3	7.3	8.5	9.7
INDOOR COIL DB TEMP DROP (°F)		19	18	17	16	15	14	13	11	

Extended cooling low-speed service data for use with models:

**PHE6B3621**

**PHE6B3631**

**PHE6B3641**

**PHG6B360502X1**

**PHG6B360752X1**

**PHG6B361002X1**

**PHG6B360503X1**

**PHG6B360753X1**

**PHG6B361003X1**

**PHG6B360504X1**

**PHG6B360754X1**

**PHG6B361004X1**

**PHE6B36 and PHG6B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	600	DISCHARGE PRESSURE (PSIG)	206	248	292	338	387	439	492
		DISCHARGE TEMPERATURE (°F)	107	123	138	154	168	182	196
		DISCHARGE SUPERHEAT (°F)	35	40	44	49	54	58	63
		SUCTION PRESSURE (PSIG)	118	130	140	148	154	158	160
		SUCTION TEMPERATURE (°F)	51	57	62	66	69	72	73
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	16
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.4	8.4	9.4	10.4	11.4
		COMPRESSOR CURRENT (A)	4.0	4.9	5.7	6.7	7.6	8.7	9.8
		INDOOR COIL DB TEMP DROP (°F)	35	36	36	35	34	31	27
	800	DISCHARGE PRESSURE (PSIG)	209	251	295	341	390	442	495
		DISCHARGE TEMPERATURE (°F)	105	121	136	151	166	179	193
		DISCHARGE SUPERHEAT (°F)	32	37	41	46	51	55	60
		SUCTION PRESSURE (PSIG)	127	139	149	157	163	167	169
		SUCTION TEMPERATURE (°F)	55	61	66	69	73	75	76
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	16
		OUTDOOR UNIT CURRENT (A)	5.7	6.6	7.5	8.5	9.5	10.5	11.5
		COMPRESSOR CURRENT (A)	3.9	4.8	5.6	6.6	7.5	8.6	9.7
		INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	31	28	24
	1000	DISCHARGE PRESSURE (PSIG)	212	254	298	344	393	445	498
		DISCHARGE TEMPERATURE (°F)	102	119	134	149	164	177	191
		DISCHARGE SUPERHEAT (°F)	29	34	38	43	48	52	57
		SUCTION PRESSURE (PSIG)	136	148	158	166	172	176	178
		SUCTION TEMPERATURE (°F)	58	64	69	73	76	78	79
		SUCTION SUPERHEAT (°F)	11	12	13	14	15	16	16
		OUTDOOR UNIT CURRENT (A)	5.8	6.7	7.6	8.6	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	3.8	4.7	5.5	6.5	7.4	8.5	9.6
		INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	28	25	21

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## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	600	DISCHARGE PRESSURE (PSIG)	206	247	290	336	385	435	489
		DISCHARGE TEMPERATURE (°F)	107	124	141	158	174	190	207
		DISCHARGE SUPERHEAT (°F)	35	41	47	54	60	67	75
		SUCTION PRESSURE (PSIG)	115	125	132	138	142	143	142
		SUCTION TEMPERATURE (°F)	50	55	60	63	66	67	68
		SUCTION SUPERHEAT (°F)	11	12	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.5	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	4.0	4.8	5.7	6.7	7.7	8.8	9.9
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	17	16	13	
	800	DISCHARGE PRESSURE (PSIG)	207	248	291	337	386	436	490
		DISCHARGE TEMPERATURE (°F)	105	122	139	156	172	188	205
		DISCHARGE SUPERHEAT (°F)	33	39	45	52	58	65	73
		SUCTION PRESSURE (PSIG)	119	129	136	142	146	147	146
		SUCTION TEMPERATURE (°F)	51	57	61	65	67	69	69
		SUCTION SUPERHEAT (°F)	11	12	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.7	6.7	7.6	8.6	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	4.0	4.8	5.7	6.7	7.7	8.8	9.9
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	16	15	12	
	1000	DISCHARGE PRESSURE (PSIG)	208	249	292	338	387	437	491
		DISCHARGE TEMPERATURE (°F)	103	121	137	155	170	187	204
		DISCHARGE SUPERHEAT (°F)	31	37	43	50	56	63	71
		SUCTION PRESSURE (PSIG)	123	133	140	146	150	151	150
		SUCTION TEMPERATURE (°F)	53	58	63	66	69	70	71
		SUCTION SUPERHEAT (°F)	11	12	14	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	5.8	6.8	7.7	8.7	9.7	10.8	11.8
		COMPRESSOR CURRENT (A)	4.0	4.8	5.7	6.7	7.7	8.8	9.9
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	15	14	11	
	90/62	600	DISCHARGE PRESSURE (PSIG)	209	250	294	340	389	440
DISCHARGE TEMPERATURE (°F)			105	121	137	153	168	183	198
DISCHARGE SUPERHEAT (°F)			32	37	42	48	53	59	65
SUCTION PRESSURE (PSIG)			125	136	145	151	155	157	156
SUCTION TEMPERATURE (°F)			54	60	65	67	70	71	71
SUCTION SUPERHEAT (°F)			11	13	14	14	15	16	16
OUTDOOR UNIT CURRENT (A)			5.5	6.5	7.5	8.4	9.4	10.5	11.5
COMPRESSOR CURRENT (A)			3.9	4.7	5.6	6.6	7.6	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		14	14	14	14	12	11	9	
800		DISCHARGE PRESSURE (PSIG)	210	251	295	341	390	441	494
		DISCHARGE TEMPERATURE (°F)	104	120	136	152	167	182	197
		DISCHARGE SUPERHEAT (°F)	31	36	41	47	52	58	64
		SUCTION PRESSURE (PSIG)	129	140	149	155	159	161	160
		SUCTION TEMPERATURE (°F)	56	62	67	69	71	73	73
		SUCTION SUPERHEAT (°F)	11	13	14	14	15	16	16
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.6	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	3.9	4.7	5.6	6.6	7.6	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		13	13	13	13	11	10	8	
1000		DISCHARGE PRESSURE (PSIG)	211	252	296	342	391	442	495
		DISCHARGE TEMPERATURE (°F)	103	119	135	151	166	181	196
		DISCHARGE SUPERHEAT (°F)	30	35	40	46	51	57	63
		SUCTION PRESSURE (PSIG)	133	144	153	159	163	165	164
		SUCTION TEMPERATURE (°F)	57	64	68	70	73	74	74
		SUCTION SUPERHEAT (°F)	11	13	14	14	15	16	16
		OUTDOOR UNIT CURRENT (A)	5.7	6.7	7.7	8.6	9.6	10.7	11.7
		COMPRESSOR CURRENT (A)	3.9	4.7	5.6	6.6	7.6	8.6	9.8
INDOOR COIL DB TEMP DROP (°F)		12	12	12	12	10	9	7	

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## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	600	DISCHARGE PRESSURE (PSIG)	208	249	293	340	389	440	494
		DISCHARGE TEMPERATURE (°F)	105	122	138	153	168	182	197
		DISCHARGE SUPERHEAT (°F)	33	38	43	48	53	58	64
		SUCTION PRESSURE (PSIG)	123	135	145	152	157	160	160
		SUCTION TEMPERATURE (°F)	52	59	64	68	70	73	74
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.5	6.4	7.4	8.4	9.4	10.4	11.4
		COMPRESSOR CURRENT (A)	4.0	4.8	5.7	6.6	7.6	8.7	9.8
		INDOOR COIL DB TEMP DROP (°F)	34	35	35	35	33	31	27
	800	DISCHARGE PRESSURE (PSIG)	210	251	295	342	391	442	496
		DISCHARGE TEMPERATURE (°F)	103	119	135	150	165	179	194
		DISCHARGE SUPERHEAT (°F)	30	35	40	45	50	55	61
		SUCTION PRESSURE (PSIG)	131	143	153	160	165	168	168
		SUCTION TEMPERATURE (°F)	55	62	67	71	73	75	76
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.6	6.5	7.5	8.5	9.5	10.5	11.5
		COMPRESSOR CURRENT (A)	3.9	4.7	5.6	6.5	7.5	8.6	9.7
		INDOOR COIL DB TEMP DROP (°F)	31	32	32	32	30	28	24
	1000	DISCHARGE PRESSURE (PSIG)	212	253	297	344	393	444	498
		DISCHARGE TEMPERATURE (°F)	100	117	132	148	163	177	192
		DISCHARGE SUPERHEAT (°F)	27	32	37	42	47	52	58
		SUCTION PRESSURE (PSIG)	139	151	161	168	173	176	176
		SUCTION TEMPERATURE (°F)	59	65	70	73	76	78	79
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	5.7	6.6	7.6	8.6	9.6	10.6	11.6
		COMPRESSOR CURRENT (A)	3.8	4.6	5.5	6.4	7.4	8.5	9.6
		INDOOR COIL DB TEMP DROP (°F)	28	29	29	29	27	25	21
	70/62	600	DISCHARGE PRESSURE (PSIG)	212	254	298	344	392	443
DISCHARGE TEMPERATURE (°F)			102	118	134	149	163	178	192
DISCHARGE SUPERHEAT (°F)			29	33	38	43	48	53	59
SUCTION PRESSURE (PSIG)			137	149	158	165	168	170	168
SUCTION TEMPERATURE (°F)			58	65	69	72	74	75	75
SUCTION SUPERHEAT (°F)			10	12	13	14	15	15	16
OUTDOOR UNIT CURRENT (A)			5.4	6.4	7.3	8.3	9.3	10.4	11.4
COMPRESSOR CURRENT (A)			3.8	4.6	5.5	6.4	7.5	8.5	9.7
INDOOR COIL DB TEMP DROP (°F)			29	30	30	30	29	27	24
800		DISCHARGE PRESSURE (PSIG)	213	255	299	345	393	444	497
		DISCHARGE TEMPERATURE (°F)	102	117	133	148	163	177	192
		DISCHARGE SUPERHEAT (°F)	28	32	37	42	47	52	58
		SUCTION PRESSURE (PSIG)	142	154	163	170	173	175	173
		SUCTION TEMPERATURE (°F)	60	66	71	74	76	77	77
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.5	6.5	7.4	8.4	9.4	10.5	11.5
		COMPRESSOR CURRENT (A)	3.8	4.6	5.5	6.4	7.5	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	27	28	28	28	27	25	22
1000		DISCHARGE PRESSURE (PSIG)	214	256	300	346	394	445	498
		DISCHARGE TEMPERATURE (°F)	101	116	132	147	162	176	191
		DISCHARGE SUPERHEAT (°F)	27	31	36	41	46	51	57
		SUCTION PRESSURE (PSIG)	147	159	168	175	178	180	178
		SUCTION TEMPERATURE (°F)	62	68	72	76	78	78	79
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	15	16
		OUTDOOR UNIT CURRENT (A)	5.6	6.6	7.5	8.5	9.5	10.6	11.6
		COMPRESSOR CURRENT (A)	3.8	4.6	5.5	6.4	7.5	8.5	9.7
		INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	23	20

Standard cooling high-speed service data for use with models:

PHE6B3621  
PHE6B3631  
PHE6B3641  
PHG6B360502X1  
PHG6B360752X1  
PHG6B361002X1  
PHG6B360503X1  
PHG6B360753X1  
PHG6B361003X1  
PHG6B360504X1  
PHG6B360754X1  
PHG6B361004X1

PHE6B36 AND PHG6B36 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	197 (42)	199 (42)	202 (42)	204 (44)
60	213 (42)	215 (41)	218 (41)	220 (43)
65	230 (42)	232 (41)	236 (41)	237 (41)
70	248 (42)	250 (41)	254 (40)	255 (41)
75	267 (42)	269 (42)	273 (40)	275 (40)
80	287 (43)	289 (43)	293 (41)	295 (40)
85	308 (44)	310 (44)	314 (41)	316 (40)
90	331 (45)	332 (45)	337 (42)	339 (41)
95	354 (46)	355 (46)	360 (43)	362 (42)
100	378 (48)	380 (48)	384 (45)	386 (43)
105	404 (50)	405 (50)	409 (47)	412 (44)
110	430 (52)	431 (53)	435 (49)	438 (46)
115	457 (54)	459 (55)	462 (52)	466 (48)
120	486 (57)	487 (58)	490 (55)	495 (51)
125	515 (59)	517 (61)	519 (58)	524 (54)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B36 and PHG6B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	DISCHARGE PRESSURE (PSIG)	198	230	267	308	353	403	456	514
		DISCHARGE TEMPERATURE (°F)	111	120	130	142	155	168	183	198
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	56	62
		SUCTION PRESSURE (PSIG)	126	130	134	137	140	142	143	145
		SUCTION TEMPERATURE (°F)	57	59	61	62	63	65	66	68
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.3	13.3	14.2	15.1	16.0	16.7
		COMPRESSOR CURRENT (A)	7.4	8.5	9.6	10.6	11.5	12.4	13.3	14.1
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	20	19
	1200	DISCHARGE PRESSURE (PSIG)	199	231	268	309	354	404	457	515
		DISCHARGE TEMPERATURE (°F)	111	120	131	142	155	169	183	198
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	47	51	56	62
		SUCTION PRESSURE (PSIG)	127	131	135	138	141	143	144	146
		SUCTION TEMPERATURE (°F)	58	59	61	62	63	65	67	68
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	9.9	10.9	12.0	13.0	13.9	14.8	15.7	16.4
		COMPRESSOR CURRENT (A)	6.7	7.8	8.9	9.9	10.8	11.7	12.6	13.4
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	19	18
	1400	DISCHARGE PRESSURE (PSIG)	200	232	269	310	355	405	458	516
		DISCHARGE TEMPERATURE (°F)	111	119	130	141	154	168	182	198
		DISCHARGE SUPERHEAT (°F)	41	40	41	43	46	50	55	61
		SUCTION PRESSURE (PSIG)	128	132	136	139	142	144	145	147
		SUCTION TEMPERATURE (°F)	58	60	61	63	64	66	67	69
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	15	16	17
OUTDOOR UNIT CURRENT (A)		9.6	10.6	11.7	12.7	13.6	14.5	15.4	16.1	
COMPRESSOR CURRENT (A)		6.0	7.1	8.2	9.2	10.1	11.0	11.9	12.7	
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	20	19	18	17	

Continued on next page

## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	DISCHARGE PRESSURE (PSIG)	194	227	264	305	351	401	454	512
		DISCHARGE TEMPERATURE (°F)	111	121	131	142	154	168	181	196
		DISCHARGE SUPERHEAT (°F)	43	43	43	45	47	51	55	60
		SUCTION PRESSURE (PSIG)	114	118	122	126	130	134	139	143
		SUCTION TEMPERATURE (°F)	52	53	55	56	58	60	63	65
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.7	9.3	10.0	11.0	12.0	13.3	14.7	16.4
		COMPRESSOR CURRENT (A)	6.0	6.6	7.3	8.2	9.3	10.6	12.1	13.7
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	31	29	28	26	24	
	1200	DISCHARGE PRESSURE (PSIG)	197	230	267	308	354	404	457	515
		DISCHARGE TEMPERATURE (°F)	111	121	130	142	154	168	181	195
		DISCHARGE SUPERHEAT (°F)	42	42	42	44	46	50	54	59
		SUCTION PRESSURE (PSIG)	121	125	129	133	137	141	146	150
		SUCTION TEMPERATURE (°F)	55	56	58	59	61	62	65	68
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.2	9.8	10.5	11.5	12.5	13.8	15.2	16.9
		COMPRESSOR CURRENT (A)	6.1	6.7	7.4	8.3	9.4	10.7	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	28	26	25	23	21	
	1400	DISCHARGE PRESSURE (PSIG)	200	233	270	311	357	407	460	518
		DISCHARGE TEMPERATURE (°F)	111	120	130	142	153	167	180	195
		DISCHARGE SUPERHEAT (°F)	41	41	41	43	45	49	53	58
		SUCTION PRESSURE (PSIG)	128	132	136	140	144	148	153	157
		SUCTION TEMPERATURE (°F)	58	59	60	62	64	65	68	70
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	9.7	10.3	11.0	12.0	13.0	14.3	15.7	17.4
		COMPRESSOR CURRENT (A)	6.2	6.8	7.5	8.4	9.5	10.8	12.3	13.9
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	23	22	20	18	
	80/62	1000	DISCHARGE PRESSURE (PSIG)	197	230	267	308	353	403	457
DISCHARGE TEMPERATURE (°F)			112	121	131	143	155	168	183	198
DISCHARGE SUPERHEAT (°F)			43	42	43	45	47	51	56	62
SUCTION PRESSURE (PSIG)			121	124	127	130	134	138	142	147
SUCTION TEMPERATURE (°F)			55	56	57	58	60	62	66	69
SUCTION SUPERHEAT (°F)			14	13	13	13	13	14	16	17
OUTDOOR UNIT CURRENT (A)			8.8	9.3	10.1	11.0	12.0	13.3	14.7	16.3
COMPRESSOR CURRENT (A)			6.1	6.7	7.4	8.4	9.4	10.7	12.1	13.7
INDOOR COIL DB TEMP DROP (°F)		31	31	30	29	28	26	24	22	
1200		DISCHARGE PRESSURE (PSIG)	199	232	269	310	355	405	459	517
		DISCHARGE TEMPERATURE (°F)	111	120	131	142	154	168	182	198
		DISCHARGE SUPERHEAT (°F)	42	41	42	44	46	50	55	61
		SUCTION PRESSURE (PSIG)	126	129	132	135	139	143	147	152
		SUCTION TEMPERATURE (°F)	57	58	59	60	62	64	68	71
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	16	17
		OUTDOOR UNIT CURRENT (A)	9.3	9.8	10.6	11.5	12.5	13.8	15.2	16.8
		COMPRESSOR CURRENT (A)	6.1	6.7	7.4	8.4	9.4	10.7	12.1	13.7
INDOOR COIL DB TEMP DROP (°F)		29	29	28	27	26	24	22	20	
1400		DISCHARGE PRESSURE (PSIG)	201	234	271	312	357	407	461	519
		DISCHARGE TEMPERATURE (°F)	111	120	130	142	153	167	182	197
		DISCHARGE SUPERHEAT (°F)	41	40	41	43	45	49	54	60
		SUCTION PRESSURE (PSIG)	131	134	137	140	144	148	152	157
		SUCTION TEMPERATURE (°F)	59	60	61	62	64	66	70	72
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	16	17
		OUTDOOR UNIT CURRENT (A)	9.8	10.3	11.1	12.0	13.0	14.3	15.7	17.3
		COMPRESSOR CURRENT (A)	6.1	6.7	7.4	8.4	9.4	10.7	12.1	13.7
INDOOR COIL DB TEMP DROP (°F)		27	27	26	25	24	22	20	18	

Continued on next page

## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	DISCHARGE PRESSURE (PSIG)	201	235	272	313	359	408	461	518
		DISCHARGE TEMPERATURE (°F)	112	121	130	140	152	165	180	195
		DISCHARGE SUPERHEAT (°F)	42	41	40	41	43	47	52	58
		SUCTION PRESSURE (PSIG)	131	135	139	142	145	148	151	154
		SUCTION TEMPERATURE (°F)	60	61	62	62	64	66	68	71
		SUCTION SUPERHEAT (°F)	15	14	13	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	9.0	9.6	10.3	11.2	12.3	13.5	14.9	16.4
		COMPRESSOR CURRENT (A)	6.2	6.8	7.6	8.5	9.6	10.8	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	27	26	25	25	24	22	21	20	
	1200	DISCHARGE PRESSURE (PSIG)	202	236	273	314	360	409	462	519
		DISCHARGE TEMPERATURE (°F)	112	121	130	140	152	166	180	195
		DISCHARGE SUPERHEAT (°F)	42	41	40	41	43	47	52	58
		SUCTION PRESSURE (PSIG)	135	139	143	146	149	152	155	158
		SUCTION TEMPERATURE (°F)	62	63	63	63	66	68	70	73
		SUCTION SUPERHEAT (°F)	15	14	13	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.0	10.7	11.6	12.7	13.9	15.3	16.8
		COMPRESSOR CURRENT (A)	6.2	6.8	7.6	8.5	9.6	10.8	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	23	22	20	19	18	
	1400	DISCHARGE PRESSURE (PSIG)	203	237	274	315	361	410	463	520
		DISCHARGE TEMPERATURE (°F)	113	121	130	141	152	166	180	195
		DISCHARGE SUPERHEAT (°F)	42	41	40	41	43	47	52	58
		SUCTION PRESSURE (PSIG)	139	143	147	150	153	156	159	162
		SUCTION TEMPERATURE (°F)	64	64	65	65	67	69	71	74
		SUCTION SUPERHEAT (°F)	15	14	13	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	9.8	10.4	11.1	12.0	13.1	14.3	15.7	17.2
		COMPRESSOR CURRENT (A)	6.2	6.8	7.6	8.5	9.6	10.8	12.2	13.8
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	21	20	18	17	16	
	80/72	1000	DISCHARGE PRESSURE (PSIG)	202	235	273	314	360	410	464
DISCHARGE TEMPERATURE (°F)			114	121	130	139	151	163	176	191
DISCHARGE SUPERHEAT (°F)			44	41	40	40	42	44	48	54
SUCTION PRESSURE (PSIG)			138	143	148	152	156	160	163	167
SUCTION TEMPERATURE (°F)			65	65	66	67	68	71	73	76
SUCTION SUPERHEAT (°F)			17	15	14	13	13	14	15	17
OUTDOOR UNIT CURRENT (A)			8.9	9.5	10.2	11.1	12.2	13.4	14.8	16.4
COMPRESSOR CURRENT (A)			6.3	6.9	7.6	8.5	9.6	10.8	12.2	13.8
INDOOR COIL DB TEMP DROP (°F)		22	22	21	20	19	18	17	15	
1200		DISCHARGE PRESSURE (PSIG)	204	237	275	316	362	412	466	524
		DISCHARGE TEMPERATURE (°F)	115	121	130	140	151	163	176	192
		DISCHARGE SUPERHEAT (°F)	44	41	40	40	42	44	48	54
		SUCTION PRESSURE (PSIG)	142	147	152	156	160	164	167	171
		SUCTION TEMPERATURE (°F)	67	67	68	68	70	72	74	77
		SUCTION SUPERHEAT (°F)	17	15	14	13	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	9.4	10.0	10.7	11.6	12.7	13.9	15.3	16.9
		COMPRESSOR CURRENT (A)	6.3	6.9	7.6	8.5	9.6	10.8	12.2	13.8
INDOOR COIL DB TEMP DROP (°F)		20	20	19	18	17	16	15	13	
1400		DISCHARGE PRESSURE (PSIG)	206	239	277	318	364	414	468	526
		DISCHARGE TEMPERATURE (°F)	116	122	131	140	152	163	177	192
		DISCHARGE SUPERHEAT (°F)	44	41	40	40	42	44	48	54
		SUCTION PRESSURE (PSIG)	146	151	156	160	164	168	171	175
		SUCTION TEMPERATURE (°F)	69	69	70	71	72	74	76	80
		SUCTION SUPERHEAT (°F)	18	16	15	14	14	15	16	18
		OUTDOOR UNIT CURRENT (A)	9.9	10.5	11.2	12.1	13.2	14.4	15.8	17.4
		COMPRESSOR CURRENT (A)	6.3	6.9	7.6	8.5	9.6	10.8	12.2	13.8
INDOOR COIL DB TEMP DROP (°F)		18	18	17	16	15	14	13	11	

Extended cooling high-speed service data for use with models:

**PHE6B3621**

**PHE6B3631**

**PHE6B3641**

**PHG6B360502X1**

**PHG6B360752X1**

**PHG6B361002X1**

**PHG6B360503X1**

**PHG6B360753X1**

**PHG6B361003X1**

**PHG6B360504X1**

**PHG6B360754X1**

**PHG6B361004X1**

**PHE6B36 and PHG6B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1000	DISCHARGE PRESSURE (PSIG)	224	268	314	362	413	466	522
		DISCHARGE TEMPERATURE (°F)	113	128	142	155	168	179	190
		DISCHARGE SUPERHEAT (°F)	36	39	43	46	49	51	53
		SUCTION PRESSURE (PSIG)	121	133	142	150	156	160	162
		SUCTION TEMPERATURE (°F)	52	58	63	66	69	71	71
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.3	12.6	13.8	15.1	16.3
		COMPRESSOR CURRENT (A)	6.2	7.3	8.5	9.7	11.0	12.3	13.6
		INDOOR COIL DB TEMP DROP (°F)	34	35	35	34	32	29	26
	1200	DISCHARGE PRESSURE (PSIG)	226	270	316	364	415	468	524
		DISCHARGE TEMPERATURE (°F)	112	127	142	155	168	179	190
		DISCHARGE SUPERHEAT (°F)	35	38	42	45	48	50	52
		SUCTION PRESSURE (PSIG)	127	139	148	156	162	166	168
		SUCTION TEMPERATURE (°F)	55	61	65	68	71	73	73
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.1	10.4	11.7	13.0	14.2	15.5	16.7
		COMPRESSOR CURRENT (A)	6.3	7.4	8.6	9.8	11.1	12.4	13.7
		INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	30	27	24
	1400	DISCHARGE PRESSURE (PSIG)	228	272	318	366	417	470	526
		DISCHARGE TEMPERATURE (°F)	112	127	141	154	167	178	189
		DISCHARGE SUPERHEAT (°F)	34	37	41	44	47	49	51
		SUCTION PRESSURE (PSIG)	133	145	154	162	168	172	174
		SUCTION TEMPERATURE (°F)	57	63	67	70	73	75	75
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.8	12.1	13.4	14.6	15.9	17.1
		COMPRESSOR CURRENT (A)	6.4	7.5	8.7	9.9	11.2	12.5	13.8
		INDOOR COIL DB TEMP DROP (°F)	30	31	31	30	28	25	22

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## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1000	DISCHARGE PRESSURE (PSIG)	222	265	310	357	407	459	513
		DISCHARGE TEMPERATURE (°F)	112	129	143	158	172	184	197
		DISCHARGE SUPERHEAT (°F)	36	41	45	50	54	57	61
		SUCTION PRESSURE (PSIG)	116	126	134	139	143	144	142
		SUCTION TEMPERATURE (°F)	50	55	60	63	64	65	65
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.3	12.5	13.8	15.0	16.2
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.6	10.9	12.1	13.5
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	18	17	16	14	
	1200	DISCHARGE PRESSURE (PSIG)	223	266	311	358	408	460	514
		DISCHARGE TEMPERATURE (°F)	112	128	143	158	171	183	196
		DISCHARGE SUPERHEAT (°F)	35	40	44	49	53	56	60
		SUCTION PRESSURE (PSIG)	118	128	136	141	145	146	144
		SUCTION TEMPERATURE (°F)	51	56	60	63	65	65	66
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	9.0	10.3	11.6	12.8	14.1	15.3	16.5
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.6	10.9	12.1	13.5
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	17	16	15	13	
	1400	DISCHARGE PRESSURE (PSIG)	224	267	312	359	409	461	515
		DISCHARGE TEMPERATURE (°F)	111	127	142	157	171	183	195
		DISCHARGE SUPERHEAT (°F)	34	39	43	48	52	55	59
		SUCTION PRESSURE (PSIG)	120	130	138	143	147	148	146
		SUCTION TEMPERATURE (°F)	52	57	61	64	66	66	66
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	9.3	10.6	11.9	13.1	14.4	15.6	16.8
		COMPRESSOR CURRENT (A)	6.2	7.3	8.4	9.6	10.9	12.1	13.5
	INDOOR COIL DB TEMP DROP (°F)	16	17	17	16	15	14	12	
	90/62	1000	DISCHARGE PRESSURE (PSIG)	226	269	315	362	412	463
DISCHARGE TEMPERATURE (°F)			111	127	142	155	169	181	193
DISCHARGE SUPERHEAT (°F)			34	38	42	46	50	53	56
SUCTION PRESSURE (PSIG)			127	137	146	152	155	156	155
SUCTION TEMPERATURE (°F)			55	60	64	68	69	70	70
SUCTION SUPERHEAT (°F)			11	12	13	14	14	15	15
OUTDOOR UNIT CURRENT (A)			8.8	10.1	11.4	12.7	13.9	15.1	16.3
COMPRESSOR CURRENT (A)			6.3	7.4	8.6	9.8	11.0	12.3	13.6
INDOOR COIL DB TEMP DROP (°F)		13	14	14	13	12	11	9	
1200		DISCHARGE PRESSURE (PSIG)	227	270	316	363	413	464	518
		DISCHARGE TEMPERATURE (°F)	112	127	142	156	169	181	193
		DISCHARGE SUPERHEAT (°F)	34	38	42	46	50	53	56
		SUCTION PRESSURE (PSIG)	129	139	148	154	157	158	157
		SUCTION TEMPERATURE (°F)	56	61	65	68	69	71	70
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	9.1	10.4	11.7	13.0	14.2	15.4	16.6
		COMPRESSOR CURRENT (A)	6.3	7.4	8.6	9.8	11.0	12.3	13.6
INDOOR COIL DB TEMP DROP (°F)		12	13	13	12	11	10	8	
1400		DISCHARGE PRESSURE (PSIG)	228	271	317	364	414	465	519
		DISCHARGE TEMPERATURE (°F)	112	127	142	156	169	181	193
		DISCHARGE SUPERHEAT (°F)	34	38	42	46	50	53	56
		SUCTION PRESSURE (PSIG)	131	141	150	156	159	160	159
		SUCTION TEMPERATURE (°F)	56	61	66	69	70	72	71
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	9.4	10.7	12.0	13.3	14.5	15.7	16.9
		COMPRESSOR CURRENT (A)	6.3	7.4	8.6	9.8	11.0	12.3	13.6
INDOOR COIL DB TEMP DROP (°F)		11	12	12	11	10	9	7	

Continued on next page

## PHE6B36 and PHG6B36 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1000	DISCHARGE PRESSURE (PSIG)	225	269	314	363	413	466	520
		DISCHARGE TEMPERATURE (°F)	112	127	141	156	168	179	191
		DISCHARGE SUPERHEAT (°F)	35	38	42	46	49	51	54
		SUCTION PRESSURE (PSIG)	125	137	146	152	157	159	159
		SUCTION TEMPERATURE (°F)	54	60	64	67	69	70	70
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.3	12.6	13.8	15.1	16.3
		COMPRESSOR CURRENT (A)	6.2	7.3	8.5	9.7	10.9	12.2	13.6
	INDOOR COIL DB TEMP DROP (°F)	32	34	34	34	32	30	27	
	1200	DISCHARGE PRESSURE (PSIG)	227	271	316	365	415	468	522
		DISCHARGE TEMPERATURE (°F)	112	126	141	155	168	179	190
		DISCHARGE SUPERHEAT (°F)	34	37	41	45	48	50	53
		SUCTION PRESSURE (PSIG)	130	142	151	157	162	164	164
		SUCTION TEMPERATURE (°F)	56	62	66	68	71	72	72
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.1	10.4	11.7	13.0	14.2	15.5	16.7
		COMPRESSOR CURRENT (A)	6.3	7.4	8.6	9.8	11.0	12.3	13.7
	INDOOR COIL DB TEMP DROP (°F)	30	32	32	32	30	28	25	
	1400	DISCHARGE PRESSURE (PSIG)	229	273	318	367	417	470	524
		DISCHARGE TEMPERATURE (°F)	111	126	140	154	167	178	190
		DISCHARGE SUPERHEAT (°F)	33	36	40	44	47	49	52
		SUCTION PRESSURE (PSIG)	135	147	156	162	167	169	169
		SUCTION TEMPERATURE (°F)	58	64	68	70	73	74	74
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.5	10.8	12.1	13.4	14.6	15.9	17.1
		COMPRESSOR CURRENT (A)	6.4	7.5	8.7	9.9	11.1	12.4	13.8
	INDOOR COIL DB TEMP DROP (°F)	28	30	30	30	28	26	23	
	70/62	1000	DISCHARGE PRESSURE (PSIG)	230	273	318	365	413	464
DISCHARGE TEMPERATURE (°F)			113	128	141	154	166	177	188
DISCHARGE SUPERHEAT (°F)			34	38	41	44	47	49	51
SUCTION PRESSURE (PSIG)			138	149	158	164	167	168	166
SUCTION TEMPERATURE (°F)			59	65	69	72	73	73	73
SUCTION SUPERHEAT (°F)			11	12	13	14	14	14	14
OUTDOOR UNIT CURRENT (A)			8.9	10.2	11.5	12.7	13.9	15.1	16.2
COMPRESSOR CURRENT (A)			6.4	7.5	8.6	9.8	11.0	12.2	13.5
INDOOR COIL DB TEMP DROP (°F)		27	28	29	29	28	26	24	
1200		DISCHARGE PRESSURE (PSIG)	233	276	321	368	416	467	519
		DISCHARGE TEMPERATURE (°F)	112	128	141	154	166	177	187
		DISCHARGE SUPERHEAT (°F)	33	37	40	43	46	48	50
		SUCTION PRESSURE (PSIG)	141	152	161	167	170	171	169
		SUCTION TEMPERATURE (°F)	60	66	70	73	74	74	74
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.3	10.6	11.9	13.1	14.3	15.5	16.6
		COMPRESSOR CURRENT (A)	6.5	7.6	8.7	9.9	11.1	12.3	13.6
INDOOR COIL DB TEMP DROP (°F)		26	27	28	28	27	25	23	
1400		DISCHARGE PRESSURE (PSIG)	236	279	324	371	419	470	522
		DISCHARGE TEMPERATURE (°F)	112	127	141	153	165	176	186
		DISCHARGE SUPERHEAT (°F)	32	36	39	42	45	47	49
		SUCTION PRESSURE (PSIG)	144	155	164	170	173	174	172
		SUCTION TEMPERATURE (°F)	62	67	71	74	75	75	75
		SUCTION SUPERHEAT (°F)	11	12	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	9.7	11.0	12.3	13.5	14.7	15.9	17.0
		COMPRESSOR CURRENT (A)	6.6	7.7	8.8	10.0	11.2	12.4	13.7
INDOOR COIL DB TEMP DROP (°F)		25	26	27	27	26	24	22	



Standard heating low-speed service data  
for use with models:

PHE6B3621  
PHE6B3631  
PHE6B3641  
PHG6B360502X1  
PHG6B360752X1  
PHG6B361002X1  
PHG6B360503X1  
PHG6B360753X1  
PHG6B361003X1  
PHG6B360504X1  
PHG6B360754X1  
PHG6B361004X1

PHE6B36 AND PHG6B36 SUPERHEAT CHARGING CHART			
INDOOR WET BULB (°F)	OUTDOOR AMBIENT DB (°F)		
	60	47	40
60	317 (12)	314 (16)	308 (18)
65	334 (12)	326 (15)	325 (18)
70	351 (12)	338 (15)	342 (18)
75	368 (12)	350 (14)	359 (18)
80	385 (12)	362 (13)	376 (18)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B36 and PHG6B36**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA		
			60	47	40
60	1000	Suction Prs./Temp.	137 / 47	110 / 36	97 / 30
		Liquid Prs./Temp.	262 / 79	270 / 74	262 / 72
		ID Air DB Temp. Rise	27	22	19
		Total Amp./Comp Amp.	7.7 / 5.6	7.7 / 5.6	7.7 / 5.6
	800	Suction Prs./Temp.	138 / 48	110 / 36	97 / 30
		Liquid Prs./Temp.	301 / 85	302 / 80	292 / 77
		ID Air DB Temp. Rise	34	28	24
		Total Amp./Comp Amp.	8.3 / 6.4	8.2 / 6.2	8.1 / 6.1
	600	Suction Prs./Temp.	139 / 48	111 / 37	98 / 30
		Liquid Prs./Temp.	339 / 92	334 / 85	322 / 82
		ID Air DB Temp. Rise	42	34	30
		Total Amp./Comp Amp.	9 / 7.1	8.7 / 6.9	8.6 / 6.7
70	1000	Suction Prs./Temp.	138 / 48	111 / 36	97 / 30
		Liquid Prs./Temp.	303 / 88	298 / 83	302 / 81
		ID Air DB Temp. Rise	25	21	18
		Total Amp./Comp Amp.	8.6 / 6.4	8.5 / 6.4	8.5 / 6.4
	800	Suction Prs./Temp.	139 / 48	111 / 37	98 / 30
		Liquid Prs./Temp.	343 / 94	332 / 88	334 / 86
		ID Air DB Temp. Rise	32	26	23
		Total Amp./Comp Amp.	9.2 / 7.3	9.1 / 7.1	9 / 7
	600	Suction Prs./Temp.	140 / 49	112 / 37	99 / 31
		Liquid Prs./Temp.	383 / 99	365 / 93	365 / 90
		ID Air DB Temp. Rise	39	32	28
		Total Amp./Comp Amp.	9.9 / 8.1	9.6 / 7.8	9.5 / 7.7
80	1000	Suction Prs./Temp.	139 / 48	112 / 37	98 / 30
		Liquid Prs./Temp.	345 / 96	327 / 92	343 / 90
		ID Air DB Temp. Rise	24	19	17
		Total Amp./Comp Amp.	9.4 / 7.3	9.4 / 7.2	9.3 / 7.2
	800	Suction Prs./Temp.	140 / 49	112 / 37	99 / 31
		Liquid Prs./Temp.	385 / 102	362 / 96	376 / 94
		ID Air DB Temp. Rise	31	25	21
		Total Amp./Comp Amp.	10.1 / 8.2	10 / 8	9.9 / 7.9
	600	Suction Prs./Temp.	141 / 49	113 / 37	100 / 31
		Liquid Prs./Temp.	426 / 107	396 / 101	409 / 99
		ID Air DB Temp. Rise	37	30	26
		Total Amp./Comp Amp.	10.9 / 9.1	10.6 / 8.7	10.4 / 8.6

Extended heating low-speed service data for use with models:

**PHE6B3621**

**PHE6B3631**

**PHE6B3641**

**PHG6B360502X1**

**PHG6B360752X1**

**PHG6B361002X1**

**PHG6B360503X1**

**PHG6B360753X1**

**PHG6B361003X1**

**PHG6B360504X1**

**PHG6B360754X1**

**PHG6B361004X1**

**PHE6B36 and PHG6B36**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
3	1000	60	MBH	10.3	13.8	17.3	20.8	25.6	30.9	36.8	42.0
			KW	2.1	2.2	2.2	2.3	2.3	2.5	2.5	2.6
		70	MBH	10.8	14.2	17.6	21.0	24.6	29.6	35.2	40.4
			KW	2.3	2.4	2.4	2.5	2.6	2.8	2.8	2.9
		80	MBH	10.2	13.7	17.2	20.7	23.6	28.3	33.5	38.7
			KW	2.5	2.6	2.6	2.7	2.8	3.0	3.0	3.1
	1200	60	MBH	11.3	14.6	17.9	21.2	26.1	31.7	37.3	43.0
			KW	2.1	2.2	2.2	2.3	2.3	2.4	2.5	2.6
		70	MBH	11.5	15.1	18.7	22.3	27.1	31.8	35.2	41.3
			KW	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8
		80	MBH	11.0	14.7	18.4	22.1	28.0	31.9	35.7	39.6
			KW	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.0
	1400	60	MBH	11.0	14.5	18.0	21.5	26.6	31.9	37.8	43.9
			KW	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5
		70	MBH	10.7	13.9	17.1	20.3	25.4	30.5	36.7	43.9
			KW	2.3	2.4	2.3	2.5	2.6	2.6	2.7	2.8
		80	MBH	10.7	13.5	16.3	19.1	24.2	29.0	35.6	43.9
			KW	2.5	2.6	2.4	2.8	2.9	2.9	2.9	3.0

Standard heating high-speed service data for use with models:

PHE6B3621  
 PHE6B3631  
 PHE6B3641  
 PHG6B360502X1  
 PHG6B360752X1  
 PHG6B361002X1  
 PHG6B360503X1  
 PHG6B360753X1  
 PHG6B361003X1  
 PHG6B360504X1  
 PHG6B360754X1  
 PHG6B361004X1

PHE6B36 AND PHG6B36 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	327 (17)	307 (18)	298 (18)	282 (17)	267 (18)
65	343 (17)	324 (18)	315 (18)	299 (18)	283 (18)
70	360 (17)	340 (18)	332 (18)	317 (18)	300 (18)
75	376 (16)	357 (18)	349 (18)	334 (18)	316 (18)
80	393 (15)	374 (18)	366 (18)	352 (18)	333 (18)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B36 and PHG6B36**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1400	Suction Prs./Temp.	125 / 43	101 / 32	88 / 25	73 / 17	55 / 4	44 / -4
		Liquid Prs./Temp.	289 / 77	272 / 73	265 / 71	255 / 68	240 / 65	231 / 64
		ID Air DB Temp. Rise	27	22	20	20	12	9
		Total Amp./Comp Amp.	11.6 / 8	11.2 / 7.5	11 / 7.4	10.8 / 7.2	10.5 / 6.8	10.3 / 6.6
	1200	Suction Prs./Temp.	126 / 43	101 / 32	89 / 26	73 / 17	54 / 4	45 / -3
		Liquid Prs./Temp.	311 / 81	291 / 76	282 / 74	265 / 71	251 / 67	241 / 65
		ID Air DB Temp. Rise	32	27	23	23	14	12
		Total Amp./Comp Amp.	11.7 / 8.5	11.2 / 8	11 / 7.8	10.6 / 7.4	10.3 / 7.1	10.1 / 6.9
	1000	Suction Prs./Temp.	127 / 44	102 / 32	90 / 26	73 / 17	54 / 4	46 / -2
		Liquid Prs./Temp.	333 / 86	310 / 80	300 / 77	276 / 74	262 / 69	251 / 67
		ID Air DB Temp. Rise	37	31	27	27	17	14
		Total Amp./Comp Amp.	11.8 / 9	11.2 / 8.4	11 / 8.1	10.4 / 7.6	10.2 / 7.3	9.9 / 7.1
70	1400	Suction Prs./Temp.	128 / 44	102 / 32	89 / 26	74 / 17	55 / 5	51 / 1
		Liquid Prs./Temp.	331 / 87	313 / 82	306 / 80	295 / 77	279 / 74	251 / 67
		ID Air DB Temp. Rise	26	21	19	19	11	8
		Total Amp./Comp Amp.	12.6 / 9	12.1 / 8.5	12 / 8.3	11.7 / 8.1	11.4 / 7.7	10.6 / 7.1
	1200	Suction Prs./Temp.	128 / 44	102 / 32	90 / 26	74 / 17	55 / 5	48 / -1
		Liquid Prs./Temp.	352 / 91	333 / 85	324 / 83	308 / 80	292 / 76	271 / 71
		ID Air DB Temp. Rise	31	25	22	22	13	10
		Total Amp./Comp Amp.	12.7 / 9.5	12.2 / 9	12 / 8.8	11.6 / 8.4	11.3 / 8	10.7 / 7.6
	1000	Suction Prs./Temp.	129 / 44	103 / 33	91 / 27	74 / 17	55 / 5	46 / -2
		Liquid Prs./Temp.	374 / 95	353 / 88	342 / 86	321 / 82	305 / 78	292 / 76
		ID Air DB Temp. Rise	35	29	26	26	16	13
		Total Amp./Comp Amp.	12.8 / 10	12.2 / 9.4	12 / 9.2	11.5 / 8.7	11.1 / 8.3	10.8 / 8
80	1400	Suction Prs./Temp.	130 / 45	103 / 33	90 / 26	75 / 18	56 / 6	57 / 5
		Liquid Prs./Temp.	372 / 96	354 / 91	347 / 89	336 / 86	319 / 83	270 / 71
		ID Air DB Temp. Rise	25	20	18	18	10	6
		Total Amp./Comp Amp.	13.5 / 9.9	13.1 / 9.4	12.9 / 9.3	12.7 / 9	12.3 / 8.6	10.9 / 7.6
	1200	Suction Prs./Temp.	130 / 45	103 / 33	91 / 27	75 / 18	56 / 6	52 / 2
		Liquid Prs./Temp.	393 / 100	374 / 94	366 / 92	352 / 89	333 / 85	301 / 78
		ID Air DB Temp. Rise	29	24	21	21	13	9
		Total Amp./Comp Amp.	13.7 / 10.5	13.2 / 10	13 / 9.8	12.6 / 9.4	12.2 / 8.9	11.3 / 8.2
	1000	Suction Prs./Temp.	131 / 45	104 / 33	92 / 27	75 / 18	56 / 6	47 / -2
		Liquid Prs./Temp.	415 / 104	395 / 97	384 / 95	367 / 91	347 / 87	332 / 85
		ID Air DB Temp. Rise	34	28	25	25	15	12
		Total Amp./Comp Amp.	13.8 / 11	13.3 / 10.5	13 / 10.2	12.6 / 9.8	12.1 / 9.3	11.7 / 8.9

Standard cooling low-speed service data for use with models:

**PHE6B4221**  
**PHG6B420752X1**  
**PHG6B421002X1**  
**PHG6B420753X1**  
**PHG6B421003X1**

PHE6B42 AND PHG6B42 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	184 (39)	187 (37)	190 (38)	192 (39)
60	200 (40)	203 (38)	206 (38)	208 (38)
65	217 (41)	220 (38)	223 (38)	225 (37)
70	234 (42)	238 (39)	241 (38)	244 (37)
75	253 (43)	256 (41)	260 (38)	263 (36)
80	273 (45)	276 (42)	279 (39)	282 (37)
85	293 (47)	296 (44)	300 (41)	303 (38)
90	315 (49)	317 (46)	321 (42)	325 (39)
95	337 (51)	340 (49)	343 (44)	347 (40)
100	361 (54)	363 (52)	367 (47)	370 (42)
105	385 (56)	387 (55)	391 (50)	395 (44)
110	411 (59)	412 (59)	416 (53)	420 (47)
115	437 (63)	438 (62)	442 (56)	446 (50)
120	464 (66)	465 (67)	469 (60)	472 (53)
125	493 (69)	493 (71)	497 (64)	500 (57)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B42 and PHG6B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	760	DISCHARGE PRESSURE (PSIG)	186	218	253	293	336	383	433	488
		DISCHARGE TEMPERATURE (°F)	103	115	129	143	157	174	190	208
		DISCHARGE SUPERHEAT (°F)	38	40	44	48	53	60	67	76
		SUCTION PRESSURE (PSIG)	114	117	120	123	127	131	136	141
		SUCTION TEMPERATURE (°F)	54	55	57	58	61	63	67	71
		SUCTION SUPERHEAT (°F)	16	16	16	16	17	18	20	22
		OUTDOOR UNIT CURRENT (A)	6.7	7.4	8.2	9.1	10.2	11.3	12.6	14.0
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	7.0	8.0	9.2	10.5	11.9
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	23	21	19	17
	960	DISCHARGE PRESSURE (PSIG)	188	220	255	295	338	385	435	490
		DISCHARGE TEMPERATURE (°F)	102	114	127	141	156	172	188	206
		DISCHARGE SUPERHEAT (°F)	36	38	42	46	51	58	65	74
		SUCTION PRESSURE (PSIG)	119	122	125	128	132	136	141	146
		SUCTION TEMPERATURE (°F)	55	57	58	59	62	64	68	72
		SUCTION SUPERHEAT (°F)	15	15	15	15	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.5	9.4	10.5	11.6	12.9	14.3
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	7.0	8.0	9.2	10.5	11.9
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	21	19	17	15
	1160	DISCHARGE PRESSURE (PSIG)	190	222	257	297	340	387	437	492
		DISCHARGE TEMPERATURE (°F)	101	112	126	139	154	170	187	205
		DISCHARGE SUPERHEAT (°F)	34	36	40	44	49	56	63	72
		SUCTION PRESSURE (PSIG)	124	127	130	133	137	141	146	151
		SUCTION TEMPERATURE (°F)	57	58	59	60	63	65	69	73
		SUCTION SUPERHEAT (°F)	14	14	14	14	15	16	18	20
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.8	9.7	10.8	11.9	13.2	14.6
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	7.0	8.0	9.2	10.5	11.9
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	17	15	13

Continued on next page

## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA								
			55	65	75	85	95	105	115	125	
80/57	760	DISCHARGE PRESSURE (PSIG)	181	214	250	290	334	382	434	490	
		DISCHARGE TEMPERATURE (°F)	106	118	130	144	158	172	189	204	
		DISCHARGE SUPERHEAT (°F)	42	44	46	50	54	59	66	72	
		SUCTION PRESSURE (PSIG)	104	108	113	118	124	129	135	142	
		SUCTION TEMPERATURE (°F)	49	50	53	55	58	60	62	66	
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	15	15	16	
		OUTDOOR UNIT CURRENT (A)	6.9	7.5	8.3	9.2	10.2	11.4	12.6	14.1	
		COMPRESSOR CURRENT (A)	4.7	5.3	6.1	7.0	8.1	9.2	10.5	12.0	
	INDOOR COIL DB TEMP DROP (°F)	37	36	35	33	31	29	26	23		
	960	DISCHARGE PRESSURE (PSIG)	184	217	253	293	337	385	437	493	
		DISCHARGE TEMPERATURE (°F)	104	116	128	142	155	170	187	202	
		DISCHARGE SUPERHEAT (°F)	39	41	43	47	51	56	63	69	
		SUCTION PRESSURE (PSIG)	113	117	122	127	133	138	144	151	
		SUCTION TEMPERATURE (°F)	54	54	57	59	61	63	66	69	
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	15	15	16	
		OUTDOOR UNIT CURRENT (A)	7.1	7.7	8.5	9.4	10.4	11.6	12.8	14.3	
		COMPRESSOR CURRENT (A)	4.6	5.2	6.0	6.9	8.0	9.1	10.4	11.9	
	INDOOR COIL DB TEMP DROP (°F)	33	32	31	29	27	25	22	19		
	1160	DISCHARGE PRESSURE (PSIG)	187	220	256	296	340	388	440	496	
		DISCHARGE TEMPERATURE (°F)	102	114	125	139	153	168	184	199	
		DISCHARGE SUPERHEAT (°F)	36	38	40	44	48	53	60	66	
		SUCTION PRESSURE (PSIG)	122	126	131	136	142	147	153	160	
		SUCTION TEMPERATURE (°F)	58	58	60	62	65	67	69	73	
		SUCTION SUPERHEAT (°F)	16	15	15	15	15	15	15	16	
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.7	9.6	10.6	11.8	13.0	14.5	
		COMPRESSOR CURRENT (A)	4.5	5.1	5.9	6.8	7.9	9.0	10.3	11.8	
	INDOOR COIL DB TEMP DROP (°F)	29	28	27	25	23	21	18	15		
	80/62	760	DISCHARGE PRESSURE (PSIG)	185	218	254	294	338	385	436	491
			DISCHARGE TEMPERATURE (°F)	104	115	128	141	156	171	187	206
			DISCHARGE SUPERHEAT (°F)	39	40	43	46	51	57	64	73
SUCTION PRESSURE (PSIG)			116	119	123	127	131	136	140	146	
SUCTION TEMPERATURE (°F)			55	55	56	58	59	62	66	70	
SUCTION SUPERHEAT (°F)			16	15	14	14	14	15	17	19	
OUTDOOR UNIT CURRENT (A)			6.7	7.4	8.2	9.1	10.2	11.3	12.6	14.1	
COMPRESSOR CURRENT (A)			4.5	5.2	6.0	7.0	8.0	9.2	10.5	12.0	
INDOOR COIL DB TEMP DROP (°F)		31	31	30	29	27	25	23	20		
960		DISCHARGE PRESSURE (PSIG)	187	220	256	296	340	387	438	493	
		DISCHARGE TEMPERATURE (°F)	103	114	126	139	154	169	186	204	
		DISCHARGE SUPERHEAT (°F)	37	38	41	44	49	55	62	71	
		SUCTION PRESSURE (PSIG)	122	125	129	133	137	142	146	152	
		SUCTION TEMPERATURE (°F)	58	58	59	60	62	65	68	73	
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	17	19	
		OUTDOOR UNIT CURRENT (A)	7.0	7.7	8.5	9.4	10.5	11.6	12.9	14.4	
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	7.0	8.0	9.2	10.5	12.0	
INDOOR COIL DB TEMP DROP (°F)		29	29	28	27	25	23	21	18		
1160		DISCHARGE PRESSURE (PSIG)	189	222	258	298	342	389	440	495	
		DISCHARGE TEMPERATURE (°F)	101	112	125	138	152	168	184	202	
		DISCHARGE SUPERHEAT (°F)	35	36	39	42	47	53	60	69	
		SUCTION PRESSURE (PSIG)	128	131	135	139	143	148	152	158	
		SUCTION TEMPERATURE (°F)	60	60	61	63	64	67	71	75	
		SUCTION SUPERHEAT (°F)	16	15	14	14	14	15	17	19	
		OUTDOOR UNIT CURRENT (A)	7.3	8.0	8.8	9.7	10.8	11.9	13.2	14.7	
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	7.0	8.0	9.2	10.5	12.0	
INDOOR COIL DB TEMP DROP (°F)		27	27	26	25	23	21	19	16		

Continued on next page

## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	760	DISCHARGE PRESSURE (PSIG)	189	222	259	299	342	390	441	496
		DISCHARGE TEMPERATURE (°F)	105	115	125	138	150	166	181	198
		DISCHARGE SUPERHEAT (°F)	39	39	39	42	45	51	57	65
		SUCTION PRESSURE (PSIG)	123	128	132	137	142	147	152	157
		SUCTION TEMPERATURE (°F)	59	59	59	60	62	64	68	71
		SUCTION SUPERHEAT (°F)	17	15	13	12	12	12	14	16
		OUTDOOR UNIT CURRENT (A)	6.7	7.3	8.1	9.0	10.1	11.2	12.5	13.8
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	6.9	7.9	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	27	27	26	25	24	22	20	18	
	960	DISCHARGE PRESSURE (PSIG)	190	223	260	300	343	391	442	497
		DISCHARGE TEMPERATURE (°F)	105	115	125	137	150	165	180	198
		DISCHARGE SUPERHEAT (°F)	38	38	38	41	44	50	56	64
		SUCTION PRESSURE (PSIG)	127	132	136	141	146	151	156	161
		SUCTION TEMPERATURE (°F)	62	62	61	62	64	66	70	74
		SUCTION SUPERHEAT (°F)	18	16	14	13	13	13	15	17
		OUTDOOR UNIT CURRENT (A)	7.0	7.6	8.4	9.3	10.4	11.5	12.8	14.1
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	6.9	7.9	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	20	18	16	
	1160	DISCHARGE PRESSURE (PSIG)	191	224	261	301	344	392	443	498
		DISCHARGE TEMPERATURE (°F)	104	114	124	136	149	164	180	197
		DISCHARGE SUPERHEAT (°F)	37	37	37	40	43	49	55	63
		SUCTION PRESSURE (PSIG)	131	136	140	145	150	155	160	165
		SUCTION TEMPERATURE (°F)	64	64	64	65	67	69	73	76
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	7.3	7.9	8.7	9.6	10.7	11.8	13.1	14.4
		COMPRESSOR CURRENT (A)	4.5	5.2	6.0	6.9	7.9	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	18	16	14	
	80/72	760	DISCHARGE PRESSURE (PSIG)	191	224	262	302	346	394	445
DISCHARGE TEMPERATURE (°F)			106	114	123	135	146	160	175	191
DISCHARGE SUPERHEAT (°F)			39	37	36	38	40	44	50	57
SUCTION PRESSURE (PSIG)			130	138	145	151	157	162	166	169
SUCTION TEMPERATURE (°F)			63	63	64	64	65	68	71	75
SUCTION SUPERHEAT (°F)			18	15	13	11	10	11	12	15
OUTDOOR UNIT CURRENT (A)			6.7	7.2	7.9	8.7	9.7	10.9	12.2	13.7
COMPRESSOR CURRENT (A)			4.6	5.1	5.8	6.7	7.7	8.9	10.2	11.7
INDOOR COIL DB TEMP DROP (°F)		22	22	21	20	19	17	15	14	
960		DISCHARGE PRESSURE (PSIG)	192	225	263	303	347	395	446	500
		DISCHARGE TEMPERATURE (°F)	106	114	123	135	146	160	175	191
		DISCHARGE SUPERHEAT (°F)	39	37	36	38	40	44	50	57
		SUCTION PRESSURE (PSIG)	134	142	149	155	161	166	170	173
		SUCTION TEMPERATURE (°F)	66	66	67	67	68	71	73	77
		SUCTION SUPERHEAT (°F)	19	16	14	12	11	12	13	16
		OUTDOOR UNIT CURRENT (A)	7.0	7.5	8.2	9.0	10.0	11.2	12.5	14.0
		COMPRESSOR CURRENT (A)	4.5	5.0	5.7	6.6	7.6	8.8	10.1	11.6
INDOOR COIL DB TEMP DROP (°F)		20	20	19	18	17	15	13	12	
1160		DISCHARGE PRESSURE (PSIG)	193	226	264	304	348	396	447	501
		DISCHARGE TEMPERATURE (°F)	107	114	124	135	147	160	175	191
		DISCHARGE SUPERHEAT (°F)	39	37	36	38	40	44	50	57
		SUCTION PRESSURE (PSIG)	138	146	153	159	165	170	174	177
		SUCTION TEMPERATURE (°F)	68	68	69	69	70	73	75	79
		SUCTION SUPERHEAT (°F)	20	17	15	13	12	13	14	17
		OUTDOOR UNIT CURRENT (A)	7.3	7.8	8.5	9.3	10.3	11.5	12.8	14.3
		COMPRESSOR CURRENT (A)	4.4	4.9	5.6	6.5	7.5	8.7	10.0	11.5
INDOOR COIL DB TEMP DROP (°F)		18	18	17	16	15	13	11	10	

Extended cooling low-speed service data for use with models:

**PHE6B4221**

**PHG6B420752X1**

**PHG6B421002X1**

**PHG6B420753X1**

**PHG6B421003X1**

**PHE6B42 and PHG6B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	760	DISCHARGE PRESSURE (PSIG)	212	254	298	344	393	444	497
		DISCHARGE TEMPERATURE (°F)	109	126	141	156	170	184	197
		DISCHARGE SUPERHEAT (°F)	36	41	45	50	54	59	63
		SUCTION PRESSURE (PSIG)	113	125	135	143	150	154	157
		SUCTION TEMPERATURE (°F)	51	57	61	65	68	69	70
		SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.2	10.3	11.5	12.6	13.8
		COMPRESSOR CURRENT (A)	5.0	6.0	7.0	8.1	9.3	10.5	11.8
	INDOOR COIL DB TEMP DROP (°F)	35	36	36	35	33	30	26	
	DISCHARGE PRESSURE (PSIG)	215	257	301	347	396	447	500	
	DISCHARGE TEMPERATURE (°F)	108	125	139	154	168	182	195	
	DISCHARGE SUPERHEAT (°F)	34	39	43	48	52	57	61	
	SUCTION PRESSURE (PSIG)	121	133	143	151	158	162	165	
	SUCTION TEMPERATURE (°F)	54	60	64	68	71	72	73	
	SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15	
	OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.4	10.5	11.7	12.8	14.0	
	COMPRESSOR CURRENT (A)	4.9	5.9	6.9	8.0	9.2	10.4	11.7	
	INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	30	27	23	
	DISCHARGE PRESSURE (PSIG)	218	260	304	350	399	450	503	
	DISCHARGE TEMPERATURE (°F)	107	124	138	153	167	181	193	
	DISCHARGE SUPERHEAT (°F)	32	37	41	46	50	55	59	
	SUCTION PRESSURE (PSIG)	129	141	151	159	166	170	173	
	SUCTION TEMPERATURE (°F)	58	63	67	71	74	75	76	
	SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15	
OUTDOOR UNIT CURRENT (A)	7.3	8.4	9.6	10.7	11.9	13.0	14.2		
COMPRESSOR CURRENT (A)	4.8	5.8	6.8	7.9	9.1	10.3	11.6		
INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	27	24	20		

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## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	760	DISCHARGE PRESSURE (PSIG)	214	254	297	342	389	438	489
		DISCHARGE TEMPERATURE (°F)	107	124	140	156	172	188	203
		DISCHARGE SUPERHEAT (°F)	33	39	45	51	57	64	71
		SUCTION PRESSURE (PSIG)	112	122	130	137	141	143	144
		SUCTION TEMPERATURE (°F)	47	54	58	62	64	66	68
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.5	11.6	12.8	13.9
		COMPRESSOR CURRENT (A)	5.0	6.0	7.0	8.1	9.3	10.5	11.8
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	18	17	15	12
	960	DISCHARGE PRESSURE (PSIG)	215	255	298	343	390	439	490
		DISCHARGE TEMPERATURE (°F)	106	123	140	156	171	187	202
		DISCHARGE SUPERHEAT (°F)	32	38	44	50	56	63	70
		SUCTION PRESSURE (PSIG)	115	125	133	140	144	146	147
		SUCTION TEMPERATURE (°F)	49	55	59	63	66	67	69
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	7.3	8.4	9.5	10.7	11.8	13.0	14.1
		COMPRESSOR CURRENT (A)	5.0	6.0	7.0	8.1	9.3	10.5	11.8
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	17	16	14	11
	1160	DISCHARGE PRESSURE (PSIG)	216	256	299	344	391	440	491
		DISCHARGE TEMPERATURE (°F)	106	122	139	155	170	186	202
		DISCHARGE SUPERHEAT (°F)	31	37	43	49	55	62	69
		SUCTION PRESSURE (PSIG)	118	128	136	143	147	149	150
		SUCTION TEMPERATURE (°F)	50	56	60	64	67	69	70
		SUCTION SUPERHEAT (°F)	10	12	13	14	15	16	17
OUTDOOR UNIT CURRENT (A)		7.5	8.6	9.7	10.9	12.0	13.2	14.3	
COMPRESSOR CURRENT (A)		5.0	6.0	7.0	8.1	9.3	10.5	11.8	
INDOOR COIL DB TEMP DROP (°F)		17	17	17	16	15	13	10	
90/62	760	DISCHARGE PRESSURE (PSIG)	218	259	303	348	395	445	496
		DISCHARGE TEMPERATURE (°F)	106	122	138	153	167	181	195
		DISCHARGE SUPERHEAT (°F)	31	36	41	46	51	56	62
		SUCTION PRESSURE (PSIG)	127	138	147	153	158	160	159
		SUCTION TEMPERATURE (°F)	56	61	65	68	70	72	71
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.1	10.3	11.4	12.6	13.8
		COMPRESSOR CURRENT (A)	4.9	5.9	6.9	8.0	9.2	10.4	11.7
		INDOOR COIL DB TEMP DROP (°F)	12	12	12	11	10	8	6
	960	DISCHARGE PRESSURE (PSIG)	218	259	303	348	395	445	496
		DISCHARGE TEMPERATURE (°F)	105	121	137	152	166	180	194
		DISCHARGE SUPERHEAT (°F)	30	35	40	45	50	55	61
		SUCTION PRESSURE (PSIG)	130	141	150	156	161	163	162
		SUCTION TEMPERATURE (°F)	57	62	66	69	71	73	72
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.5	11.6	12.8	14.0
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	7.9	9.1	10.3	11.6
		INDOOR COIL DB TEMP DROP (°F)	11	11	11	10	9	7	5
	1160	DISCHARGE PRESSURE (PSIG)	218	259	303	348	395	445	496
		DISCHARGE TEMPERATURE (°F)	104	120	136	151	165	179	193
		DISCHARGE SUPERHEAT (°F)	29	34	39	44	49	54	60
		SUCTION PRESSURE (PSIG)	133	144	153	159	164	166	165
		SUCTION TEMPERATURE (°F)	58	64	67	70	72	74	73
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	15	15
OUTDOOR UNIT CURRENT (A)		7.3	8.4	9.5	10.7	11.8	13.0	14.2	
COMPRESSOR CURRENT (A)		4.7	5.7	6.7	7.8	9.0	10.2	11.5	
INDOOR COIL DB TEMP DROP (°F)		10	10	10	9	8	6	4	

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## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	760	DISCHARGE PRESSURE (PSIG)	214	255	299	345	392	442	494
		DISCHARGE TEMPERATURE (°F)	109	124	140	155	169	183	197
		DISCHARGE SUPERHEAT (°F)	35	39	44	49	54	59	64
		SUCTION PRESSURE (PSIG)	115	127	137	145	151	156	158
		SUCTION TEMPERATURE (°F)	51	57	62	66	68	71	72
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	6.9	8.0	9.1	10.3	11.5	12.6	13.8
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	8.0	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	35	36	36	35	33	30	26	
	960	DISCHARGE PRESSURE (PSIG)	216	257	301	347	394	444	496
		DISCHARGE TEMPERATURE (°F)	108	123	138	153	168	182	195
		DISCHARGE SUPERHEAT (°F)	33	37	42	47	52	57	62
		SUCTION PRESSURE (PSIG)	122	134	144	152	158	163	165
		SUCTION TEMPERATURE (°F)	54	60	65	69	71	74	74
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	7.1	8.2	9.3	10.5	11.7	12.8	14.0
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	8.0	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	30	27	23	
	1160	DISCHARGE PRESSURE (PSIG)	218	259	303	349	396	446	498
		DISCHARGE TEMPERATURE (°F)	106	121	137	152	166	180	194
		DISCHARGE SUPERHEAT (°F)	31	35	40	45	50	55	60
		SUCTION PRESSURE (PSIG)	129	141	151	159	165	170	172
		SUCTION TEMPERATURE (°F)	57	62	67	71	73	76	77
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	16	16
		OUTDOOR UNIT CURRENT (A)	7.3	8.4	9.5	10.7	11.9	13.0	14.2
		COMPRESSOR CURRENT (A)	4.8	5.8	6.8	8.0	9.1	10.4	11.7
	INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	27	24	20	
	70/62	760	DISCHARGE PRESSURE (PSIG)	219	260	304	349	397	446
DISCHARGE TEMPERATURE (°F)			106	123	138	153	167	181	196
DISCHARGE SUPERHEAT (°F)			31	36	41	46	51	56	62
SUCTION PRESSURE (PSIG)			130	141	150	156	160	161	160
SUCTION TEMPERATURE (°F)			57	62	67	69	72	72	72
SUCTION SUPERHEAT (°F)			12	13	14	14	15	15	15
OUTDOOR UNIT CURRENT (A)			6.7	7.9	9.1	10.3	11.5	12.8	14.1
COMPRESSOR CURRENT (A)			4.6	5.7	6.8	7.9	9.2	10.6	12.0
INDOOR COIL DB TEMP DROP (°F)		29	30	31	31	30	28	26	
960		DISCHARGE PRESSURE (PSIG)	220	261	305	350	398	447	499
		DISCHARGE TEMPERATURE (°F)	106	122	137	152	166	180	195
		DISCHARGE SUPERHEAT (°F)	30	35	40	45	50	55	61
		SUCTION PRESSURE (PSIG)	135	146	155	161	165	166	165
		SUCTION TEMPERATURE (°F)	59	64	69	71	73	74	73
		SUCTION SUPERHEAT (°F)	12	13	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	6.9	8.1	9.3	10.5	11.7	13.0	14.3
		COMPRESSOR CURRENT (A)	4.6	5.7	6.8	7.9	9.2	10.6	12.0
INDOOR COIL DB TEMP DROP (°F)		27	28	29	29	28	26	24	
1160		DISCHARGE PRESSURE (PSIG)	221	262	306	351	399	448	500
		DISCHARGE TEMPERATURE (°F)	105	121	137	151	166	179	194
		DISCHARGE SUPERHEAT (°F)	29	34	39	44	49	54	60
		SUCTION PRESSURE (PSIG)	140	151	160	166	170	171	170
		SUCTION TEMPERATURE (°F)	61	66	71	73	75	75	75
		SUCTION SUPERHEAT (°F)	12	13	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	7.1	8.3	9.5	10.7	11.9	13.2	14.5
		COMPRESSOR CURRENT (A)	4.6	5.7	6.8	7.9	9.2	10.6	12.0
INDOOR COIL DB TEMP DROP (°F)		25	26	27	27	26	24	22	

Standard cooling high-speed service data for use with models:

**PHE6B4221**  
**PHG6B420752X1**  
**PHG6B421002X1**  
**PHG6B420753X1**  
**PHG6B421003X1**

PHE6B42 AND PHG6B42 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	199 (47)	202 (49)	203 (53)	202 (56)
60	216 (47)	219 (47)	220 (50)	221 (53)
65	233 (46)	236 (46)	238 (48)	240 (51)
70	251 (46)	254 (46)	257 (47)	260 (49)
75	271 (47)	274 (45)	277 (46)	281 (47)
80	291 (47)	294 (46)	298 (45)	302 (46)
85	312 (48)	315 (46)	319 (45)	324 (46)
90	334 (49)	337 (47)	341 (45)	347 (46)
95	357 (50)	360 (48)	365 (46)	370 (46)
100	381 (52)	384 (50)	388 (48)	394 (47)
105	406 (53)	408 (52)	413 (49)	419 (49)
110	432 (56)	434 (54)	438 (52)	444 (51)
115	459 (58)	461 (57)	465 (55)	470 (54)
120	487 (60)	488 (60)	492 (58)	497 (57)
125	516 (63)	516 (64)	520 (62)	524 (60)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B42 and PHG6B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1090	DISCHARGE PRESSURE (PSIG)	201	235	272	313	358	406	458	514
		DISCHARGE TEMPERATURE (°F)	118	126	135	145	157	170	184	199
		DISCHARGE SUPERHEAT (°F)	48	46	45	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	109	114	119	123	128	132	136	139
		SUCTION TEMPERATURE (°F)	55	55	55	55	57	59	61	65
		SUCTION SUPERHEAT (°F)	19	17	15	13	13	13	14	16
		OUTDOOR UNIT CURRENT (A)	10.0	10.7	11.6	12.7	14.0	15.4	17.1	18.9
		COMPRESSOR CURRENT (A)	7.2	7.9	8.9	10.0	11.3	12.7	14.4	16.2
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	22	21	19
	1290	DISCHARGE PRESSURE (PSIG)	202	236	273	314	359	407	459	515
		DISCHARGE TEMPERATURE (°F)	118	126	135	145	157	170	184	199
		DISCHARGE SUPERHEAT (°F)	48	46	45	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	112	117	122	126	131	135	139	142
		SUCTION TEMPERATURE (°F)	57	57	58	57	59	61	64	67
		SUCTION SUPERHEAT (°F)	20	18	16	14	14	14	15	17
		OUTDOOR UNIT CURRENT (A)	10.5	11.2	12.1	13.2	14.5	15.9	17.6	19.4
		COMPRESSOR CURRENT (A)	7.2	7.9	8.9	10.0	11.3	12.7	14.4	16.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	17
	1490	DISCHARGE PRESSURE (PSIG)	203	237	274	315	360	408	460	516
		DISCHARGE TEMPERATURE (°F)	119	126	135	146	157	170	184	200
		DISCHARGE SUPERHEAT (°F)	48	46	45	46	48	52	57	63
		SUCTION PRESSURE (PSIG)	115	120	125	129	134	138	142	145
		SUCTION TEMPERATURE (°F)	60	60	60	60	62	63	66	69
		SUCTION SUPERHEAT (°F)	21	19	17	15	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	11.0	11.7	12.6	13.7	15.0	16.4	18.1	19.9
		COMPRESSOR CURRENT (A)	7.2	7.9	8.9	10.0	11.3	12.7	14.4	16.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	18	17	15

Continued on next page

## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1090	DISCHARGE PRESSURE (PSIG)	196	230	268	309	354	403	456	513
		DISCHARGE TEMPERATURE (°F)	117	126	137	147	159	171	186	200
		DISCHARGE SUPERHEAT (°F)	48	47	48	49	51	54	59	64
		SUCTION PRESSURE (PSIG)	101	105	109	114	119	124	129	134
		SUCTION TEMPERATURE (°F)	51	51	51	52	54	57	59	62
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	9.9	10.6	11.5	12.6	13.9	15.3	17.0	18.9
		COMPRESSOR CURRENT (A)	7.0	7.7	8.6	9.8	11.1	12.5	14.2	16.1
	INDOOR COIL DB TEMP DROP (°F)	37	36	35	33	32	30	27	25	
	1290	DISCHARGE PRESSURE (PSIG)	199	233	271	312	357	406	459	516
		DISCHARGE TEMPERATURE (°F)	116	125	136	147	158	171	185	200
		DISCHARGE SUPERHEAT (°F)	47	46	47	48	50	53	58	63
		SUCTION PRESSURE (PSIG)	108	112	116	121	126	131	136	141
		SUCTION TEMPERATURE (°F)	54	54	54	55	57	59	61	64
		SUCTION SUPERHEAT (°F)	19	17	15	14	14	14	14	15
		OUTDOOR UNIT CURRENT (A)	10.4	11.1	12.0	13.1	14.4	15.8	17.5	19.4
		COMPRESSOR CURRENT (A)	7.1	7.8	8.7	9.9	11.2	12.6	14.3	16.2
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	30	29	27	24	22	
	1490	DISCHARGE PRESSURE (PSIG)	202	236	274	315	360	409	462	519
		DISCHARGE TEMPERATURE (°F)	116	125	136	147	158	171	185	199
		DISCHARGE SUPERHEAT (°F)	46	45	46	47	49	52	57	62
		SUCTION PRESSURE (PSIG)	115	119	123	128	133	138	143	148
		SUCTION TEMPERATURE (°F)	59	58	58	59	61	63	65	68
		SUCTION SUPERHEAT (°F)	20	18	16	15	15	15	15	16
		OUTDOOR UNIT CURRENT (A)	10.9	11.6	12.5	13.6	14.9	16.3	18.0	19.9
		COMPRESSOR CURRENT (A)	7.2	7.9	8.8	10.0	11.3	12.7	14.4	16.3
	INDOOR COIL DB TEMP DROP (°F)	31	30	29	27	26	24	21	19	
	80/62	1090	DISCHARGE PRESSURE (PSIG)	201	235	273	314	359	407	460
DISCHARGE TEMPERATURE (°F)			119	126	135	145	157	170	184	200
DISCHARGE SUPERHEAT (°F)			49	46	45	46	48	52	57	64
SUCTION PRESSURE (PSIG)			110	114	118	122	127	131	136	140
SUCTION TEMPERATURE (°F)			57	55	55	55	57	58	62	66
SUCTION SUPERHEAT (°F)			21	17	15	13	13	13	15	17
OUTDOOR UNIT CURRENT (A)			10.0	10.7	11.6	12.7	14.0	15.5	17.1	19.0
COMPRESSOR CURRENT (A)			7.2	8.0	8.9	10.0	11.3	12.8	14.4	16.3
INDOOR COIL DB TEMP DROP (°F)		31	31	30	30	28	27	25	23	
1290		DISCHARGE PRESSURE (PSIG)	202	236	274	315	360	408	461	516
		DISCHARGE TEMPERATURE (°F)	119	126	135	146	157	170	185	201
		DISCHARGE SUPERHEAT (°F)	49	46	45	46	48	52	57	64
		SUCTION PRESSURE (PSIG)	114	118	122	126	131	135	140	144
		SUCTION TEMPERATURE (°F)	60	58	58	57	59	61	65	69
		SUCTION SUPERHEAT (°F)	22	18	16	14	14	14	16	18
		OUTDOOR UNIT CURRENT (A)	10.5	11.2	12.1	13.2	14.5	16.0	17.6	19.5
		COMPRESSOR CURRENT (A)	7.2	8.0	8.9	10.0	11.3	12.8	14.4	16.3
INDOOR COIL DB TEMP DROP (°F)		29	29	28	28	26	25	23	21	
1490		DISCHARGE PRESSURE (PSIG)	203	237	275	316	361	409	462	517
		DISCHARGE TEMPERATURE (°F)	120	126	135	146	157	171	185	201
		DISCHARGE SUPERHEAT (°F)	49	46	45	46	48	52	57	64
		SUCTION PRESSURE (PSIG)	118	122	126	130	135	139	144	148
		SUCTION TEMPERATURE (°F)	63	61	60	60	62	64	68	71
		SUCTION SUPERHEAT (°F)	23	19	17	15	15	15	17	19
		OUTDOOR UNIT CURRENT (A)	11.0	11.7	12.6	13.7	15.0	16.5	18.1	20.0
		COMPRESSOR CURRENT (A)	7.2	8.0	8.9	10.0	11.3	12.8	14.4	16.3
INDOOR COIL DB TEMP DROP (°F)		27	27	26	26	24	23	21	19	

Continued on next page

## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1090	DISCHARGE PRESSURE (PSIG)	202	237	276	318	364	412	464	519
		DISCHARGE TEMPERATURE (°F)	123	128	137	145	156	168	183	199
		DISCHARGE SUPERHEAT (°F)	53	48	46	45	46	49	55	62
		SUCTION PRESSURE (PSIG)	113	121	128	134	139	143	146	148
		SUCTION TEMPERATURE (°F)	63	61	60	61	62	63	65	69
		SUCTION SUPERHEAT (°F)	25	20	16	14	13	13	14	17
		OUTDOOR UNIT CURRENT (A)	10.0	10.8	11.7	12.8	14.1	15.5	17.1	18.9
		COMPRESSOR CURRENT (A)	7.2	8.0	9.0	10.1	11.4	12.8	14.4	16.2
		INDOOR COIL DB TEMP DROP (°F)	26	26	26	25	24	23	22	20
	1290	DISCHARGE PRESSURE (PSIG)	203	238	277	319	365	413	465	520
		DISCHARGE TEMPERATURE (°F)	124	129	137	145	156	168	183	199
		DISCHARGE SUPERHEAT (°F)	53	48	46	45	46	49	55	62
		SUCTION PRESSURE (PSIG)	116	124	131	137	142	146	149	151
		SUCTION TEMPERATURE (°F)	65	64	62	63	64	65	68	71
		SUCTION SUPERHEAT (°F)	26	21	17	15	14	14	15	18
		OUTDOOR UNIT CURRENT (A)	10.5	11.3	12.2	13.3	14.6	16.0	17.6	19.4
		COMPRESSOR CURRENT (A)	7.2	8.0	9.0	10.1	11.4	12.8	14.4	16.2
		INDOOR COIL DB TEMP DROP (°F)	24	24	24	23	22	21	20	18
	1490	DISCHARGE PRESSURE (PSIG)	204	239	278	320	366	414	466	521
		DISCHARGE TEMPERATURE (°F)	124	129	137	146	156	168	183	199
		DISCHARGE SUPERHEAT (°F)	53	48	46	45	46	49	55	62
		SUCTION PRESSURE (PSIG)	119	127	134	140	145	149	152	154
		SUCTION TEMPERATURE (°F)	67	66	65	65	66	68	70	73
		SUCTION SUPERHEAT (°F)	27	22	18	16	15	15	16	19
OUTDOOR UNIT CURRENT (A)		11.0	11.8	12.7	13.8	15.1	16.5	18.1	19.9	
COMPRESSOR CURRENT (A)		7.2	8.0	9.0	10.1	11.4	12.8	14.4	16.2	
INDOOR COIL DB TEMP DROP (°F)		22	22	22	21	20	19	18	16	
80/72	1090	DISCHARGE PRESSURE (PSIG)	201	239	280	323	369	418	469	523
		DISCHARGE TEMPERATURE (°F)	125	131	137	146	156	168	182	197
		DISCHARGE SUPERHEAT (°F)	55	50	46	45	45	48	53	59
		SUCTION PRESSURE (PSIG)	115	127	137	146	152	157	161	163
		SUCTION TEMPERATURE (°F)	68	67	67	67	69	70	73	76
		SUCTION SUPERHEAT (°F)	29	23	19	16	15	15	16	18
		OUTDOOR UNIT CURRENT (A)	9.9	10.8	11.7	12.9	14.2	15.7	17.3	19.1
		COMPRESSOR CURRENT (A)	7.2	8.0	9.0	10.2	11.5	13.0	14.6	16.4
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	19	18	17	15	13
	1290	DISCHARGE PRESSURE (PSIG)	202	240	281	324	370	419	470	524
		DISCHARGE TEMPERATURE (°F)	126	132	139	148	157	169	183	198
		DISCHARGE SUPERHEAT (°F)	56	51	47	46	46	49	54	60
		SUCTION PRESSURE (PSIG)	116	128	138	147	153	158	162	164
		SUCTION TEMPERATURE (°F)	69	68	68	69	70	72	74	77
		SUCTION SUPERHEAT (°F)	30	24	20	17	16	16	17	19
		OUTDOOR UNIT CURRENT (A)	10.4	11.3	12.2	13.4	14.7	16.2	17.8	19.6
		COMPRESSOR CURRENT (A)	7.2	8.0	9.0	10.2	11.5	13.0	14.6	16.4
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	17	16	14	12
	1490	DISCHARGE PRESSURE (PSIG)	203	241	282	325	371	420	471	525
		DISCHARGE TEMPERATURE (°F)	127	133	139	148	157	170	183	198
		DISCHARGE SUPERHEAT (°F)	56	51	47	46	46	49	54	60
		SUCTION PRESSURE (PSIG)	117	129	139	148	154	159	163	165
		SUCTION TEMPERATURE (°F)	70	70	70	70	71	73	76	78
		SUCTION SUPERHEAT (°F)	31	25	21	18	17	17	18	20
OUTDOOR UNIT CURRENT (A)		10.9	11.8	12.7	13.9	15.2	16.7	18.3	20.1	
COMPRESSOR CURRENT (A)		7.2	8.0	9.0	10.2	11.5	13.0	14.6	16.4	
INDOOR COIL DB TEMP DROP (°F)		18	18	17	17	16	15	13	11	

Extended cooling high-speed service data for use with models:

**PHE6B4221**  
**PHG6B420752X1**  
**PHG6B421002X1**  
**PHG6B420753X1**  
**PHG6B421003X1**

**PHE6B42 and PHG6B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1090	DISCHARGE PRESSURE (PSIG)	228	271	316	364	413	465	519
		DISCHARGE TEMPERATURE (°F)	117	132	148	162	174	186	198
		DISCHARGE SUPERHEAT (°F)	39	43	48	52	55	58	61
		SUCTION PRESSURE (PSIG)	110	121	130	138	143	147	149
		SUCTION TEMPERATURE (°F)	50	56	61	65	67	70	71
		SUCTION SUPERHEAT (°F)	14	15	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	9.9	11.4	13.0	14.5	16.0	17.6	19.1
		COMPRESSOR CURRENT (A)	7.4	8.8	10.2	11.6	13.2	14.7	16.4
	INDOOR COIL DB TEMP DROP (°F)	36	38	38	37	35	32	28	
	1290	DISCHARGE PRESSURE (PSIG)	231	274	319	367	416	468	522
		DISCHARGE TEMPERATURE (°F)	118	133	148	162	175	187	198
		DISCHARGE SUPERHEAT (°F)	39	43	48	52	55	58	61
		SUCTION PRESSURE (PSIG)	116	127	136	144	149	153	155
		SUCTION TEMPERATURE (°F)	53	59	63	68	70	72	73
		SUCTION SUPERHEAT (°F)	14	15	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	10.3	11.8	13.4	14.9	16.4	18.0	19.5
		COMPRESSOR CURRENT (A)	7.4	8.8	10.2	11.6	13.2	14.7	16.4
	INDOOR COIL DB TEMP DROP (°F)	33	35	35	34	32	29	25	
	1490	DISCHARGE PRESSURE (PSIG)	234	277	322	370	419	471	525
		DISCHARGE TEMPERATURE (°F)	119	134	149	163	175	187	199
		DISCHARGE SUPERHEAT (°F)	39	43	48	52	55	58	61
		SUCTION PRESSURE (PSIG)	122	133	142	150	155	159	161
		SUCTION TEMPERATURE (°F)	57	62	67	71	73	75	76
		SUCTION SUPERHEAT (°F)	15	16	17	18	18	19	19
OUTDOOR UNIT CURRENT (A)		10.7	12.2	13.8	15.3	16.8	18.4	19.9	
COMPRESSOR CURRENT (A)		7.4	8.8	10.2	11.6	13.2	14.7	16.4	
INDOOR COIL DB TEMP DROP (°F)	30	32	32	31	29	26	22		

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## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1090	DISCHARGE PRESSURE (PSIG)	228	271	316	362	411	462	514
		DISCHARGE TEMPERATURE (°F)	117	133	148	161	175	188	200
		DISCHARGE SUPERHEAT (°F)	39	44	48	52	56	60	64
		SUCTION PRESSURE (PSIG)	108	117	125	131	134	136	136
		SUCTION TEMPERATURE (°F)	48	53	58	60	63	63	62
		SUCTION SUPERHEAT (°F)	13	14	15	15	16	16	15
		OUTDOOR UNIT CURRENT (A)	9.9	11.5	13.0	14.5	16.0	17.5	19.0
		COMPRESSOR CURRENT (A)	7.3	8.6	10.0	11.5	13.0	14.6	16.2
		INDOOR COIL DB TEMP DROP (°F)	19	20	20	19	18	16	14
	1290	DISCHARGE PRESSURE (PSIG)	228	271	316	362	411	462	514
		DISCHARGE TEMPERATURE (°F)	117	133	148	161	175	188	200
		DISCHARGE SUPERHEAT (°F)	39	44	48	52	56	60	64
		SUCTION PRESSURE (PSIG)	110	119	127	133	136	138	138
		SUCTION TEMPERATURE (°F)	49	54	59	61	63	64	63
		SUCTION SUPERHEAT (°F)	13	14	15	15	16	16	15
		OUTDOOR UNIT CURRENT (A)	10.2	11.8	13.3	14.8	16.3	17.8	19.3
		COMPRESSOR CURRENT (A)	7.3	8.6	10.0	11.5	13.0	14.6	16.2
		INDOOR COIL DB TEMP DROP (°F)	18	19	19	18	17	15	13
	1490	DISCHARGE PRESSURE (PSIG)	228	271	316	362	411	462	514
		DISCHARGE TEMPERATURE (°F)	117	133	148	161	175	188	200
		DISCHARGE SUPERHEAT (°F)	39	44	48	52	56	60	64
		SUCTION PRESSURE (PSIG)	112	121	129	135	138	140	140
		SUCTION TEMPERATURE (°F)	50	55	60	62	64	65	64
		SUCTION SUPERHEAT (°F)	13	14	15	15	16	16	15
		OUTDOOR UNIT CURRENT (A)	10.5	12.1	13.6	15.1	16.6	18.1	19.6
		COMPRESSOR CURRENT (A)	7.3	8.6	10.0	11.5	13.0	14.6	16.2
		INDOOR COIL DB TEMP DROP (°F)	17	18	18	17	16	14	12
	90/62	1090	DISCHARGE PRESSURE (PSIG)	232	275	320	367	416	467
DISCHARGE TEMPERATURE (°F)			117	132	148	161	174	186	197
DISCHARGE SUPERHEAT (°F)			38	42	47	51	54	57	60
SUCTION PRESSURE (PSIG)			118	129	137	144	148	151	151
SUCTION TEMPERATURE (°F)			54	60	64	67	69	70	70
SUCTION SUPERHEAT (°F)			14	15	16	16	17	17	17
OUTDOOR UNIT CURRENT (A)			10.1	11.6	13.1	14.6	16.1	17.5	18.9
COMPRESSOR CURRENT (A)			7.5	8.9	10.2	11.7	13.1	14.7	16.2
INDOOR COIL DB TEMP DROP (°F)			14	14	14	13	11	10	7
1290		DISCHARGE PRESSURE (PSIG)	233	276	321	368	417	468	520
		DISCHARGE TEMPERATURE (°F)	117	133	148	162	174	186	197
		DISCHARGE SUPERHEAT (°F)	38	42	47	51	54	57	60
		SUCTION PRESSURE (PSIG)	120	131	139	146	150	153	153
		SUCTION TEMPERATURE (°F)	55	60	65	67	70	71	71
		SUCTION SUPERHEAT (°F)	14	15	16	16	17	17	17
		OUTDOOR UNIT CURRENT (A)	10.5	12.0	13.5	15.0	16.5	17.9	19.3
		COMPRESSOR CURRENT (A)	7.5	8.9	10.2	11.7	13.1	14.7	16.2
		INDOOR COIL DB TEMP DROP (°F)	13	13	13	12	10	9	6
1490		DISCHARGE PRESSURE (PSIG)	234	277	322	369	418	469	521
		DISCHARGE TEMPERATURE (°F)	118	133	148	162	174	186	197
		DISCHARGE SUPERHEAT (°F)	38	42	47	51	54	57	60
		SUCTION PRESSURE (PSIG)	122	133	141	148	152	155	155
		SUCTION TEMPERATURE (°F)	56	61	65	68	71	72	72
		SUCTION SUPERHEAT (°F)	14	15	16	16	17	17	17
		OUTDOOR UNIT CURRENT (A)	10.9	12.4	13.9	15.4	16.9	18.3	19.7
		COMPRESSOR CURRENT (A)	7.5	8.9	10.2	11.7	13.1	14.7	16.2
		INDOOR COIL DB TEMP DROP (°F)	12	12	12	11	9	8	5

Continued on next page

## PHE6B42 and PHG6B42 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1090	DISCHARGE PRESSURE (PSIG)	230	273	318	365	413	464	517
		DISCHARGE TEMPERATURE (°F)	118	134	148	162	175	188	200
		DISCHARGE SUPERHEAT (°F)	39	44	48	52	56	60	63
		SUCTION PRESSURE (PSIG)	115	125	134	141	145	148	149
		SUCTION TEMPERATURE (°F)	53	58	63	66	68	70	71
		SUCTION SUPERHEAT (°F)	14	15	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	10.0	11.5	13.0	14.6	16.1	17.6	19.1
		COMPRESSOR CURRENT (A)	7.4	8.8	10.2	11.7	13.2	14.7	16.4
	INDOOR COIL DB TEMP DROP (°F)	33	35	35	35	33	31	28	
	1290	DISCHARGE PRESSURE (PSIG)	233	276	321	368	416	467	520
		DISCHARGE TEMPERATURE (°F)	117	134	148	162	175	188	199
		DISCHARGE SUPERHEAT (°F)	38	43	47	51	55	59	62
		SUCTION PRESSURE (PSIG)	120	130	139	146	150	153	154
		SUCTION TEMPERATURE (°F)	55	60	65	68	70	72	72
		SUCTION SUPERHEAT (°F)	14	15	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	10.4	11.9	13.4	15.0	16.5	18.0	19.5
		COMPRESSOR CURRENT (A)	7.4	8.8	10.2	11.7	13.2	14.7	16.4
	INDOOR COIL DB TEMP DROP (°F)	31	33	33	33	31	29	26	
	1490	DISCHARGE PRESSURE (PSIG)	236	279	324	371	419	470	523
		DISCHARGE TEMPERATURE (°F)	117	133	148	161	174	187	199
		DISCHARGE SUPERHEAT (°F)	37	42	46	50	54	58	61
		SUCTION PRESSURE (PSIG)	125	135	144	151	155	158	159
		SUCTION TEMPERATURE (°F)	57	62	67	70	72	74	74
		SUCTION SUPERHEAT (°F)	14	15	16	17	17	18	18
		OUTDOOR UNIT CURRENT (A)	10.8	12.3	13.8	15.4	16.9	18.4	19.9
		COMPRESSOR CURRENT (A)	7.4	8.8	10.2	11.7	13.2	14.7	16.4
	INDOOR COIL DB TEMP DROP (°F)	29	31	31	31	29	27	24	
	70/62	1090	DISCHARGE PRESSURE (PSIG)	235	278	323	370	419	470
DISCHARGE TEMPERATURE (°F)			118	133	147	161	173	185	196
DISCHARGE SUPERHEAT (°F)			38	42	46	50	53	56	58
SUCTION PRESSURE (PSIG)			123	134	144	150	155	158	158
SUCTION TEMPERATURE (°F)			57	63	68	70	72	73	72
SUCTION SUPERHEAT (°F)			15	16	17	17	17	17	16
OUTDOOR UNIT CURRENT (A)			10.1	11.6	13.1	14.7	16.2	17.7	19.2
COMPRESSOR CURRENT (A)			7.5	8.9	10.3	11.8	13.3	14.8	16.5
INDOOR COIL DB TEMP DROP (°F)		29	30	31	30	29	27	25	
1290		DISCHARGE PRESSURE (PSIG)	236	279	324	371	420	471	524
		DISCHARGE TEMPERATURE (°F)	119	134	149	162	175	186	197
		DISCHARGE SUPERHEAT (°F)	39	43	47	51	54	57	59
		SUCTION PRESSURE (PSIG)	126	137	147	153	158	161	161
		SUCTION TEMPERATURE (°F)	59	65	70	72	74	75	74
		SUCTION SUPERHEAT (°F)	16	17	18	18	18	18	17
		OUTDOOR UNIT CURRENT (A)	10.5	12.0	13.5	15.1	16.6	18.1	19.6
		COMPRESSOR CURRENT (A)	7.5	8.9	10.3	11.8	13.3	14.8	16.5
INDOOR COIL DB TEMP DROP (°F)		27	28	29	28	27	25	23	
1490		DISCHARGE PRESSURE (PSIG)	237	280	325	372	421	472	525
		DISCHARGE TEMPERATURE (°F)	120	135	150	163	176	187	198
		DISCHARGE SUPERHEAT (°F)	40	44	48	52	55	58	60
		SUCTION PRESSURE (PSIG)	129	140	150	156	161	164	164
		SUCTION TEMPERATURE (°F)	62	67	72	74	76	77	76
		SUCTION SUPERHEAT (°F)	17	18	19	19	19	19	18
		OUTDOOR UNIT CURRENT (A)	10.9	12.4	13.9	15.5	17.0	18.5	20.0
		COMPRESSOR CURRENT (A)	7.5	8.9	10.3	11.8	13.3	14.8	16.5
INDOOR COIL DB TEMP DROP (°F)		25	26	27	26	25	23	21	

Standard heating low-speed service data for use with models:

**PHE6B4221**  
**PHG6B420752X1**  
**PHG6B421002X1**  
**PHG6B420753X1**  
**PHG6B421003X1**

PHE6B42 AND PHG6B42 SUPERHEAT CHARGING CHART			
INDOOR WET BULB (°F)	OUTDOOR AMBIENT DB (°F)		
	60	47	40
60	316 (3)	295 (7)	286 (10)
65	332 (4)	311 (8)	303 (11)
70	348 (4)	326 (9)	320 (12)
75	364 (4)	342 (9)	337 (13)
80	380 (4)	358 (10)	354 (14)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B42 and PHG6B42**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA		
			60	47	40
60	1150	Suction Prs./Temp.	130 / 57	105 / 46	92 / 41
		Liquid Prs./Temp.	272 / 87	256 / 80	249 / 75
		ID Air DB Temp. Rise	27	22	19
		Total Amp./Comp Amp.	9.3 / 6.5	9.4 / 6.5	9.4 / 6.5
	950	Suction Prs./Temp.	131 / 57	106 / 47	93 / 42
		Liquid Prs./Temp.	300 / 93	280 / 85	270 / 80
		ID Air DB Temp. Rise	33	27	24
		Total Amp./Comp Amp.	9.7 / 7.2	9.6 / 7.1	9.5 / 7
	750	Suction Prs./Temp.	131 / 57	106 / 48	93 / 42
		Liquid Prs./Temp.	327 / 98	303 / 89	292 / 84
		ID Air DB Temp. Rise	39	33	28
		Total Amp./Comp Amp.	10 / 7.9	9.8 / 7.6	9.7 / 7.5
70	1150	Suction Prs./Temp.	132 / 58	106 / 47	94 / 42
		Liquid Prs./Temp.	312 / 95	295 / 87	290 / 83
		ID Air DB Temp. Rise	25	20	18
		Total Amp./Comp Amp.	10.3 / 7.5	10.3 / 7.4	10.4 / 7.5
	950	Suction Prs./Temp.	133 / 58	107 / 48	94 / 43
		Liquid Prs./Temp.	340 / 101	319 / 92	312 / 87
		ID Air DB Temp. Rise	31	25	22
		Total Amp./Comp Amp.	10.7 / 8.2	10.6 / 8.1	10.6 / 8
	750	Suction Prs./Temp.	134 / 58	107 / 49	95 / 43
		Liquid Prs./Temp.	368 / 106	343 / 96	335 / 91
		ID Air DB Temp. Rise	36	30	26
		Total Amp./Comp Amp.	11.1 / 8.9	10.9 / 8.7	10.8 / 8.6
80	1150	Suction Prs./Temp.	134 / 58	107 / 48	95 / 43
		Liquid Prs./Temp.	351 / 103	333 / 95	331 / 90
		ID Air DB Temp. Rise	24	19	17
		Total Amp./Comp Amp.	11.3 / 8.5	11.2 / 8.4	11.4 / 8.5
	950	Suction Prs./Temp.	135 / 59	108 / 49	96 / 44
		Liquid Prs./Temp.	380 / 109	358 / 99	354 / 94
		ID Air DB Temp. Rise	29	23	20
		Total Amp./Comp Amp.	11.8 / 9.3	11.6 / 9	11.6 / 9.1
	750	Suction Prs./Temp.	136 / 59	108 / 50	97 / 44
		Liquid Prs./Temp.	410 / 114	382 / 103	378 / 97
		ID Air DB Temp. Rise	34	28	24
		Total Amp./Comp Amp.	12.2 / 10	11.9 / 9.7	11.9 / 9.7



Extended heating low-speed service data for use with models:

**PHE6B4221**

**PHG6B420752X1**

**PHG6B421002X1**

**PHG6B420753X1**

**PHG6B421003X1**

**PHE6B42 and PHG6B42**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
3.5	1070	60	MBH	13.2	15.9	18.5	21.1	29.9	33.1	35.6	46.1
			KW	2.0	2.2	2.5	2.5	2.7	2.7	2.4	3.0
		70	MBH	14.0	16.0	18.0	20.0	27.7	28.9	36.0	44.0
			KW	2.2	2.4	2.7	2.7	2.9	2.8	2.9	3.3
		80	MBH	13.8	15.8	17.8	19.8	25.4	29.1	36.3	41.8
			KW	2.4	2.6	2.9	3.0	3.1	3.4	3.4	3.6
	1270	60	MBH	13.1	15.5	17.9	20.3	28.7	32.4	36.1	39.8
			KW	2.1	2.2	2.5	2.5	2.6	2.4	2.2	2.0
		70	MBH	13.4	15.7	18.0	20.3	29.0	37.4	39.8	46.4
			KW	2.3	2.4	2.7	2.7	2.9	2.8	2.8	2.7
		80	MBH	13.4	15.9	18.4	20.9	29.8	32.8	39.6	47.0
			KW	2.5	2.7	2.8	3.0	3.1	3.2	3.3	3.5
	1470	60	MBH	13.5	15.9	18.3	20.7	27.5	28.3	39.7	47.0
			KW	2.1	2.3	2.5	2.5	2.6	2.5	2.4	2.8
		70	MBH	13.8	15.2	16.6	18.0	24.8	27.5	38.4	47.0
			KW	2.4	2.5	2.7	2.7	2.8	2.7	2.8	3.1
		80	MBH	13.0	14.7	16.4	18.1	22.1	24.2	37.2	47.0
			KW	2.6	2.7	2.9	3.1	3.0	3.0	3.3	3.4

Standard heating high-speed service data for use with models:

**PHE6B4221**  
**PHG6B420752X1**  
**PHG6B421002X1**  
**PHG6B420753X1**  
**PHG6B421003X1**

PHE6B42 AND PHG6B42 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	317 (5)	278 (8)	261 (7)	271 (12)	241 (8)
65	333 (5)	299 (9)	272 (7)	286 (13)	254 (11)
70	349 (5)	319 (10)	283 (7)	301 (13)	267 (12)
75	365 (5)	340 (10)	294 (6)	316 (13)	280 (12)
80	381 (5)	361 (10)	305 (6)	331 (13)	294 (12)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B42 and PHG6B42**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1470	Suction Prs./Temp.	112 / 50	102 / 43	46 / 21	62 / 28	32 / 6	38 / 14
		Liquid Prs./Temp.	278 / 86	251 / 78	221 / 71	239 / 71	214 / 64	218 / 64
		ID Air DB Temp. Rise	28	22	13	13	8	9
		Total Amp./Comp Amp.	12.8 / 9.1	10.3 / 6.9	11.6 / 7.8	11.8 / 8.1	11.2 / 7.4	11.5 / 7.7
	1270	Suction Prs./Temp.	113 / 51	101 / 43	62 / 27	66 / 30	35 / 12	39 / 15
		Liquid Prs./Temp.	301 / 92	258 / 79	250 / 77	257 / 74	228 / 67	230 / 66
		ID Air DB Temp. Rise	33	26	20	20	12	12
		Total Amp./Comp Amp.	12.9 / 9.7	10.2 / 7.3	11.9 / 8.5	11.9 / 8.6	11.1 / 7.8	11.3 / 7.9
	1070	Suction Prs./Temp.	115 / 51	99 / 43	78 / 34	70 / 32	39 / 19	40 / 16
		Liquid Prs./Temp.	323 / 97	265 / 80	280 / 84	274 / 78	242 / 69	241 / 68
		ID Air DB Temp. Rise	38	30	27	27	15	14
		Total Amp./Comp Amp.	13.1 / 10.3	10.2 / 7.7	12.1 / 9.2	12 / 9.1	11 / 8.1	11.1 / 8.2
70	1470	Suction Prs./Temp.	114 / 51	97 / 42	43 / 18	60 / 29	32 / 8	35 / 16
		Liquid Prs./Temp.	317 / 95	295 / 87	255 / 80	276 / 78	249 / 73	251 / 72
		ID Air DB Temp. Rise	26	21	11	11	7	8
		Total Amp./Comp Amp.	13.9 / 10.2	12.5 / 8.9	12.6 / 8.7	12.8 / 9.1	12.2 / 8.4	12.3 / 8.4
	1270	Suction Prs./Temp.	115 / 51	97 / 42	52 / 22	64 / 30	34 / 12	38 / 17
		Liquid Prs./Temp.	341 / 100	309 / 89	277 / 84	294 / 82	261 / 75	265 / 74
		ID Air DB Temp. Rise	31	25	16	16	10	10
		Total Amp./Comp Amp.	14.1 / 10.9	12.5 / 9.4	12.7 / 9.3	12.9 / 9.6	12.1 / 8.7	12.2 / 8.8
	1070	Suction Prs./Temp.	116 / 52	96 / 43	61 / 26	68 / 31	36 / 17	41 / 17
		Liquid Prs./Temp.	364 / 105	324 / 91	300 / 89	311 / 86	273 / 77	278 / 77
		ID Air DB Temp. Rise	36	29	21	21	12	13
		Total Amp./Comp Amp.	14.4 / 11.6	12.6 / 9.9	12.8 / 9.8	13 / 10.2	12 / 9.1	12 / 9.1
80	1470	Suction Prs./Temp.	116 / 52	91 / 42	40 / 15	58 / 30	32 / 10	33 / 19
		Liquid Prs./Temp.	357 / 103	339 / 96	290 / 88	313 / 86	285 / 81	284 / 80
		ID Air DB Temp. Rise	25	20	9	9	6	6
		Total Amp./Comp Amp.	15 / 11.3	14.6 / 10.9	13.5 / 9.6	13.9 / 10.2	13.3 / 9.4	13.1 / 9.2
	1270	Suction Prs./Temp.	116 / 52	92 / 42	42 / 16	63 / 31	32 / 12	38 / 18
		Liquid Prs./Temp.	381 / 108	361 / 99	305 / 91	331 / 90	294 / 83	300 / 83
		ID Air DB Temp. Rise	30	24	12	12	8	9
		Total Amp./Comp Amp.	15.3 / 12.1	14.8 / 11.5	13.5 / 10	13.9 / 10.7	13.1 / 9.7	13 / 9.6
	1070	Suction Prs./Temp.	117 / 52	93 / 42	44 / 18	67 / 31	33 / 14	42 / 18
		Liquid Prs./Temp.	405 / 112	383 / 103	319 / 94	348 / 94	303 / 85	315 / 85
		ID Air DB Temp. Rise	34	28	15	15	10	12
		Total Amp./Comp Amp.	15.6 / 12.8	14.9 / 12.1	13.5 / 10.5	14 / 11.2	13 / 10.1	13 / 10.1

Standard cooling low-speed service data for use with models:

- PHE6B4821
- PHE6B4831
- PHE6B4841
- PHG6B480652X1
- PHG6B481002X1
- PHG6B481252X1
- PHG6B480653X1
- PHG6B481003X1
- PHG6B481253X1
- PHG6B480654X1
- PHG6B481004X1
- PHG6B481254X1

PHE6B48 AND PHG6B48 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	187 (35)	189 (34)	192 (35)	194 (36)
60	203 (36)	204 (35)	207 (35)	210 (35)
65	220 (37)	221 (36)	224 (35)	227 (35)
70	237 (39)	238 (38)	242 (36)	245 (34)
75	256 (41)	257 (40)	261 (37)	264 (35)
80	275 (43)	276 (42)	280 (38)	284 (35)
85	296 (46)	297 (45)	301 (40)	305 (37)
90	318 (48)	319 (47)	323 (43)	327 (38)
95	340 (51)	341 (50)	345 (45)	350 (40)
100	364 (54)	365 (53)	369 (48)	373 (42)
105	389 (57)	390 (56)	393 (52)	398 (45)
110	414 (60)	415 (60)	418 (56)	423 (48)
115	441 (64)	442 (64)	445 (60)	450 (52)
120	469 (67)	470 (68)	472 (65)	477 (56)
125	497 (71)	499 (72)	500 (70)	505 (60)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B48 and PHG6B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1050	DISCHARGE PRESSURE (PSIG)	188	220	255	295	339	387	439	495
		DISCHARGE TEMPERATURE (°F)	101	114	126	141	157	174	193	213
		DISCHARGE SUPERHEAT (°F)	35	38	41	46	52	60	69	80
		SUCTION PRESSURE (PSIG)	124	126	128	131	134	137	141	145
		SUCTION TEMPERATURE (°F)	56	55	56	58	61	63	66	70
		SUCTION SUPERHEAT (°F)	13	12	12	13	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.1	11.1	12.3	13.6	15.2	16.9
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.5
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	20	18	17	14
	1250	DISCHARGE PRESSURE (PSIG)	189	221	256	296	340	388	440	496
		DISCHARGE TEMPERATURE (°F)	100	113	125	140	156	174	192	212
		DISCHARGE SUPERHEAT (°F)	34	37	40	45	51	59	68	79
		SUCTION PRESSURE (PSIG)	127	129	131	134	137	140	144	148
		SUCTION TEMPERATURE (°F)	57	57	57	60	62	64	68	71
		SUCTION SUPERHEAT (°F)	13	12	12	13	14	15	17	19
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.1	11.1	12.3	13.6	15.2	16.9
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.5
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	19	17	16	13
	1450	DISCHARGE PRESSURE (PSIG)	190	222	257	297	341	389	441	497
		DISCHARGE TEMPERATURE (°F)	100	112	125	139	155	173	191	212
		DISCHARGE SUPERHEAT (°F)	33	36	39	44	50	58	67	78
		SUCTION PRESSURE (PSIG)	130	132	134	137	140	143	147	151
		SUCTION TEMPERATURE (°F)	58	58	59	61	63	65	69	72
		SUCTION SUPERHEAT (°F)	13	12	12	13	14	15	17	19
OUTDOOR UNIT CURRENT (A)		8.5	9.2	10.1	11.1	12.3	13.6	15.2	16.9	
COMPRESSOR CURRENT (A)		6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.5	
INDOOR COIL DB TEMP DROP (°F)		23	22	21	20	18	16	15	12	

Continued on next page

## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1050	DISCHARGE PRESSURE (PSIG)	185	218	254	294	338	387	439	495
		DISCHARGE TEMPERATURE (°F)	103	115	129	144	159	174	191	207
		DISCHARGE SUPERHEAT (°F)	38	40	44	49	54	60	67	74
		SUCTION PRESSURE (PSIG)	116	119	122	126	131	136	142	148
		SUCTION TEMPERATURE (°F)	52	53	55	57	59	61	65	68
		SUCTION SUPERHEAT (°F)	13	13	13	14	14	14	15	16
		OUTDOOR UNIT CURRENT (A)	8.6	9.4	10.2	11.3	12.4	13.8	15.3	17.0
		COMPRESSOR CURRENT (A)	6.1	6.9	7.7	8.8	10.0	11.3	12.9	14.5
	INDOOR COIL DB TEMP DROP (°F)	34	32	31	29	27	25	23	21	
	1250	DISCHARGE PRESSURE (PSIG)	187	220	256	296	340	389	441	497
		DISCHARGE TEMPERATURE (°F)	101	113	126	141	156	172	188	205
		DISCHARGE SUPERHEAT (°F)	35	37	41	46	51	57	64	71
		SUCTION PRESSURE (PSIG)	123	126	129	133	138	143	149	155
		SUCTION TEMPERATURE (°F)	54	55	57	59	61	63	67	70
		SUCTION SUPERHEAT (°F)	12	12	12	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.5	9.3	10.1	11.2	12.3	13.7	15.2	16.9
		COMPRESSOR CURRENT (A)	6.0	6.8	7.6	8.7	9.9	11.2	12.8	14.4
	INDOOR COIL DB TEMP DROP (°F)	31	29	28	26	24	22	20	18	
	1450	DISCHARGE PRESSURE (PSIG)	189	222	258	298	342	391	443	499
		DISCHARGE TEMPERATURE (°F)	98	110	124	139	153	169	186	202
		DISCHARGE SUPERHEAT (°F)	32	34	38	43	48	54	61	68
		SUCTION PRESSURE (PSIG)	130	133	136	140	145	150	156	162
		SUCTION TEMPERATURE (°F)	57	58	59	62	64	66	69	72
		SUCTION SUPERHEAT (°F)	12	12	12	13	13	13	14	15
		OUTDOOR UNIT CURRENT (A)	8.4	9.2	10.0	11.1	12.2	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	5.9	6.7	7.5	8.6	9.8	11.1	12.7	14.3
	INDOOR COIL DB TEMP DROP (°F)	28	26	25	23	21	19	17	15	
	80/62	1050	DISCHARGE PRESSURE (PSIG)	188	220	256	296	340	389	441
DISCHARGE TEMPERATURE (°F)			102	114	127	142	157	173	190	208
DISCHARGE SUPERHEAT (°F)			36	38	42	47	52	58	66	74
SUCTION PRESSURE (PSIG)			124	126	128	131	135	139	145	151
SUCTION TEMPERATURE (°F)			55	55	56	57	60	63	66	70
SUCTION SUPERHEAT (°F)			12	12	12	12	13	14	15	17
OUTDOOR UNIT CURRENT (A)			8.5	9.2	10.0	11.1	12.3	13.6	15.1	16.8
COMPRESSOR CURRENT (A)			6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
INDOOR COIL DB TEMP DROP (°F)		30	29	28	27	25	23	21	19	
1250		DISCHARGE PRESSURE (PSIG)	189	221	257	297	341	390	442	499
		DISCHARGE TEMPERATURE (°F)	100	112	126	140	155	171	188	206
		DISCHARGE SUPERHEAT (°F)	34	36	40	45	50	56	64	72
		SUCTION PRESSURE (PSIG)	129	131	133	136	140	144	150	156
		SUCTION TEMPERATURE (°F)	57	57	58	59	62	65	68	72
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.0	11.1	12.3	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
INDOOR COIL DB TEMP DROP (°F)		28	27	26	25	23	21	19	17	
1450		DISCHARGE PRESSURE (PSIG)	190	222	258	298	342	391	443	500
		DISCHARGE TEMPERATURE (°F)	99	110	124	139	153	169	187	204
		DISCHARGE SUPERHEAT (°F)	32	34	38	43	48	54	62	70
		SUCTION PRESSURE (PSIG)	134	136	138	141	145	149	155	161
		SUCTION TEMPERATURE (°F)	59	59	60	61	64	67	70	74
		SUCTION SUPERHEAT (°F)	12	12	12	12	13	14	15	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.0	11.1	12.3	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
INDOOR COIL DB TEMP DROP (°F)		26	25	24	23	21	19	17	15	

Continued on next page

## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1050	DISCHARGE PRESSURE (PSIG)	191	223	260	300	344	392	444	499
		DISCHARGE TEMPERATURE (°F)	104	114	126	138	153	169	187	206
		DISCHARGE SUPERHEAT (°F)	37	37	39	42	47	54	62	72
		SUCTION PRESSURE (PSIG)	132	135	139	142	145	148	152	155
		SUCTION TEMPERATURE (°F)	60	60	61	62	63	65	69	72
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	13	15	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.1	11.1	12.3	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
	INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18	17	
	1250	DISCHARGE PRESSURE (PSIG)	192	224	261	301	345	393	445	500
		DISCHARGE TEMPERATURE (°F)	102	112	124	136	151	168	185	204
		DISCHARGE SUPERHEAT (°F)	35	35	37	40	45	52	60	70
		SUCTION PRESSURE (PSIG)	136	139	143	146	149	152	156	159
		SUCTION TEMPERATURE (°F)	61	62	62	63	65	67	70	73
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	13	15	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.1	11.1	12.3	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
	INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	17	16	
	1450	DISCHARGE PRESSURE (PSIG)	193	225	262	302	346	394	446	501
		DISCHARGE TEMPERATURE (°F)	102	111	123	136	150	167	184	203
		DISCHARGE SUPERHEAT (°F)	34	34	36	39	44	51	59	69
		SUCTION PRESSURE (PSIG)	140	143	147	150	153	156	160	163
		SUCTION TEMPERATURE (°F)	63	63	64	65	66	68	72	75
		SUCTION SUPERHEAT (°F)	14	13	12	12	12	13	15	17
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.1	11.1	12.3	13.6	15.1	16.8
		COMPRESSOR CURRENT (A)	6.0	6.7	7.6	8.6	9.8	11.2	12.7	14.4
	INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	18	16	15	
	80/72	1050	DISCHARGE PRESSURE (PSIG)	193	226	263	304	349	397	449
DISCHARGE TEMPERATURE (°F)			104	112	122	134	147	161	178	195
DISCHARGE SUPERHEAT (°F)			36	35	35	37	40	45	52	60
SUCTION PRESSURE (PSIG)			141	146	151	156	160	164	168	172
SUCTION TEMPERATURE (°F)			66	65	65	66	68	70	72	76
SUCTION SUPERHEAT (°F)			17	14	12	11	11	12	13	15
OUTDOOR UNIT CURRENT (A)			8.5	9.2	10.0	11.0	12.1	13.4	15.0	16.6
COMPRESSOR CURRENT (A)			6.0	6.7	7.5	8.5	9.7	11.0	12.5	14.2
INDOOR COIL DB TEMP DROP (°F)		20	19	18	17	16	15	13	12	
1250		DISCHARGE PRESSURE (PSIG)	194	227	264	305	350	398	450	505
		DISCHARGE TEMPERATURE (°F)	104	113	123	134	147	161	178	195
		DISCHARGE SUPERHEAT (°F)	36	35	35	37	40	45	52	60
		SUCTION PRESSURE (PSIG)	144	149	154	159	163	167	171	175
		SUCTION TEMPERATURE (°F)	68	67	66	67	69	71	73	77
		SUCTION SUPERHEAT (°F)	17	14	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.0	11.0	12.1	13.4	15.0	16.6
		COMPRESSOR CURRENT (A)	6.0	6.7	7.5	8.5	9.7	11.0	12.5	14.2
INDOOR COIL DB TEMP DROP (°F)		19	18	17	16	15	14	12	11	
1450		DISCHARGE PRESSURE (PSIG)	195	228	265	306	351	399	451	506
		DISCHARGE TEMPERATURE (°F)	104	113	123	135	147	162	178	195
		DISCHARGE SUPERHEAT (°F)	36	35	35	37	40	45	52	60
		SUCTION PRESSURE (PSIG)	147	152	157	162	166	170	174	178
		SUCTION TEMPERATURE (°F)	69	68	67	68	70	72	74	78
		SUCTION SUPERHEAT (°F)	17	14	12	11	11	12	13	15
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.0	11.0	12.1	13.4	15.0	16.6
		COMPRESSOR CURRENT (A)	6.0	6.7	7.5	8.5	9.7	11.0	12.5	14.2
INDOOR COIL DB TEMP DROP (°F)		18	17	16	15	14	13	11	10	

Extended cooling low-speed service data for use with models:

**PHE6B4821**

**PHE6B4831**

**PHE6B4841**

**PHG6B480652X1**

**PHG6B481002X1**

**PHG6B481252X1**

**PHG6B480653X1**

**PHG6B481003X1**

**PHG6B481253X1**

**PHG6B480654X1**

**PHG6B481004X1**

**PHG6B481254X1**

**PHE6B48 and PHG6B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1050	DISCHARGE PRESSURE (PSIG)	217	259	303	350	399	450	504
		DISCHARGE TEMPERATURE (°F)	108	124	140	155	170	183	197
		DISCHARGE SUPERHEAT (°F)	33	38	43	48	53	57	62
		SUCTION PRESSURE (PSIG)	124	136	146	154	160	164	167
		SUCTION TEMPERATURE (°F)	54	59	63	67	70	72	73
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.3	12.7	14.0	15.4	16.7
		COMPRESSOR CURRENT (A)	6.5	7.6	8.9	10.2	11.5	12.9	14.4
		INDOOR COIL DB TEMP DROP (°F)	31	32	32	31	30	27	23
	1250	DISCHARGE PRESSURE (PSIG)	218	260	304	351	400	451	505
		DISCHARGE TEMPERATURE (°F)	106	123	138	153	168	181	195
		DISCHARGE SUPERHEAT (°F)	31	36	41	46	51	55	60
		SUCTION PRESSURE (PSIG)	129	141	151	159	165	169	172
		SUCTION TEMPERATURE (°F)	56	61	65	69	71	74	75
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.6	9.9	11.2	12.6	13.9	15.3	16.6
		COMPRESSOR CURRENT (A)	6.4	7.5	8.8	10.1	11.4	12.8	14.3
		INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	28	25	21
	1450	DISCHARGE PRESSURE (PSIG)	219	261	305	352	401	452	506
		DISCHARGE TEMPERATURE (°F)	104	121	136	151	166	179	193
		DISCHARGE SUPERHEAT (°F)	29	34	39	44	49	53	58
		SUCTION PRESSURE (PSIG)	134	146	156	164	170	174	177
		SUCTION TEMPERATURE (°F)	58	63	67	71	73	75	76
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.5	9.8	11.1	12.5	13.8	15.2	16.5
		COMPRESSOR CURRENT (A)	6.3	7.4	8.7	10.0	11.3	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	27	28	28	27	26	23	19

Continued on next page

## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1050	DISCHARGE PRESSURE (PSIG)	212	253	296	341	388	438	489
		DISCHARGE TEMPERATURE (°F)	107	125	142	159	177	194	211
		DISCHARGE SUPERHEAT (°F)	34	40	47	54	62	70	79
		SUCTION PRESSURE (PSIG)	114	124	132	138	141	143	142
		SUCTION TEMPERATURE (°F)	49	55	59	63	65	67	68
		SUCTION SUPERHEAT (°F)	11	12	13	15	16	17	18
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.4	12.7	14.1	15.5	16.9
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.2	11.5	13.0	14.4
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	17	16	14	11	
	1250	DISCHARGE PRESSURE (PSIG)	214	255	298	343	390	440	491
		DISCHARGE TEMPERATURE (°F)	106	123	141	158	175	192	210
		DISCHARGE SUPERHEAT (°F)	32	38	45	52	60	68	77
		SUCTION PRESSURE (PSIG)	117	127	135	141	144	146	145
		SUCTION TEMPERATURE (°F)	49	55	59	63	66	67	68
		SUCTION SUPERHEAT (°F)	10	11	12	14	15	16	17
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.4	12.7	14.1	15.5	16.9
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.2	11.5	13.0	14.4
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	16	15	13	10	
	1450	DISCHARGE PRESSURE (PSIG)	216	257	300	345	392	442	493
		DISCHARGE TEMPERATURE (°F)	105	122	139	156	173	190	208
		DISCHARGE SUPERHEAT (°F)	30	36	43	50	58	66	75
		SUCTION PRESSURE (PSIG)	120	130	138	144	147	149	148
		SUCTION TEMPERATURE (°F)	50	55	59	64	66	68	68
		SUCTION SUPERHEAT (°F)	9	10	11	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	8.7	10.0	11.4	12.7	14.1	15.5	16.9
		COMPRESSOR CURRENT (A)	6.4	7.6	8.9	10.2	11.5	13.0	14.4
	INDOOR COIL DB TEMP DROP (°F)	16	16	16	15	14	12	9	
	90/62	1050	DISCHARGE PRESSURE (PSIG)	216	257	301	347	396	447
DISCHARGE TEMPERATURE (°F)			105	122	137	153	169	184	200
DISCHARGE SUPERHEAT (°F)			30	36	41	47	53	59	66
SUCTION PRESSURE (PSIG)			128	139	148	154	159	161	160
SUCTION TEMPERATURE (°F)			54	60	64	67	69	71	71
SUCTION SUPERHEAT (°F)			10	11	12	13	13	14	14
OUTDOOR UNIT CURRENT (A)			8.5	9.8	11.2	12.5	13.9	15.3	16.7
COMPRESSOR CURRENT (A)			6.2	7.4	8.7	10.0	11.4	12.8	14.3
INDOOR COIL DB TEMP DROP (°F)		12	12	12	11	10	8	6	
1250		DISCHARGE PRESSURE (PSIG)	216	257	301	347	396	447	500
		DISCHARGE TEMPERATURE (°F)	104	121	136	152	168	183	199
		DISCHARGE SUPERHEAT (°F)	29	35	40	46	52	58	65
		SUCTION PRESSURE (PSIG)	130	141	150	156	161	163	162
		SUCTION TEMPERATURE (°F)	55	60	65	68	70	72	71
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.5	9.8	11.2	12.5	13.9	15.3	16.7
		COMPRESSOR CURRENT (A)	6.2	7.4	8.7	10.0	11.4	12.8	14.3
INDOOR COIL DB TEMP DROP (°F)		11	11	11	10	9	7	5	
1450		DISCHARGE PRESSURE (PSIG)	216	257	301	347	396	447	500
		DISCHARGE TEMPERATURE (°F)	103	120	135	151	167	182	198
		DISCHARGE SUPERHEAT (°F)	28	34	39	45	51	57	64
		SUCTION PRESSURE (PSIG)	132	143	152	158	163	165	164
		SUCTION TEMPERATURE (°F)	56	61	66	69	71	72	72
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	14	14
		OUTDOOR UNIT CURRENT (A)	8.5	9.8	11.2	12.5	13.9	15.3	16.7
		COMPRESSOR CURRENT (A)	6.2	7.4	8.7	10.0	11.4	12.8	14.3
INDOOR COIL DB TEMP DROP (°F)		10	10	10	9	8	6	4	

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## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1050	DISCHARGE PRESSURE (PSIG)	216	258	303	349	398	450	504
		DISCHARGE TEMPERATURE (°F)	108	123	139	154	168	183	197
		DISCHARGE SUPERHEAT (°F)	33	37	42	47	52	57	62
		SUCTION PRESSURE (PSIG)	125	137	147	155	161	165	166
		SUCTION TEMPERATURE (°F)	53	59	64	68	70	71	72
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.5	9.8	11.2	12.5	13.9	15.2	16.6
		COMPRESSOR CURRENT (A)	6.2	7.4	8.7	10.0	11.3	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	31	32	32	31	29	27	23
	1250	DISCHARGE PRESSURE (PSIG)	217	259	304	350	399	451	505
		DISCHARGE TEMPERATURE (°F)	106	121	137	152	167	181	195
		DISCHARGE SUPERHEAT (°F)	31	35	40	45	50	55	60
		SUCTION PRESSURE (PSIG)	130	142	152	160	166	170	171
		SUCTION TEMPERATURE (°F)	55	61	66	70	72	73	73
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.5	9.8	11.2	12.5	13.9	15.2	16.6
		COMPRESSOR CURRENT (A)	6.2	7.4	8.7	10.0	11.3	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	27	25	21
	1450	DISCHARGE PRESSURE (PSIG)	218	260	305	351	400	452	506
		DISCHARGE TEMPERATURE (°F)	104	120	135	150	165	179	193
		DISCHARGE SUPERHEAT (°F)	29	33	38	43	48	53	58
		SUCTION PRESSURE (PSIG)	135	147	157	165	171	175	176
		SUCTION TEMPERATURE (°F)	57	63	67	71	73	75	75
		SUCTION SUPERHEAT (°F)	10	11	12	13	13	13	13
OUTDOOR UNIT CURRENT (A)		8.5	9.8	11.2	12.5	13.9	15.2	16.6	
COMPRESSOR CURRENT (A)		6.2	7.4	8.7	10.0	11.3	12.7	14.2	
INDOOR COIL DB TEMP DROP (°F)		27	28	28	27	25	23	19	
70/62	1050	DISCHARGE PRESSURE (PSIG)	219	261	306	352	401	452	505
		DISCHARGE TEMPERATURE (°F)	104	121	137	151	166	181	195
		DISCHARGE SUPERHEAT (°F)	29	34	39	44	49	55	60
		SUCTION PRESSURE (PSIG)	137	149	158	165	169	171	170
		SUCTION TEMPERATURE (°F)	58	64	68	70	73	73	73
		SUCTION SUPERHEAT (°F)	10	11	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.4	9.7	11.1	12.4	13.8	15.2	16.6
		COMPRESSOR CURRENT (A)	6.2	7.3	8.6	9.9	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	26	27	27	27	26	24	22
	1250	DISCHARGE PRESSURE (PSIG)	219	261	306	352	401	452	505
		DISCHARGE TEMPERATURE (°F)	103	120	136	150	165	180	194
		DISCHARGE SUPERHEAT (°F)	28	33	38	43	48	54	59
		SUCTION PRESSURE (PSIG)	140	152	161	168	172	174	173
		SUCTION TEMPERATURE (°F)	59	65	69	71	74	74	74
		SUCTION SUPERHEAT (°F)	10	11	12	12	13	13	13
		OUTDOOR UNIT CURRENT (A)	8.4	9.7	11.1	12.4	13.8	15.2	16.6
		COMPRESSOR CURRENT (A)	6.2	7.3	8.6	9.9	11.2	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	25	26	26	26	25	23	21
	1450	DISCHARGE PRESSURE (PSIG)	219	261	306	352	401	452	505
		DISCHARGE TEMPERATURE (°F)	102	119	135	149	164	179	193
		DISCHARGE SUPERHEAT (°F)	27	32	37	42	47	53	58
		SUCTION PRESSURE (PSIG)	143	155	164	171	175	177	176
		SUCTION TEMPERATURE (°F)	60	66	70	72	75	75	75
		SUCTION SUPERHEAT (°F)	10	11	12	12	13	13	13
OUTDOOR UNIT CURRENT (A)		8.4	9.7	11.1	12.4	13.8	15.2	16.6	
COMPRESSOR CURRENT (A)		6.2	7.3	8.6	9.9	11.2	12.7	14.2	
INDOOR COIL DB TEMP DROP (°F)		24	25	25	25	24	22	20	



Standard cooling high-speed service data for use with models:

- PHE6B4821
- PHE6B4831
- PHE6B4841
- PHG6B480652X1
- PHG6B481002X1
- PHG6B481252X1
- PHG6B480653X1
- PHG6B481003X1
- PHG6B481253X1
- PHG6B480654X1
- PHG6B481004X1
- PHG6B481254X1

PHE6B48 AND PHG6B48 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	200 (43)	203 (43)	206 (45)	209 (47)
60	216 (44)	219 (43)	223 (44)	226 (45)
65	233 (45)	236 (44)	240 (43)	244 (44)
70	252 (45)	254 (44)	258 (43)	263 (43)
75	271 (47)	273 (45)	278 (43)	283 (42)
80	291 (48)	293 (47)	298 (44)	304 (42)
85	313 (49)	314 (48)	319 (44)	326 (43)
90	335 (51)	336 (50)	342 (46)	348 (43)
95	358 (52)	359 (51)	365 (47)	372 (44)
100	383 (54)	384 (53)	389 (49)	396 (46)
105	408 (56)	409 (56)	414 (51)	421 (48)
110	435 (58)	435 (58)	440 (53)	447 (50)
115	463 (61)	462 (61)	467 (56)	474 (53)
120	491 (63)	490 (64)	496 (59)	501 (56)
125	521 (66)	520 (67)	525 (63)	530 (59)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B48 and PHG6B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1350	DISCHARGE PRESSURE (PSIG)	200	233	270	311	356	405	459	516
		DISCHARGE TEMPERATURE (°F)	114	123	135	147	160	175	189	206
		DISCHARGE SUPERHEAT (°F)	44	44	46	48	52	57	62	69
		SUCTION PRESSURE (PSIG)	117	119	121	124	127	131	136	141
		SUCTION TEMPERATURE (°F)	53	53	54	56	57	59	61	65
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	14	16
		OUTDOOR UNIT CURRENT (A)	11.9	12.7	13.7	14.9	16.4	18.0	19.9	22.0
		COMPRESSOR CURRENT (A)	9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	17
	1550	DISCHARGE PRESSURE (PSIG)	202	235	272	313	358	407	461	518
		DISCHARGE TEMPERATURE (°F)	113	123	135	146	160	174	189	205
		DISCHARGE SUPERHEAT (°F)	43	43	45	47	51	56	61	68
		SUCTION PRESSURE (PSIG)	120	122	124	127	130	134	139	144
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	61	63	67
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	14	16
		OUTDOOR UNIT CURRENT (A)	12.6	13.4	14.4	15.6	17.1	18.7	20.6	22.7
		COMPRESSOR CURRENT (A)	9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	19	18	16
	1750	DISCHARGE PRESSURE (PSIG)	204	237	274	315	360	409	463	520
		DISCHARGE TEMPERATURE (°F)	113	122	134	146	159	174	188	204
		DISCHARGE SUPERHEAT (°F)	42	42	44	46	50	55	60	67
		SUCTION PRESSURE (PSIG)	123	125	127	130	133	137	142	147
		SUCTION TEMPERATURE (°F)	56	56	57	58	59	62	64	68
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	14	16
OUTDOOR UNIT CURRENT (A)		13.3	14.1	15.1	16.3	17.8	19.4	21.3	23.4	
COMPRESSOR CURRENT (A)		9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2	
INDOOR COIL DB TEMP DROP (°F)		24	23	22	21	20	18	17	15	

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## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1350	DISCHARGE PRESSURE (PSIG)	198	231	269	311	356	406	461	519
		DISCHARGE TEMPERATURE (°F)	114	126	138	150	162	176	191	205
		DISCHARGE SUPERHEAT (°F)	45	47	49	51	54	58	63	68
		SUCTION PRESSURE (PSIG)	110	112	116	119	123	128	134	140
		SUCTION TEMPERATURE (°F)	51	52	54	55	57	59	62	64
		SUCTION SUPERHEAT (°F)	15	15	15	15	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	11.9	12.7	13.7	14.9	16.4	18.0	20.0	22.1
		COMPRESSOR CURRENT (A)	8.9	9.7	10.7	12.0	13.4	15.1	17.1	19.2
	INDOOR COIL DB TEMP DROP (°F)	35	33	31	30	28	26	25	23	
	1550	DISCHARGE PRESSURE (PSIG)	200	233	271	313	358	408	463	521
		DISCHARGE TEMPERATURE (°F)	113	124	136	148	161	174	189	203
		DISCHARGE SUPERHEAT (°F)	43	45	47	49	52	56	61	66
		SUCTION PRESSURE (PSIG)	115	117	121	124	128	133	139	145
		SUCTION TEMPERATURE (°F)	53	53	55	57	58	60	63	65
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	12.6	13.4	14.4	15.6	17.1	18.7	20.7	22.8
		COMPRESSOR CURRENT (A)	9.0	9.8	10.8	12.1	13.5	15.2	17.2	19.3
	INDOOR COIL DB TEMP DROP (°F)	33	31	29	28	26	24	23	21	
	1750	DISCHARGE PRESSURE (PSIG)	202	235	273	315	360	410	465	523
		DISCHARGE TEMPERATURE (°F)	111	123	135	147	159	173	187	202
		DISCHARGE SUPERHEAT (°F)	41	43	45	47	50	54	59	64
		SUCTION PRESSURE (PSIG)	120	122	126	129	133	138	144	150
		SUCTION TEMPERATURE (°F)	55	56	57	59	60	62	65	67
		SUCTION SUPERHEAT (°F)	14	14	14	14	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	13.3	14.1	15.1	16.3	17.8	19.4	21.4	23.5
		COMPRESSOR CURRENT (A)	9.1	9.9	10.9	12.2	13.6	15.3	17.3	19.4
	INDOOR COIL DB TEMP DROP (°F)	31	29	27	26	24	22	21	19	
	80/62	1350	DISCHARGE PRESSURE (PSIG)	202	235	272	313	358	408	461
DISCHARGE TEMPERATURE (°F)			114	125	136	148	161	175	190	205
DISCHARGE SUPERHEAT (°F)			44	45	46	49	52	57	62	68
SUCTION PRESSURE (PSIG)			117	119	121	124	127	131	136	141
SUCTION TEMPERATURE (°F)			53	53	54	56	57	59	62	65
SUCTION SUPERHEAT (°F)			14	13	13	13	13	14	15	16
OUTDOOR UNIT CURRENT (A)			12.0	12.8	13.7	15.0	16.4	18.0	19.9	22.0
COMPRESSOR CURRENT (A)			9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2
INDOOR COIL DB TEMP DROP (°F)		31	30	29	28	27	26	24	22	
1550		DISCHARGE PRESSURE (PSIG)	203	236	273	314	359	409	462	520
		DISCHARGE TEMPERATURE (°F)	114	124	135	147	160	175	189	204
		DISCHARGE SUPERHEAT (°F)	43	44	45	48	51	56	61	67
		SUCTION PRESSURE (PSIG)	121	123	125	128	131	135	140	145
		SUCTION TEMPERATURE (°F)	55	55	56	57	58	61	64	67
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	12.7	13.5	14.4	15.7	17.1	18.7	20.6	22.7
		COMPRESSOR CURRENT (A)	9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2
INDOOR COIL DB TEMP DROP (°F)		29	28	27	26	25	24	22	20	
1750		DISCHARGE PRESSURE (PSIG)	204	237	274	315	360	410	463	521
		DISCHARGE TEMPERATURE (°F)	113	123	134	147	159	174	188	203
		DISCHARGE SUPERHEAT (°F)	42	43	44	47	50	55	60	66
		SUCTION PRESSURE (PSIG)	125	127	129	132	135	139	144	149
		SUCTION TEMPERATURE (°F)	57	57	58	59	60	63	66	69
		SUCTION SUPERHEAT (°F)	14	13	13	13	13	14	15	16
		OUTDOOR UNIT CURRENT (A)	13.4	14.2	15.1	16.4	17.8	19.4	21.3	23.4
		COMPRESSOR CURRENT (A)	9.1	9.9	10.9	12.1	13.6	15.2	17.1	19.2
INDOOR COIL DB TEMP DROP (°F)		27	26	25	24	23	22	20	18	

Continued on next page

## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1350	DISCHARGE PRESSURE (PSIG)	205	239	277	318	364	413	466	524
		DISCHARGE TEMPERATURE (°F)	116	124	134	144	157	170	184	201
		DISCHARGE SUPERHEAT (°F)	45	43	43	44	47	51	56	63
		SUCTION PRESSURE (PSIG)	127	130	133	136	139	143	147	151
		SUCTION TEMPERATURE (°F)	60	59	59	59	61	62	65	68
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	15
		OUTDOOR UNIT CURRENT (A)	12.1	12.8	13.9	15.1	16.5	18.2	20.1	22.2
		COMPRESSOR CURRENT (A)	9.2	10.0	11.0	12.3	13.7	15.4	17.3	19.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	21	20	18	
	1550	DISCHARGE PRESSURE (PSIG)	206	240	278	319	365	414	467	525
		DISCHARGE TEMPERATURE (°F)	117	124	134	144	157	170	185	201
		DISCHARGE SUPERHEAT (°F)	45	43	43	44	47	51	56	63
		SUCTION PRESSURE (PSIG)	130	133	136	139	142	146	150	154
		SUCTION TEMPERATURE (°F)	61	60	60	61	62	63	66	69
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	15
		OUTDOOR UNIT CURRENT (A)	12.8	13.5	14.6	15.8	17.2	18.9	20.8	22.9
		COMPRESSOR CURRENT (A)	9.2	10.0	11.0	12.3	13.7	15.4	17.3	19.4
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	22	21	20	19	17	
	1750	DISCHARGE PRESSURE (PSIG)	207	241	279	320	366	415	468	526
		DISCHARGE TEMPERATURE (°F)	117	125	134	145	157	171	185	201
		DISCHARGE SUPERHEAT (°F)	45	43	43	44	47	51	56	63
		SUCTION PRESSURE (PSIG)	133	136	139	142	145	149	153	157
		SUCTION TEMPERATURE (°F)	62	61	62	62	63	65	67	70
		SUCTION SUPERHEAT (°F)	16	14	13	12	12	12	13	15
OUTDOOR UNIT CURRENT (A)		13.5	14.2	15.3	16.5	17.9	19.6	21.5	23.6	
COMPRESSOR CURRENT (A)		9.2	10.0	11.0	12.3	13.7	15.4	17.3	19.4	
INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	20	19	18	16		
80/72	1350	DISCHARGE PRESSURE (PSIG)	208	243	282	325	371	420	473	529
		DISCHARGE TEMPERATURE (°F)	119	126	134	145	155	169	183	198
		DISCHARGE SUPERHEAT (°F)	47	44	42	43	44	48	53	59
		SUCTION PRESSURE (PSIG)	133	140	145	151	155	159	162	165
		SUCTION TEMPERATURE (°F)	64	64	64	65	66	67	69	72
		SUCTION SUPERHEAT (°F)	18	15	13	12	11	11	12	14
		OUTDOOR UNIT CURRENT (A)	12.1	13.0	14.0	15.3	16.7	18.4	20.2	22.3
		COMPRESSOR CURRENT (A)	9.2	10.0	11.1	12.3	13.8	15.5	17.3	19.4
	INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	16	15	14	13	
	1550	DISCHARGE PRESSURE (PSIG)	209	244	283	326	372	421	474	530
		DISCHARGE TEMPERATURE (°F)	120	126	134	145	155	169	183	198
		DISCHARGE SUPERHEAT (°F)	47	44	42	43	44	48	53	59
		SUCTION PRESSURE (PSIG)	136	143	148	154	158	162	165	168
		SUCTION TEMPERATURE (°F)	66	66	66	67	68	69	71	74
		SUCTION SUPERHEAT (°F)	19	16	14	13	12	12	13	15
		OUTDOOR UNIT CURRENT (A)	12.8	13.7	14.7	16.0	17.4	19.1	20.9	23.0
		COMPRESSOR CURRENT (A)	9.3	10.1	11.2	12.4	13.9	15.6	17.4	19.5
	INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	13	12	
	1750	DISCHARGE PRESSURE (PSIG)	210	245	284	327	373	422	475	531
		DISCHARGE TEMPERATURE (°F)	120	127	134	145	156	169	183	198
		DISCHARGE SUPERHEAT (°F)	47	44	42	43	44	48	53	59
		SUCTION PRESSURE (PSIG)	139	146	151	157	161	165	168	171
		SUCTION TEMPERATURE (°F)	69	68	68	69	70	71	73	76
		SUCTION SUPERHEAT (°F)	20	17	15	14	13	13	14	16
OUTDOOR UNIT CURRENT (A)		13.5	14.4	15.4	16.7	18.1	19.8	21.6	23.7	
COMPRESSOR CURRENT (A)		9.4	10.2	11.3	12.5	14.0	15.7	17.5	19.6	
INDOOR COIL DB TEMP DROP (°F)	18	17	16	15	14	13	12	11		

Extended cooling high-speed service data for use with models:

**PHE6B4821**  
**PHE6B4831**  
**PHE6B4841**  
**PHG6B480652X1**  
**PHG6B481002X1**  
**PHG6B481252X1**  
**PHG6B480653X1**  
**PHG6B481003X1**  
**PHG6B481253X1**  
**PHG6B480654X1**  
**PHG6B481004X1**  
**PHG6B481254X1**

**PHE6B48 and PHG6B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1350	DISCHARGE PRESSURE (PSIG)	230	273	319	368	418	471	526
		DISCHARGE TEMPERATURE (°F)	118	133	147	162	174	187	198
		DISCHARGE SUPERHEAT (°F)	39	43	47	51	54	58	60
		SUCTION PRESSURE (PSIG)	115	126	135	143	149	152	154
		SUCTION TEMPERATURE (°F)	51	56	60	64	67	68	68
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	11.9	13.7	15.5	17.2	18.9	20.6	22.3
		COMPRESSOR CURRENT (A)	9.2	10.7	12.4	14.0	15.7	17.5	19.3
		INDOOR COIL DB TEMP DROP (°F)	33	34	34	34	32	29	26
	1550	DISCHARGE PRESSURE (PSIG)	232	275	321	370	420	473	528
		DISCHARGE TEMPERATURE (°F)	117	132	147	161	174	187	197
		DISCHARGE SUPERHEAT (°F)	38	42	46	50	53	57	59
		SUCTION PRESSURE (PSIG)	120	131	140	148	154	157	159
		SUCTION TEMPERATURE (°F)	53	58	62	66	68	69	70
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	12.4	14.2	16.0	17.7	19.4	21.1	22.8
		COMPRESSOR CURRENT (A)	9.3	10.8	12.5	14.1	15.8	17.6	19.4
		INDOOR COIL DB TEMP DROP (°F)	31	32	32	32	30	27	24
	1750	DISCHARGE PRESSURE (PSIG)	234	277	323	372	422	475	530
		DISCHARGE TEMPERATURE (°F)	117	132	146	160	173	186	197
		DISCHARGE SUPERHEAT (°F)	37	41	45	49	52	56	58
		SUCTION PRESSURE (PSIG)	125	136	145	153	159	162	164
		SUCTION TEMPERATURE (°F)	55	60	64	68	70	71	72
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
OUTDOOR UNIT CURRENT (A)		12.9	14.7	16.5	18.2	19.9	21.6	23.3	
COMPRESSOR CURRENT (A)		9.4	10.9	12.6	14.2	15.9	17.7	19.5	
INDOOR COIL DB TEMP DROP (°F)		29	30	30	30	28	25	22	

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## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1350	DISCHARGE PRESSURE (PSIG)	226	269	314	362	411	463	517
		DISCHARGE TEMPERATURE (°F)	116	134	148	163	177	191	204
		DISCHARGE SUPERHEAT (°F)	39	45	49	54	58	63	67
		SUCTION PRESSURE (PSIG)	108	118	125	131	135	137	136
		SUCTION TEMPERATURE (°F)	47	53	56	59	61	62	61
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	11.8	13.6	15.3	17.1	18.8	20.4	22.1
		COMPRESSOR CURRENT (A)	9.1	10.7	12.3	13.9	15.6	17.3	19.1
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	18	17	15	13	
	1550	DISCHARGE PRESSURE (PSIG)	227	270	315	363	412	464	518
		DISCHARGE TEMPERATURE (°F)	116	133	148	163	176	190	203
		DISCHARGE SUPERHEAT (°F)	38	44	48	53	57	62	66
		SUCTION PRESSURE (PSIG)	110	120	127	133	137	139	138
		SUCTION TEMPERATURE (°F)	48	54	57	60	62	63	62
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
		OUTDOOR UNIT CURRENT (A)	12.3	14.1	15.8	17.6	19.3	20.9	22.6
		COMPRESSOR CURRENT (A)	9.1	10.7	12.3	13.9	15.6	17.3	19.1
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	17	16	14	12	
	1750	DISCHARGE PRESSURE (PSIG)	228	271	316	364	413	465	519
		DISCHARGE TEMPERATURE (°F)	115	132	147	162	175	189	202
		DISCHARGE SUPERHEAT (°F)	37	43	47	52	56	61	65
		SUCTION PRESSURE (PSIG)	112	122	129	135	139	141	140
		SUCTION TEMPERATURE (°F)	49	55	58	61	63	63	63
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	14
OUTDOOR UNIT CURRENT (A)		12.8	14.6	16.3	18.1	19.8	21.4	23.1	
COMPRESSOR CURRENT (A)		9.1	10.7	12.3	13.9	15.6	17.3	19.1	
INDOOR COIL DB TEMP DROP (°F)	16	17	17	16	15	13	11		
90/62	1350	DISCHARGE PRESSURE (PSIG)	230	273	319	366	416	467	521
		DISCHARGE TEMPERATURE (°F)	116	131	146	160	173	186	197
		DISCHARGE SUPERHEAT (°F)	37	41	46	50	53	57	60
		SUCTION PRESSURE (PSIG)	120	131	139	146	150	152	152
		SUCTION TEMPERATURE (°F)	53	58	62	65	67	68	67
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.7	15.4	17.2	18.9	20.5	22.1
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.0	15.7	17.4	19.2
	INDOOR COIL DB TEMP DROP (°F)	13	13	13	12	11	10	8	
	1550	DISCHARGE PRESSURE (PSIG)	232	275	321	368	418	469	523
		DISCHARGE TEMPERATURE (°F)	116	131	147	161	173	186	198
		DISCHARGE SUPERHEAT (°F)	37	41	46	50	53	57	60
		SUCTION PRESSURE (PSIG)	122	133	141	148	152	154	154
		SUCTION TEMPERATURE (°F)	54	59	62	66	68	68	67
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	13
		OUTDOOR UNIT CURRENT (A)	12.4	14.2	15.9	17.7	19.4	21.0	22.6
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.0	15.7	17.4	19.2
	INDOOR COIL DB TEMP DROP (°F)	12	12	12	11	10	9	7	
	1750	DISCHARGE PRESSURE (PSIG)	234	277	323	370	420	471	525
		DISCHARGE TEMPERATURE (°F)	117	132	147	161	174	186	198
		DISCHARGE SUPERHEAT (°F)	37	41	46	50	53	57	60
		SUCTION PRESSURE (PSIG)	124	135	143	150	154	156	156
		SUCTION TEMPERATURE (°F)	55	60	63	67	68	69	68
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	14	13
OUTDOOR UNIT CURRENT (A)		12.9	14.7	16.4	18.2	19.9	21.5	23.1	
COMPRESSOR CURRENT (A)		9.2	10.8	12.4	14.0	15.7	17.4	19.2	
INDOOR COIL DB TEMP DROP (°F)	11	11	11	10	9	8	6		

Continued on next page

## PHE6B48 and PHG6B48 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1350	DISCHARGE PRESSURE (PSIG)	230	273	319	367	418	470	525
		DISCHARGE TEMPERATURE (°F)	117	133	147	160	174	186	197
		DISCHARGE SUPERHEAT (°F)	38	43	47	50	54	57	59
		SUCTION PRESSURE (PSIG)	118	129	138	145	151	154	155
		SUCTION TEMPERATURE (°F)	52	58	61	65	67	67	68
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	11.9	13.7	15.5	17.2	19.0	20.6	22.3
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.1	15.8	17.6	19.4
	INDOOR COIL DB TEMP DROP (°F)	31	32	32	32	30	28	25	
	1550	DISCHARGE PRESSURE (PSIG)	232	275	321	369	420	472	527
		DISCHARGE TEMPERATURE (°F)	116	132	147	160	174	185	196
		DISCHARGE SUPERHEAT (°F)	37	42	46	49	53	56	58
		SUCTION PRESSURE (PSIG)	122	133	142	149	155	158	159
		SUCTION TEMPERATURE (°F)	54	59	63	67	69	69	69
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	12.4	14.2	16.0	17.7	19.5	21.1	22.8
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.1	15.8	17.6	19.4
	INDOOR COIL DB TEMP DROP (°F)	30	31	31	31	29	27	24	
	1750	DISCHARGE PRESSURE (PSIG)	234	277	323	371	422	474	529
		DISCHARGE TEMPERATURE (°F)	116	132	146	159	173	185	196
		DISCHARGE SUPERHEAT (°F)	36	41	45	48	52	55	57
		SUCTION PRESSURE (PSIG)	126	137	146	153	159	162	163
		SUCTION TEMPERATURE (°F)	55	61	64	68	70	70	71
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	12.9	14.7	16.5	18.2	20.0	21.6	23.3
		COMPRESSOR CURRENT (A)	9.2	10.8	12.4	14.1	15.8	17.6	19.4
	INDOOR COIL DB TEMP DROP (°F)	29	30	30	30	28	26	23	
	70/62	1350	DISCHARGE PRESSURE (PSIG)	236	280	326	374	424	476
DISCHARGE TEMPERATURE (°F)			116	131	146	160	172	184	196
DISCHARGE SUPERHEAT (°F)			36	40	44	48	51	54	57
SUCTION PRESSURE (PSIG)			130	142	151	157	161	163	163
SUCTION TEMPERATURE (°F)			57	63	66	69	71	71	71
SUCTION SUPERHEAT (°F)			12	13	13	14	14	13	13
OUTDOOR UNIT CURRENT (A)			12.1	13.9	15.6	17.3	19.0	20.7	22.3
COMPRESSOR CURRENT (A)			9.4	10.9	12.6	14.2	15.9	17.6	19.4
INDOOR COIL DB TEMP DROP (°F)		26	28	28	28	27	25	23	
1550		DISCHARGE PRESSURE (PSIG)	237	281	327	375	425	477	531
		DISCHARGE TEMPERATURE (°F)	116	132	146	160	172	184	196
		DISCHARGE SUPERHEAT (°F)	36	40	44	48	51	54	57
		SUCTION PRESSURE (PSIG)	132	144	153	159	163	165	165
		SUCTION TEMPERATURE (°F)	58	64	67	70	72	71	71
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	12.6	14.4	16.1	17.8	19.5	21.2	22.8
		COMPRESSOR CURRENT (A)	9.4	10.9	12.6	14.2	15.9	17.6	19.4
INDOOR COIL DB TEMP DROP (°F)		25	27	27	27	26	24	22	
1750		DISCHARGE PRESSURE (PSIG)	238	282	328	376	426	478	532
		DISCHARGE TEMPERATURE (°F)	117	132	146	160	173	184	196
		DISCHARGE SUPERHEAT (°F)	36	40	44	48	51	54	57
		SUCTION PRESSURE (PSIG)	134	146	155	161	165	167	167
		SUCTION TEMPERATURE (°F)	59	64	68	71	72	72	72
		SUCTION SUPERHEAT (°F)	12	13	13	14	14	13	13
		OUTDOOR UNIT CURRENT (A)	13.1	14.9	16.6	18.3	20.0	21.7	23.3
		COMPRESSOR CURRENT (A)	9.4	10.9	12.6	14.2	15.9	17.6	19.4
INDOOR COIL DB TEMP DROP (°F)		24	26	26	26	25	23	21	

Standard heating low-speed service data  
for use with models:

PHE6B4821  
PHE6B4831  
PHE6B4841  
PHG6B480652X1  
PHG6B481002X1  
PHG6B481252X1  
PHG6B480653X1  
PHG6B481003X1  
PHG6B481253X1  
PHG6B480654X1  
PHG6B481004X1  
PHG6B481254X1

INDOOR WET BULB (°F)	OUTDOOR AMBIENT DB (°F)		
	60	47	40
60	364 (28)	345 (30)	334 (29)
65	384 (29)	364 (30)	353 (30)
70	405 (30)	384 (31)	371 (30)
75	425 (30)	403 (31)	390 (30)
80	446 (31)	423 (31)	409 (30)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B48 and PHG6B48**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA		
			60	47	40
60	1400	Suction Prs./Temp.	135 / 54	110 / 44	96 / 38
		Liquid Prs./Temp.	315 / 75	299 / 70	292 / 68
		ID Air DB Temp. Rise	28	22	19
		Total Amp./Comp Amp.	11.7 / 9.1	11.7 / 9.2	11.8 / 9.2
	1200	Suction Prs./Temp.	136 / 54	110 / 45	97 / 39
		Liquid Prs./Temp.	344 / 79	326 / 73	316 / 71
		ID Air DB Temp. Rise	33	27	23
		Total Amp./Comp Amp.	12.5 / 10	12.5 / 9.9	12.4 / 9.9
	1000	Suction Prs./Temp.	137 / 55	110 / 45	97 / 39
		Liquid Prs./Temp.	374 / 83	353 / 76	341 / 73
		ID Air DB Temp. Rise	39	31	27
		Total Amp./Comp Amp.	13.3 / 10.8	13.2 / 10.7	13.1 / 10.6
70	1400	Suction Prs./Temp.	136 / 55	110 / 45	98 / 40
		Liquid Prs./Temp.	361 / 83	347 / 79	336 / 77
		ID Air DB Temp. Rise	26	21	18
		Total Amp./Comp Amp.	13 / 10.5	13 / 10.5	13 / 10.4
	1200	Suction Prs./Temp.	137 / 56	111 / 46	99 / 40
		Liquid Prs./Temp.	395 / 87	375 / 81	363 / 80
		ID Air DB Temp. Rise	31	25	22
		Total Amp./Comp Amp.	14 / 11.5	13.9 / 11.3	13.8 / 11.2
	1000	Suction Prs./Temp.	138 / 56	111 / 46	99 / 41
		Liquid Prs./Temp.	429 / 90	403 / 84	390 / 82
		ID Air DB Temp. Rise	37	29	25
		Total Amp./Comp Amp.	15 / 12.5	14.7 / 12.1	14.6 / 12
80	1400	Suction Prs./Temp.	138 / 56	111 / 46	100 / 42
		Liquid Prs./Temp.	408 / 91	394 / 87	380 / 86
		ID Air DB Temp. Rise	25	19	17
		Total Amp./Comp Amp.	14.3 / 11.8	14.4 / 11.8	14.2 / 11.7
	1200	Suction Prs./Temp.	138 / 57	111 / 47	100 / 42
		Liquid Prs./Temp.	446 / 94	423 / 90	409 / 88
		ID Air DB Temp. Rise	30	23	20
		Total Amp./Comp Amp.	15.5 / 13	15.3 / 12.7	15.1 / 12.6
	1000	Suction Prs./Temp.	139 / 57	112 / 47	101 / 42
		Liquid Prs./Temp.	484 / 98	452 / 92	438 / 91
		ID Air DB Temp. Rise	34	27	23
		Total Amp./Comp Amp.	16.7 / 14.2	16.2 / 13.6	16 / 13.5

Extended heating low-speed service data for use with models:

**PHE6B4821**

**PHE6B4831**

**PHE6B4841**

**PHG6B480652X1**

**PHG6B481002X1**

**PHG6B481252X1**

**PHG6B480653X1**

**PHG6B481003X1**

**PHG6B481253X1**

**PHG6B480654X1**

**PHG6B481004X1**

**PHG6B481254X1**

**PHE6B48 and PHG6B48**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
4	1300	60	MBH	14.2	19.4	24.6	29.8	37.0	44.6	52.0	60.1
			KW	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
		70	MBH	14.1	19.1	24.1	29.1	35.3	42.7	50.0	57.7
			KW	3.4	3.5	3.6	3.8	3.9	4.0	4.0	4.1
		80	MBH	14.0	19.0	24.0	29.0	33.6	40.7	47.9	55.3
			KW	3.8	4.0	4.0	4.2	4.4	4.4	4.4	4.6
	1500	60	MBH	14.5	20.5	26.5	32.5	36.9	44.8	52.6	60.5
			KW	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5
		70	MBH	14.9	21.1	27.3	33.5	37.9	43.2	50.0	53.8
			KW	3.4	3.5	3.6	3.7	3.7	3.8	3.9	3.9
		80	MBH	14.6	20.8	27.0	33.2	38.9	41.6	50.1	54.0
			KW	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.3
	1700	60	MBH	14.1	20.3	26.5	32.7	36.8	44.7	53.3	61.4
			KW	3.1	3.1	3.1	3.2	3.3	3.3	3.4	3.5
		70	MBH	14.5	20.0	25.5	31.0	35.1	42.6	51.4	61.4
			KW	3.4	3.5	3.4	3.6	3.6	3.7	3.7	3.8
		80	MBH	14.6	19.8	25.0	30.2	33.4	40.5	49.4	61.4
			KW	3.8	3.8	3.8	3.9	4.1	4.1	4.1	4.2



Standard heating high-speed service data for use with models:

PHE6B4821  
 PHE6B4831  
 PHE6B4841  
 PHG6B480652X1  
 PHG6B481002X1  
 PHG6B481252X1  
 PHG6B480653X1  
 PHG6B481003X1  
 PHG6B481253X1  
 PHG6B480654X1  
 PHG6B481004X1  
 PHG6B481254X1

PHE6B48 AND PHG6B48 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	361 (23)	342 (26)	337 (29)	325 (30)	311 (30)
65	382 (24)	363 (28)	359 (30)	347 (31)	332 (31)
70	402 (25)	383 (29)	380 (31)	368 (32)	353 (32)
75	423 (26)	404 (29)	402 (32)	390 (33)	374 (32)
80	444 (27)	425 (30)	424 (33)	412 (33)	395 (33)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B48 and PHG6B48**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1700	Suction Prs./Temp.	130 / 52	104 / 41	90 / 35	74 / 27	55 / 17	50 / 14
		Liquid Prs./Temp.	317 / 79	300 / 73	297 / 69	288 / 67	278 / 63	264 / 63
		ID Air DB Temp. Rise	32	26	23	23	14	13
		Total Amp./Comp Amp.	16.7 / 12.4	16.1 / 11.8	16 / 11.7	15.8 / 11.5	15.5 / 11.2	15.1 / 10.8
	1500	Suction Prs./Temp.	131 / 52	104 / 41	91 / 36	73 / 27	56 / 17	50 / 14
		Liquid Prs./Temp.	341 / 83	322 / 76	316 / 72	304 / 68	291 / 65	277 / 64
		ID Air DB Temp. Rise	36	30	26	26	16	15
		Total Amp./Comp Amp.	16.8 / 13.1	16.1 / 12.5	15.9 / 12.3	15.6 / 12	15.3 / 11.6	14.8 / 11.2
	1300	Suction Prs./Temp.	131 / 53	104 / 41	91 / 36	73 / 27	56 / 17	50 / 15
		Liquid Prs./Temp.	364 / 87	344 / 78	334 / 74	321 / 70	305 / 67	289 / 66
		ID Air DB Temp. Rise	41	34	30	30	19	17
		Total Amp./Comp Amp.	16.8 / 13.9	16.2 / 13.2	15.9 / 12.9	15.4 / 12.4	15 / 12	14.5 / 11.5
70	1700	Suction Prs./Temp.	131 / 52	104 / 42	91 / 36	75 / 28	56 / 18	50 / 15
		Liquid Prs./Temp.	366 / 87	349 / 81	349 / 78	334 / 75	325 / 72	312 / 71
		ID Air DB Temp. Rise	30	25	22	22	13	11
		Total Amp./Comp Amp.	18.2 / 14	17.7 / 13.4	17.7 / 13.4	17.2 / 12.9	17 / 12.7	16.5 / 12.3
	1500	Suction Prs./Temp.	131 / 53	104 / 42	91 / 37	74 / 28	56 / 18	50 / 16
		Liquid Prs./Temp.	392 / 91	374 / 84	370 / 80	358 / 77	343 / 74	326 / 73
		ID Air DB Temp. Rise	35	28	25	25	15	13
		Total Amp./Comp Amp.	18.5 / 14.9	17.9 / 14.2	17.7 / 14.1	17.4 / 13.7	17 / 13.3	16.4 / 12.7
	1300	Suction Prs./Temp.	132 / 53	105 / 42	92 / 38	73 / 27	57 / 18	50 / 16
		Liquid Prs./Temp.	418 / 94	398 / 86	391 / 82	383 / 79	361 / 76	341 / 74
		ID Air DB Temp. Rise	39	32	28	28	18	15
		Total Amp./Comp Amp.	18.8 / 15.8	18 / 15.1	17.8 / 14.8	17.6 / 14.6	17 / 14	16.2 / 13.2
80	1700	Suction Prs./Temp.	132 / 53	104 / 43	92 / 36	76 / 30	57 / 19	50 / 17
		Liquid Prs./Temp.	414 / 95	399 / 89	400 / 86	379 / 84	372 / 81	360 / 80
		ID Air DB Temp. Rise	29	23	20	20	12	10
		Total Amp./Comp Amp.	19.8 / 15.5	19.3 / 15.1	19.3 / 15.1	18.6 / 14.3	18.5 / 14.2	18 / 13.7
	1500	Suction Prs./Temp.	132 / 53	105 / 43	92 / 37	75 / 28	57 / 19	50 / 17
		Liquid Prs./Temp.	444 / 98	425 / 91	424 / 88	412 / 86	395 / 83	376 / 82
		ID Air DB Temp. Rise	33	27	24	24	14	12
		Total Amp./Comp Amp.	20.2 / 16.6	19.6 / 16	19.5 / 15.9	19.2 / 15.5	18.7 / 15.1	18 / 14.3
	1300	Suction Prs./Temp.	133 / 53	105 / 43	92 / 39	74 / 27	57 / 19	50 / 17
		Liquid Prs./Temp.	473 / 101	451 / 94	447 / 91	445 / 88	418 / 85	392 / 83
		ID Air DB Temp. Rise	37	31	27	27	16	14
		Total Amp./Comp Amp.	20.7 / 17.7	19.9 / 16.9	19.7 / 16.7	19.7 / 16.7	19 / 16	17.9 / 14.9

Standard cooling low-speed service data for use with models:

**PHE6B6021**  
**PHE6B6031**  
**PHE6B6041**  
**PHG6B600652X1**  
**PHG6B601002X1**  
**PHG6B601252X1**  
**PHG6B600653X1**  
**PHG6B601003X1**  
**PHG6B601253X1**  
**PHG6B600654X1**  
**PHG6B601004X1**  
**PHG6B601254X1**

PHE6B60 AND PHG6B60 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	192 (19)	195 (17)	199 (22)	202 (22)
60	207 (21)	210 (21)	215 (22)	219 (22)
65	224 (23)	227 (24)	231 (23)	236 (22)
70	241 (26)	244 (26)	249 (24)	254 (22)
75	260 (28)	262 (28)	268 (25)	273 (22)
80	280 (30)	282 (30)	287 (27)	293 (23)
85	301 (32)	303 (32)	308 (29)	314 (24)
90	322 (34)	325 (33)	330 (30)	336 (25)
95	345 (37)	348 (33)	352 (32)	359 (27)
100	369 (39)	372 (34)	376 (34)	382 (29)
105	395 (41)	397 (34)	401 (37)	407 (31)
110	421 (44)	424 (33)	426 (39)	432 (33)
115	448 (46)	451 (33)	453 (42)	459 (36)
120	476 (49)	480 (31)	480 (45)	486 (39)
125	506 (51)	510 (30)	509 (48)	515 (42)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B60 and PHG6B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1150	DISCHARGE PRESSURE (PSIG)	192	225	261	302	346	395	447	504
		DISCHARGE TEMPERATURE (°F)	86	98	111	124	136	149	162	176
		DISCHARGE SUPERHEAT (°F)	19	21	24	27	30	33	37	41
		SUCTION PRESSURE (PSIG)	122	123	124	126	129	132	136	140
		SUCTION TEMPERATURE (°F)	50	53	56	58	62	65	67	70
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	19	20	21
		OUTDOOR UNIT CURRENT (A)	12.0	12.7	13.5	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.0	8.7	9.6	10.7	12.0	13.5	15.3	17.2
		INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	23	22	20	18
	1350	DISCHARGE PRESSURE (PSIG)	194	227	263	304	348	397	449	506
		DISCHARGE TEMPERATURE (°F)	85	97	109	122	135	147	161	174
		DISCHARGE SUPERHEAT (°F)	17	19	22	25	28	31	35	39
		SUCTION PRESSURE (PSIG)	127	128	129	131	134	137	141	145
		SUCTION TEMPERATURE (°F)	52	55	58	60	64	67	69	72
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	19	20	21
		OUTDOOR UNIT CURRENT (A)	12.0	12.7	13.5	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.0	8.7	9.6	10.7	12.0	13.5	15.3	17.2
		INDOOR COIL DB TEMP DROP (°F)	27	26	24	23	21	20	18	16
	1550	DISCHARGE PRESSURE (PSIG)	196	229	265	306	350	399	451	508
		DISCHARGE TEMPERATURE (°F)	84	95	108	121	133	146	159	172
		DISCHARGE SUPERHEAT (°F)	15	17	20	23	26	29	33	37
		SUCTION PRESSURE (PSIG)	132	133	134	136	139	142	146	150
		SUCTION TEMPERATURE (°F)	54	57	60	62	66	69	71	74
		SUCTION SUPERHEAT (°F)	8	11	13	15	17	19	20	21
		OUTDOOR UNIT CURRENT (A)	12.0	12.7	13.5	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.0	8.7	9.6	10.7	12.0	13.5	15.3	17.2
		INDOOR COIL DB TEMP DROP (°F)	25	24	22	21	19	18	16	14

Continued on next page

## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1150	DISCHARGE PRESSURE (PSIG)	189	221	257	298	342	392	445	503
		DISCHARGE TEMPERATURE (°F)	86	100	115	129	143	157	172	186
		DISCHARGE SUPERHEAT (°F)	20	24	29	33	38	42	47	52
		SUCTION PRESSURE (PSIG)	109	110	112	115	119	124	129	136
		SUCTION TEMPERATURE (°F)	45	46	49	53	56	60	64	67
		SUCTION SUPERHEAT (°F)	9	10	12	14	16	17	19	20
		OUTDOOR UNIT CURRENT (A)	12.2	12.9	13.9	15.0	16.3	17.8	19.4	21.2
		COMPRESSOR CURRENT (A)	8.2	9.0	10.0	11.1	12.4	13.9	15.5	17.3
	INDOOR COIL DB TEMP DROP (°F)	37	36	34	32	30	28	26	23	
	1350	DISCHARGE PRESSURE (PSIG)	192	224	260	301	345	395	448	506
		DISCHARGE TEMPERATURE (°F)	86	100	115	128	143	157	171	186
		DISCHARGE SUPERHEAT (°F)	19	23	28	32	37	41	46	51
		SUCTION PRESSURE (PSIG)	117	118	120	123	127	132	137	144
		SUCTION TEMPERATURE (°F)	48	50	53	56	60	63	67	71
		SUCTION SUPERHEAT (°F)	9	10	12	14	16	17	19	20
		OUTDOOR UNIT CURRENT (A)	12.1	12.8	13.8	14.9	16.2	17.7	19.3	21.1
		COMPRESSOR CURRENT (A)	8.1	8.9	9.9	11.0	12.3	13.8	15.4	17.2
	INDOOR COIL DB TEMP DROP (°F)	34	33	31	29	27	25	23	20	
	1550	DISCHARGE PRESSURE (PSIG)	195	227	263	304	348	398	451	509
		DISCHARGE TEMPERATURE (°F)	86	100	114	128	143	156	171	185
		DISCHARGE SUPERHEAT (°F)	18	22	27	31	36	40	45	50
		SUCTION PRESSURE (PSIG)	125	126	128	131	135	140	145	152
		SUCTION TEMPERATURE (°F)	52	53	56	59	63	66	70	74
		SUCTION SUPERHEAT (°F)	9	10	12	14	16	17	19	20
		OUTDOOR UNIT CURRENT (A)	12.0	12.7	13.7	14.8	16.1	17.6	19.2	21.0
		COMPRESSOR CURRENT (A)	8.0	8.8	9.8	10.9	12.2	13.7	15.3	17.1
	INDOOR COIL DB TEMP DROP (°F)	31	30	28	26	24	22	20	17	
	80/62	1150	DISCHARGE PRESSURE (PSIG)	193	225	260	301	346	395	449
DISCHARGE TEMPERATURE (°F)			86	102	116	129	140	151	160	166
DISCHARGE SUPERHEAT (°F)			18	25	29	33	34	35	34	31
SUCTION PRESSURE (PSIG)			121	120	121	124	127	132	139	147
SUCTION TEMPERATURE (°F)			49	52	55	59	61	64	67	70
SUCTION SUPERHEAT (°F)			8	11	14	16	17	18	18	18
OUTDOOR UNIT CURRENT (A)			11.8	12.5	13.4	14.6	15.9	17.4	19.1	21.0
COMPRESSOR CURRENT (A)			7.8	8.6	9.5	10.6	12.0	13.5	15.2	17.1
INDOOR COIL DB TEMP DROP (°F)		33	32	30	29	27	25	23	21	
1350		DISCHARGE PRESSURE (PSIG)	195	227	262	303	348	397	451	510
		DISCHARGE TEMPERATURE (°F)	85	102	115	129	140	150	159	166
		DISCHARGE SUPERHEAT (°F)	17	24	28	32	33	34	33	30
		SUCTION PRESSURE (PSIG)	127	126	127	130	133	138	145	153
		SUCTION TEMPERATURE (°F)	52	54	58	61	63	66	69	72
		SUCTION SUPERHEAT (°F)	8	11	14	16	17	18	18	18
		OUTDOOR UNIT CURRENT (A)	11.8	12.5	13.4	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	7.8	8.6	9.5	10.6	12.0	13.5	15.2	17.1
INDOOR COIL DB TEMP DROP (°F)		31	30	28	27	25	23	21	19	
1550		DISCHARGE PRESSURE (PSIG)	197	229	264	305	350	399	453	512
		DISCHARGE TEMPERATURE (°F)	85	101	115	128	139	150	158	165
		DISCHARGE SUPERHEAT (°F)	16	23	27	31	32	33	32	29
		SUCTION PRESSURE (PSIG)	133	132	133	136	139	144	151	159
		SUCTION TEMPERATURE (°F)	54	57	60	63	66	69	71	74
		SUCTION SUPERHEAT (°F)	8	11	14	16	17	18	18	18
		OUTDOOR UNIT CURRENT (A)	11.8	12.5	13.4	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	7.8	8.6	9.5	10.6	12.0	13.5	15.2	17.1
INDOOR COIL DB TEMP DROP (°F)		29	28	26	25	23	21	19	17	

Continued on next page

## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1150	DISCHARGE PRESSURE (PSIG)	197	229	266	306	350	399	451	507
		DISCHARGE TEMPERATURE (°F)	92	102	114	128	140	155	169	184
		DISCHARGE SUPERHEAT (°F)	23	24	26	30	33	38	43	49
		SUCTION PRESSURE (PSIG)	136	136	137	138	140	143	146	150
		SUCTION TEMPERATURE (°F)	57	58	61	62	65	67	70	74
		SUCTION SUPERHEAT (°F)	10	11	13	14	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	12.1	12.7	13.6	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.1	8.8	9.6	10.7	12.0	13.5	15.2	17.1
	INDOOR COIL DB TEMP DROP (°F)	29	27	26	25	24	22	21	19	
	1350	DISCHARGE PRESSURE (PSIG)	199	231	268	308	352	401	453	509
		DISCHARGE TEMPERATURE (°F)	91	102	114	127	139	154	168	183
		DISCHARGE SUPERHEAT (°F)	22	23	25	29	32	37	42	48
		SUCTION PRESSURE (PSIG)	141	141	142	143	145	148	151	155
		SUCTION TEMPERATURE (°F)	59	60	63	64	67	69	72	76
		SUCTION SUPERHEAT (°F)	10	11	13	14	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	12.1	12.7	13.6	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.1	8.8	9.6	10.7	12.0	13.5	15.2	17.1
	INDOOR COIL DB TEMP DROP (°F)	27	25	24	23	22	20	19	17	
	1550	DISCHARGE PRESSURE (PSIG)	201	233	270	310	354	403	455	511
		DISCHARGE TEMPERATURE (°F)	91	101	113	126	139	153	168	183
		DISCHARGE SUPERHEAT (°F)	21	22	24	28	31	36	41	47
		SUCTION PRESSURE (PSIG)	146	146	147	148	150	153	156	160
		SUCTION TEMPERATURE (°F)	61	62	65	66	69	71	74	78
		SUCTION SUPERHEAT (°F)	10	11	13	14	16	17	19	21
		OUTDOOR UNIT CURRENT (A)	12.1	12.7	13.6	14.6	15.9	17.4	19.1	21.0
		COMPRESSOR CURRENT (A)	8.1	8.8	9.6	10.7	12.0	13.5	15.2	17.1
	INDOOR COIL DB TEMP DROP (°F)	25	23	22	21	20	18	17	15	
	80/72	1150	DISCHARGE PRESSURE (PSIG)	201	235	272	313	358	406	458
DISCHARGE TEMPERATURE (°F)			92	102	112	123	136	149	163	178
DISCHARGE SUPERHEAT (°F)			22	22	22	24	27	31	36	42
SUCTION PRESSURE (PSIG)			148	150	153	155	158	161	163	166
SUCTION TEMPERATURE (°F)			62	63	64	66	69	71	74	78
SUCTION SUPERHEAT (°F)			10	10	10	11	13	14	16	19
OUTDOOR UNIT CURRENT (A)			11.9	12.5	13.4	14.5	15.8	17.3	19.0	20.9
COMPRESSOR CURRENT (A)			7.9	8.6	9.5	10.6	11.9	13.4	15.1	17.0
INDOOR COIL DB TEMP DROP (°F)		24	23	22	20	19	18	16	14	
1350		DISCHARGE PRESSURE (PSIG)	202	236	273	314	359	407	459	515
		DISCHARGE TEMPERATURE (°F)	92	102	112	123	136	149	163	178
		DISCHARGE SUPERHEAT (°F)	22	22	22	24	27	31	36	42
		SUCTION PRESSURE (PSIG)	152	154	157	159	162	165	167	170
		SUCTION TEMPERATURE (°F)	64	64	65	67	70	72	75	79
		SUCTION SUPERHEAT (°F)	10	10	10	11	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	11.8	12.4	13.3	14.4	15.7	17.2	18.9	20.8
		COMPRESSOR CURRENT (A)	7.8	8.5	9.4	10.5	11.8	13.3	15.0	16.9
INDOOR COIL DB TEMP DROP (°F)		22	21	20	18	17	16	14	12	
1550		DISCHARGE PRESSURE (PSIG)	203	237	274	315	360	408	460	516
		DISCHARGE TEMPERATURE (°F)	93	102	112	124	136	149	163	179
		DISCHARGE SUPERHEAT (°F)	22	22	22	24	27	31	36	42
		SUCTION PRESSURE (PSIG)	156	158	161	163	166	169	171	174
		SUCTION TEMPERATURE (°F)	65	66	67	69	72	74	76	80
		SUCTION SUPERHEAT (°F)	10	10	10	11	13	14	16	19
		OUTDOOR UNIT CURRENT (A)	11.7	12.3	13.2	14.3	15.6	17.1	18.8	20.7
		COMPRESSOR CURRENT (A)	7.7	8.4	9.3	10.4	11.7	13.2	14.9	16.8
INDOOR COIL DB TEMP DROP (°F)		20	19	18	16	15	14	12	10	

Extended cooling low-speed service data for use with models:

**PHE6B6021**  
**PHE6B6031**  
**PHE6B6041**  
**PHG6B600652X1**  
**PHG6B601002X1**  
**PHG6B601252X1**  
**PHG6B600653X1**  
**PHG6B601003X1**  
**PHG6B601253X1**  
**PHG6B600654X1**  
**PHG6B601004X1**  
**PHG6B601254X1**

**PHE6B60 and PHG6B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1150	DISCHARGE PRESSURE (PSIG)	218	260	304	351	399	450	503
		DISCHARGE TEMPERATURE (°F)	102	118	131	145	158	170	181
		DISCHARGE SUPERHEAT (°F)	27	31	34	38	41	44	47
		SUCTION PRESSURE (PSIG)	112	123	132	139	144	147	148
		SUCTION TEMPERATURE (°F)	50	56	60	63	65	65	64
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	11.6	13.2	14.8	16.4	17.9	19.4	20.8
		COMPRESSOR CURRENT (A)	8.1	9.5	10.9	12.4	13.9	15.4	17.0
	INDOOR COIL DB TEMP DROP (°F)	34	35	35	34	32	29	25	
	1350	DISCHARGE PRESSURE (PSIG)	221	263	307	354	402	453	506
		DISCHARGE TEMPERATURE (°F)	101	116	130	144	156	168	180
		DISCHARGE SUPERHEAT (°F)	25	29	32	36	39	42	45
		SUCTION PRESSURE (PSIG)	120	131	140	147	152	155	156
		SUCTION TEMPERATURE (°F)	54	59	63	66	68	68	67
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.7	16.3	17.8	19.3	20.7
		COMPRESSOR CURRENT (A)	8.0	9.4	10.8	12.3	13.8	15.3	16.9
	INDOOR COIL DB TEMP DROP (°F)	32	33	33	32	30	27	23	
	1550	DISCHARGE PRESSURE (PSIG)	224	266	310	357	405	456	509
		DISCHARGE TEMPERATURE (°F)	100	115	128	142	155	167	178
		DISCHARGE SUPERHEAT (°F)	23	27	30	34	37	40	43
		SUCTION PRESSURE (PSIG)	128	139	148	155	160	163	164
		SUCTION TEMPERATURE (°F)	57	63	66	69	71	71	70
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
OUTDOOR UNIT CURRENT (A)		11.4	13.0	14.6	16.2	17.7	19.2	20.6	
COMPRESSOR CURRENT (A)		7.9	9.3	10.7	12.2	13.7	15.2	16.8	
INDOOR COIL DB TEMP DROP (°F)	30	31	31	30	28	25	21		

Continued on next page

## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1150	DISCHARGE PRESSURE (PSIG)	219	261	304	350	397	447	499
		DISCHARGE TEMPERATURE (°F)	99	114	128	141	153	166	178
		DISCHARGE SUPERHEAT (°F)	24	27	31	34	37	41	44
		SUCTION PRESSURE (PSIG)	113	122	130	135	138	139	137
		SUCTION TEMPERATURE (°F)	47	52	55	57	58	58	56
		SUCTION SUPERHEAT (°F)	9	10	10	10	10	9	8
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.7	16.3	17.8	19.4	20.9
		COMPRESSOR CURRENT (A)	7.9	9.3	10.7	12.2	13.8	15.4	17.0
	INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	16	14	
	1350	DISCHARGE PRESSURE (PSIG)	220	262	305	351	398	448	500
		DISCHARGE TEMPERATURE (°F)	100	114	128	141	153	166	178
		DISCHARGE SUPERHEAT (°F)	24	27	31	34	37	41	44
		SUCTION PRESSURE (PSIG)	117	126	134	139	142	143	141
		SUCTION TEMPERATURE (°F)	49	54	58	60	61	60	58
		SUCTION SUPERHEAT (°F)	10	11	11	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.7	16.3	17.8	19.4	20.9
		COMPRESSOR CURRENT (A)	7.9	9.3	10.7	12.2	13.8	15.4	17.0
	INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	15	13	
	1550	DISCHARGE PRESSURE (PSIG)	221	263	306	352	399	449	501
		DISCHARGE TEMPERATURE (°F)	100	114	129	141	154	167	178
		DISCHARGE SUPERHEAT (°F)	24	27	31	34	37	41	44
		SUCTION PRESSURE (PSIG)	121	130	138	143	146	147	145
		SUCTION TEMPERATURE (°F)	52	57	60	62	63	63	61
		SUCTION SUPERHEAT (°F)	11	12	12	12	12	11	10
		OUTDOOR UNIT CURRENT (A)	11.5	13.1	14.7	16.3	17.8	19.4	20.9
		COMPRESSOR CURRENT (A)	7.9	9.3	10.7	12.2	13.8	15.4	17.0
	INDOOR COIL DB TEMP DROP (°F)	17	17	17	17	16	14	12	
	90/62	1150	DISCHARGE PRESSURE (PSIG)	224	266	310	356	404	454
DISCHARGE TEMPERATURE (°F)			98	112	126	139	153	165	178
DISCHARGE SUPERHEAT (°F)			21	24	28	31	35	39	43
SUCTION PRESSURE (PSIG)			128	139	147	153	157	158	156
SUCTION TEMPERATURE (°F)			52	58	62	65	66	67	67
SUCTION SUPERHEAT (°F)			8	9	10	11	11	11	12
OUTDOOR UNIT CURRENT (A)			11.3	13.0	14.6	16.1	17.7	19.2	20.7
COMPRESSOR CURRENT (A)			7.8	9.2	10.6	12.1	13.6	15.2	16.8
INDOOR COIL DB TEMP DROP (°F)		14	14	14	13	11	9	7	
1350		DISCHARGE PRESSURE (PSIG)	225	267	311	357	405	455	507
		DISCHARGE TEMPERATURE (°F)	97	111	126	138	152	165	177
		DISCHARGE SUPERHEAT (°F)	20	23	27	30	34	38	42
		SUCTION PRESSURE (PSIG)	131	142	150	156	160	161	159
		SUCTION TEMPERATURE (°F)	53	59	63	66	68	68	68
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.3	13.0	14.6	16.1	17.7	19.2	20.7
		COMPRESSOR CURRENT (A)	7.8	9.2	10.6	12.1	13.6	15.2	16.8
INDOOR COIL DB TEMP DROP (°F)		13	13	13	12	10	8	6	
1550		DISCHARGE PRESSURE (PSIG)	226	268	312	358	406	456	508
		DISCHARGE TEMPERATURE (°F)	96	111	125	138	151	164	176
		DISCHARGE SUPERHEAT (°F)	19	22	26	29	33	37	41
		SUCTION PRESSURE (PSIG)	134	145	153	159	163	164	162
		SUCTION TEMPERATURE (°F)	55	60	64	67	69	69	69
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	11	12
		OUTDOOR UNIT CURRENT (A)	11.3	13.0	14.6	16.1	17.7	19.2	20.7
		COMPRESSOR CURRENT (A)	7.8	9.2	10.6	12.1	13.6	15.2	16.8
INDOOR COIL DB TEMP DROP (°F)		12	12	12	11	9	7	5	

Continued on next page

## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1150	DISCHARGE PRESSURE (PSIG)	221	263	307	354	402	452	504
		DISCHARGE TEMPERATURE (°F)	100	115	130	143	156	168	181
		DISCHARGE SUPERHEAT (°F)	24	28	32	35	39	42	46
		SUCTION PRESSURE (PSIG)	121	132	140	146	150	152	151
		SUCTION TEMPERATURE (°F)	54	60	63	65	67	67	65
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	17.7	19.2	20.7
		COMPRESSOR CURRENT (A)	7.8	9.2	10.6	12.1	13.7	15.2	16.9
	INDOOR COIL DB TEMP DROP (°F)	33	34	34	33	32	29	26	
	1350	DISCHARGE PRESSURE (PSIG)	223	265	309	356	404	454	506
		DISCHARGE TEMPERATURE (°F)	100	115	129	142	156	167	180
		DISCHARGE SUPERHEAT (°F)	23	27	31	34	38	41	45
		SUCTION PRESSURE (PSIG)	126	137	145	151	155	157	156
		SUCTION TEMPERATURE (°F)	56	62	65	67	69	68	67
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	17.7	19.2	20.7
		COMPRESSOR CURRENT (A)	7.8	9.2	10.6	12.1	13.7	15.2	16.9
	INDOOR COIL DB TEMP DROP (°F)	31	32	32	31	30	27	24	
	1550	DISCHARGE PRESSURE (PSIG)	225	267	311	358	406	456	508
		DISCHARGE TEMPERATURE (°F)	99	114	129	142	155	167	179
		DISCHARGE SUPERHEAT (°F)	22	26	30	33	37	40	44
		SUCTION PRESSURE (PSIG)	131	142	150	156	160	162	161
		SUCTION TEMPERATURE (°F)	58	64	67	69	71	70	69
		SUCTION SUPERHEAT (°F)	13	14	14	14	14	13	12
		OUTDOOR UNIT CURRENT (A)	11.4	13.0	14.6	16.2	17.7	19.2	20.7
		COMPRESSOR CURRENT (A)	7.8	9.2	10.6	12.1	13.7	15.2	16.9
	INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	28	25	22	
	70/62	1150	DISCHARGE PRESSURE (PSIG)	224	266	310	357	405	456
DISCHARGE TEMPERATURE (°F)			96	110	124	138	152	165	177
DISCHARGE SUPERHEAT (°F)			19	22	26	30	34	38	42
SUCTION PRESSURE (PSIG)			135	146	155	160	163	164	161
SUCTION TEMPERATURE (°F)			55	60	65	68	69	70	70
SUCTION SUPERHEAT (°F)			8	9	10	11	11	12	13
OUTDOOR UNIT CURRENT (A)			11.2	12.8	14.4	16.0	17.6	19.1	20.7
COMPRESSOR CURRENT (A)			7.6	9.0	10.5	12.0	13.5	15.2	16.9
INDOOR COIL DB TEMP DROP (°F)		30	31	31	31	29	27	24	
1350		DISCHARGE PRESSURE (PSIG)	226	268	312	359	407	458	510
		DISCHARGE TEMPERATURE (°F)	96	111	125	139	152	165	178
		DISCHARGE SUPERHEAT (°F)	19	22	26	30	34	38	42
		SUCTION PRESSURE (PSIG)	139	150	159	164	167	168	165
		SUCTION TEMPERATURE (°F)	57	62	66	69	70	71	71
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	11.2	12.8	14.4	16.0	17.6	19.1	20.7
		COMPRESSOR CURRENT (A)	7.6	9.0	10.5	12.0	13.5	15.2	16.9
INDOOR COIL DB TEMP DROP (°F)		28	29	29	29	27	25	22	
1550		DISCHARGE PRESSURE (PSIG)	228	270	314	361	409	460	512
		DISCHARGE TEMPERATURE (°F)	97	111	125	139	153	165	178
		DISCHARGE SUPERHEAT (°F)	19	22	26	30	34	38	42
		SUCTION PRESSURE (PSIG)	143	154	163	168	171	172	169
		SUCTION TEMPERATURE (°F)	58	63	68	70	71	73	73
		SUCTION SUPERHEAT (°F)	8	9	10	11	11	12	13
		OUTDOOR UNIT CURRENT (A)	11.2	12.8	14.4	16.0	17.6	19.1	20.7
		COMPRESSOR CURRENT (A)	7.6	9.0	10.5	12.0	13.5	15.2	16.9
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	25	23	20	

Standard cooling high-speed service data for use with models:

- PHE6B6021
- PHE6B6031
- PHE6B6041
- PHG6B600652X1
- PHG6B601002X1
- PHG6B601252X1
- PHG6B600653X1
- PHG6B601003X1
- PHG6B601253X1
- PHG6B600654X1
- PHG6B601004X1
- PHG6B601254X1

PHE6B60 AND PHG6B60 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT			
55	210 (26)	214 (26)	219 (26)	221 (28)
60	226 (27)	231 (26)	236 (26)	239 (27)
65	244 (28)	248 (27)	254 (25)	258 (25)
70	262 (29)	267 (27)	273 (25)	278 (24)
75	282 (30)	286 (28)	292 (26)	298 (24)
80	303 (31)	307 (29)	313 (26)	320 (24)
85	324 (33)	329 (30)	334 (27)	342 (24)
90	347 (34)	351 (31)	357 (28)	365 (24)
95	371 (35)	375 (32)	380 (29)	389 (25)
100	396 (37)	399 (34)	405 (30)	413 (26)
105	422 (38)	425 (36)	430 (32)	439 (27)
110	448 (40)	452 (37)	456 (34)	465 (29)
115	476 (42)	479 (40)	483 (36)	492 (31)
120	505 (43)	508 (42)	512 (38)	520 (34)
125	535 (45)	537 (45)	541 (40)	548 (36)

**Notes:**

- The charging chart is for use only in high-stage (full capacity) mode.
- The charging chart is for use only in cooling mode.

**PHE6B60 and PHG6B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1600	DISCHARGE PRESSURE (PSIG)	212	246	285	327	373	423	477	534
		DISCHARGE TEMPERATURE (°F)	100	110	122	133	145	158	171	185
		DISCHARGE SUPERHEAT (°F)	27	27	29	31	33	37	41	46
		SUCTION PRESSURE (PSIG)	120	121	123	125	128	131	134	138
		SUCTION TEMPERATURE (°F)	53	54	56	59	62	65	69	73
		SUCTION SUPERHEAT (°F)	12	13	14	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	16.5	17.3	18.4	19.7	21.3	23.2	25.3	27.6
		COMPRESSOR CURRENT (A)	11.1	12.0	13.2	14.6	16.3	18.2	20.4	22.9
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	21	20	18
	1800	DISCHARGE PRESSURE (PSIG)	214	248	287	329	375	425	479	536
		DISCHARGE TEMPERATURE (°F)	100	109	121	133	144	157	171	185
		DISCHARGE SUPERHEAT (°F)	26	26	28	30	32	36	40	45
		SUCTION PRESSURE (PSIG)	123	124	126	128	131	134	137	141
		SUCTION TEMPERATURE (°F)	54	56	57	60	63	67	70	74
		SUCTION SUPERHEAT (°F)	12	13	14	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	16.9	17.7	18.8	20.1	21.7	23.6	25.7	28.0
		COMPRESSOR CURRENT (A)	11.2	12.1	13.3	14.7	16.4	18.3	20.5	23.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	20	19	17
	2000	DISCHARGE PRESSURE (PSIG)	216	250	289	331	377	427	481	538
		DISCHARGE TEMPERATURE (°F)	100	109	121	132	143	157	170	184
		DISCHARGE SUPERHEAT (°F)	25	25	27	29	31	35	39	44
		SUCTION PRESSURE (PSIG)	126	127	129	131	134	137	140	144
		SUCTION TEMPERATURE (°F)	55	57	59	61	65	68	71	76
		SUCTION SUPERHEAT (°F)	12	13	14	16	18	20	22	25
		OUTDOOR UNIT CURRENT (A)	17.3	18.1	19.2	20.5	22.1	24.0	26.1	28.4
		COMPRESSOR CURRENT (A)	11.3	12.2	13.4	14.8	16.5	18.4	20.6	23.1
		INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	19	18	16

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## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1600	DISCHARGE PRESSURE (PSIG)	207	241	279	321	368	419	473	532
		DISCHARGE TEMPERATURE (°F)	99	111	122	135	147	159	173	185
		DISCHARGE SUPERHEAT (°F)	27	29	31	34	36	39	43	46
		SUCTION PRESSURE (PSIG)	108	110	113	117	121	125	130	136
		SUCTION TEMPERATURE (°F)	49	52	56	59	63	66	69	72
		SUCTION SUPERHEAT (°F)	14	16	18	20	22	23	24	25
		OUTDOOR UNIT CURRENT (A)	15.8	16.8	18.0	19.5	21.2	23.2	25.5	28.1
		COMPRESSOR CURRENT (A)	11.0	11.9	13.1	14.5	16.2	18.1	20.4	22.8
	INDOOR COIL DB TEMP DROP (°F)	37	35	33	31	30	28	26	24	
	1800	DISCHARGE PRESSURE (PSIG)	210	244	282	324	371	422	476	535
		DISCHARGE TEMPERATURE (°F)	99	110	122	135	146	159	172	184
		DISCHARGE SUPERHEAT (°F)	26	28	30	33	35	38	42	45
		SUCTION PRESSURE (PSIG)	114	116	119	123	127	131	136	142
		SUCTION TEMPERATURE (°F)	51	54	57	61	65	67	70	74
		SUCTION SUPERHEAT (°F)	13	15	17	19	21	22	23	24
		OUTDOOR UNIT CURRENT (A)	16.3	17.3	18.5	20.0	21.7	23.7	26.0	28.6
		COMPRESSOR CURRENT (A)	11.1	12.0	13.2	14.6	16.3	18.2	20.5	22.9
	INDOOR COIL DB TEMP DROP (°F)	35	33	31	29	28	26	24	22	
	2000	DISCHARGE PRESSURE (PSIG)	213	247	285	327	374	425	479	538
		DISCHARGE TEMPERATURE (°F)	99	110	122	134	146	158	172	184
		DISCHARGE SUPERHEAT (°F)	25	27	29	32	34	37	41	44
		SUCTION PRESSURE (PSIG)	120	122	125	129	133	137	142	148
		SUCTION TEMPERATURE (°F)	53	56	59	63	66	69	72	75
		SUCTION SUPERHEAT (°F)	12	14	16	18	20	21	22	23
OUTDOOR UNIT CURRENT (A)		16.8	17.8	19.0	20.5	22.2	24.2	26.5	29.1	
COMPRESSOR CURRENT (A)		11.2	12.1	13.3	14.7	16.4	18.3	20.6	23.0	
INDOOR COIL DB TEMP DROP (°F)	33	31	29	27	26	24	22	20		
80/62	1600	DISCHARGE PRESSURE (PSIG)	212	246	284	327	373	423	477	535
		DISCHARGE TEMPERATURE (°F)	100	111	121	133	145	158	171	185
		DISCHARGE SUPERHEAT (°F)	27	28	29	31	33	37	41	46
		SUCTION PRESSURE (PSIG)	119	121	123	125	128	131	135	139
		SUCTION TEMPERATURE (°F)	54	57	59	62	64	66	69	72
		SUCTION SUPERHEAT (°F)	14	16	17	19	20	21	22	23
		OUTDOOR UNIT CURRENT (A)	16.2	17.4	18.7	20.3	22.1	24.1	26.2	28.6
		COMPRESSOR CURRENT (A)	11.2	12.1	13.2	14.6	16.3	18.3	20.5	23.0
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	26	24	22	
	1800	DISCHARGE PRESSURE (PSIG)	214	248	286	329	375	425	479	537
		DISCHARGE TEMPERATURE (°F)	100	110	121	133	144	157	171	185
		DISCHARGE SUPERHEAT (°F)	26	27	28	30	32	36	40	45
		SUCTION PRESSURE (PSIG)	123	125	127	129	132	135	139	143
		SUCTION TEMPERATURE (°F)	56	59	61	64	66	68	71	73
		SUCTION SUPERHEAT (°F)	14	16	17	19	20	21	22	23
		OUTDOOR UNIT CURRENT (A)	16.4	17.6	18.9	20.5	22.3	24.3	26.4	28.8
		COMPRESSOR CURRENT (A)	11.3	12.2	13.3	14.7	16.4	18.4	20.6	23.1
	INDOOR COIL DB TEMP DROP (°F)	31	30	28	27	26	24	22	20	
	2000	DISCHARGE PRESSURE (PSIG)	216	250	288	331	377	427	481	539
		DISCHARGE TEMPERATURE (°F)	100	110	120	132	143	157	170	184
		DISCHARGE SUPERHEAT (°F)	25	26	27	29	31	35	39	44
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	139	143	147
		SUCTION TEMPERATURE (°F)	58	61	62	65	67	70	72	75
		SUCTION SUPERHEAT (°F)	14	16	17	19	20	21	22	23
OUTDOOR UNIT CURRENT (A)		16.6	17.8	19.1	20.7	22.5	24.5	26.6	29.0	
COMPRESSOR CURRENT (A)		11.4	12.3	13.4	14.8	16.5	18.5	20.7	23.2	
INDOOR COIL DB TEMP DROP (°F)	29	28	26	25	24	22	20	18		

Continued on next page

## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1600	DISCHARGE PRESSURE (PSIG)	217	252	290	332	378	428	481	539
		DISCHARGE TEMPERATURE (°F)	101	109	120	130	142	154	167	180
		DISCHARGE SUPERHEAT (°F)	26	25	26	27	29	32	36	40
		SUCTION PRESSURE (PSIG)	132	134	136	138	140	143	146	149
		SUCTION TEMPERATURE (°F)	60	60	61	63	65	68	72	77
		SUCTION SUPERHEAT (°F)	14	13	14	15	16	18	21	24
		OUTDOOR UNIT CURRENT (A)	15.8	16.7	17.8	19.1	20.7	22.5	24.6	26.8
		COMPRESSOR CURRENT (A)	11.5	12.3	13.5	14.8	16.4	18.2	20.3	22.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	23	22	20	19
	1800	DISCHARGE PRESSURE (PSIG)	219	254	292	334	380	430	483	541
		DISCHARGE TEMPERATURE (°F)	101	110	120	131	142	154	167	180
		DISCHARGE SUPERHEAT (°F)	26	25	26	27	29	32	36	40
		SUCTION PRESSURE (PSIG)	135	137	139	141	143	146	149	152
		SUCTION TEMPERATURE (°F)	61	61	63	64	66	69	74	78
		SUCTION SUPERHEAT (°F)	14	13	14	15	16	18	21	24
		OUTDOOR UNIT CURRENT (A)	16.6	17.5	18.6	19.9	21.5	23.3	25.4	27.6
		COMPRESSOR CURRENT (A)	11.6	12.4	13.6	14.9	16.5	18.3	20.4	22.7
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	23	22	21	19	18
	2000	DISCHARGE PRESSURE (PSIG)	221	256	294	336	382	432	485	543
		DISCHARGE TEMPERATURE (°F)	102	110	121	131	142	155	168	181
		DISCHARGE SUPERHEAT (°F)	26	25	26	27	29	32	36	40
		SUCTION PRESSURE (PSIG)	138	140	142	144	146	149	152	155
		SUCTION TEMPERATURE (°F)	62	62	64	66	67	71	75	79
		SUCTION SUPERHEAT (°F)	14	13	14	15	16	18	21	24
OUTDOOR UNIT CURRENT (A)		17.4	18.3	19.4	20.7	22.3	24.1	26.2	28.4	
COMPRESSOR CURRENT (A)		11.7	12.5	13.7	15.0	16.6	18.4	20.5	22.8	
INDOOR COIL DB TEMP DROP (°F)		25	24	23	22	21	20	18	17	
80/72	1600	DISCHARGE PRESSURE (PSIG)	220	257	297	341	388	438	491	547
		DISCHARGE TEMPERATURE (°F)	104	111	119	129	140	151	164	177
		DISCHARGE SUPERHEAT (°F)	28	25	24	24	25	27	31	36
		SUCTION PRESSURE (PSIG)	136	141	146	151	154	158	161	163
		SUCTION TEMPERATURE (°F)	64	64	65	67	68	72	75	80
		SUCTION SUPERHEAT (°F)	17	15	14	14	14	16	18	22
		OUTDOOR UNIT CURRENT (A)	17.2	18.3	19.4	20.8	22.3	23.9	25.7	27.7
		COMPRESSOR CURRENT (A)	11.7	12.6	13.8	15.2	16.8	18.6	20.6	22.9
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	18	17	15	14
	1800	DISCHARGE PRESSURE (PSIG)	221	258	298	342	389	439	492	548
		DISCHARGE TEMPERATURE (°F)	104	111	120	129	140	151	164	177
		DISCHARGE SUPERHEAT (°F)	28	25	24	24	25	27	31	36
		SUCTION PRESSURE (PSIG)	139	144	149	154	157	161	164	166
		SUCTION TEMPERATURE (°F)	66	66	67	68	69	73	76	81
		SUCTION SUPERHEAT (°F)	17	15	14	14	14	16	18	22
		OUTDOOR UNIT CURRENT (A)	17.4	18.5	19.6	21.0	22.5	24.1	25.9	27.9
		COMPRESSOR CURRENT (A)	11.7	12.6	13.8	15.2	16.8	18.6	20.6	22.9
		INDOOR COIL DB TEMP DROP (°F)	22	21	20	19	17	16	14	13
	2000	DISCHARGE PRESSURE (PSIG)	222	259	299	343	390	440	493	549
		DISCHARGE TEMPERATURE (°F)	104	111	120	130	140	151	164	178
		DISCHARGE SUPERHEAT (°F)	28	25	24	24	25	27	31	36
		SUCTION PRESSURE (PSIG)	142	147	152	157	160	164	167	169
		SUCTION TEMPERATURE (°F)	67	67	68	69	71	74	77	82
		SUCTION SUPERHEAT (°F)	17	15	14	14	14	16	18	22
OUTDOOR UNIT CURRENT (A)		17.6	18.7	19.8	21.2	22.7	24.3	26.1	28.1	
COMPRESSOR CURRENT (A)		11.7	12.6	13.8	15.2	16.8	18.6	20.6	22.9	
INDOOR COIL DB TEMP DROP (°F)		21	20	19	18	16	15	13	12	

Extended cooling high-speed service data for use with models:

**PHE6B6021**  
**PHE6B6031**  
**PHE6B6041**  
**PHG6B600652X1**  
**PHG6B601002X1**  
**PHG6B601252X1**  
**PHG6B600653X1**  
**PHG6B601003X1**  
**PHG6B601253X1**  
**PHG6B600654X1**  
**PHG6B601004X1**  
**PHG6B601254X1**

**PHE6B60 and PHG6B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/72	1600	DISCHARGE PRESSURE (PSIG)	237	282	328	377	428	481	537
		DISCHARGE TEMPERATURE (°F)	108	124	137	149	162	173	184
		DISCHARGE SUPERHEAT (°F)	28	32	35	37	40	42	44
		SUCTION PRESSURE (PSIG)	113	123	132	139	145	148	149
		SUCTION TEMPERATURE (°F)	51	56	60	64	66	67	68
		SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	15.8	18.0	20.2	22.3	24.3	26.3	28.2
		COMPRESSOR CURRENT (A)	11.2	13.0	14.9	16.9	18.9	20.9	22.9
	INDOOR COIL DB TEMP DROP (°F)	35	36	36	36	34	31	27	
	1800	DISCHARGE PRESSURE (PSIG)	239	284	330	379	430	483	539
		DISCHARGE TEMPERATURE (°F)	108	123	137	149	161	172	183
		DISCHARGE SUPERHEAT (°F)	27	31	34	36	39	41	43
		SUCTION PRESSURE (PSIG)	118	128	137	144	150	153	154
		SUCTION TEMPERATURE (°F)	53	58	62	66	68	69	69
		SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	16.1	18.3	20.5	22.6	24.6	26.6	28.5
		COMPRESSOR CURRENT (A)	11.3	13.1	15.0	17.0	19.0	21.0	23.0
	INDOOR COIL DB TEMP DROP (°F)	33	34	34	34	32	29	25	
	2000	DISCHARGE PRESSURE (PSIG)	241	286	332	381	432	485	541
		DISCHARGE TEMPERATURE (°F)	108	123	136	148	161	172	182
		DISCHARGE SUPERHEAT (°F)	26	30	33	35	38	40	42
		SUCTION PRESSURE (PSIG)	123	133	142	149	155	158	159
		SUCTION TEMPERATURE (°F)	55	60	64	68	70	71	71
		SUCTION SUPERHEAT (°F)	13	14	14	15	15	15	15
OUTDOOR UNIT CURRENT (A)		16.4	18.6	20.8	22.9	24.9	26.9	28.8	
COMPRESSOR CURRENT (A)		11.4	13.2	15.1	17.1	19.1	21.1	23.1	
INDOOR COIL DB TEMP DROP (°F)	31	32	32	32	30	27	23		

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## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1600	DISCHARGE PRESSURE (PSIG)	234	278	324	372	422	474	527
		DISCHARGE TEMPERATURE (°F)	106	120	135	147	160	172	183
		DISCHARGE SUPERHEAT (°F)	26	29	33	36	39	42	45
		SUCTION PRESSURE (PSIG)	111	120	127	132	135	136	135
		SUCTION TEMPERATURE (°F)	48	53	56	59	60	60	59
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	15.1	17.2	19.3	21.3	23.2	25.1	26.9
		COMPRESSOR CURRENT (A)	11.0	12.8	14.7	16.6	18.5	20.5	22.5
	INDOOR COIL DB TEMP DROP (°F)	19	20	20	19	18	16	14	
	1800	DISCHARGE PRESSURE (PSIG)	236	280	326	374	424	476	529
		DISCHARGE TEMPERATURE (°F)	106	120	135	148	160	172	184
		DISCHARGE SUPERHEAT (°F)	26	29	33	36	39	42	45
		SUCTION PRESSURE (PSIG)	114	123	130	135	138	139	138
		SUCTION TEMPERATURE (°F)	49	54	57	60	61	62	60
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	15.7	17.8	19.9	21.9	23.8	25.7	27.5
		COMPRESSOR CURRENT (A)	11.1	12.9	14.8	16.7	18.6	20.6	22.6
	INDOOR COIL DB TEMP DROP (°F)	18	19	19	18	17	15	13	
	2000	DISCHARGE PRESSURE (PSIG)	238	282	328	376	426	478	531
		DISCHARGE TEMPERATURE (°F)	107	121	135	148	161	172	184
		DISCHARGE SUPERHEAT (°F)	26	29	33	36	39	42	45
		SUCTION PRESSURE (PSIG)	117	126	133	138	141	142	141
		SUCTION TEMPERATURE (°F)	50	55	58	61	62	63	61
		SUCTION SUPERHEAT (°F)	11	12	12	13	13	13	12
		OUTDOOR UNIT CURRENT (A)	16.3	18.4	20.5	22.5	24.4	26.3	28.1
		COMPRESSOR CURRENT (A)	11.2	13.0	14.9	16.8	18.7	20.7	22.7
	INDOOR COIL DB TEMP DROP (°F)	17	18	18	17	16	14	12	
	90/62	1600	DISCHARGE PRESSURE (PSIG)	243	287	334	382	432	483
DISCHARGE TEMPERATURE (°F)			106	120	134	146	159	169	180
DISCHARGE SUPERHEAT (°F)			24	27	30	33	36	38	40
SUCTION PRESSURE (PSIG)			126	136	144	150	152	153	151
SUCTION TEMPERATURE (°F)			53	58	63	65	66	66	64
SUCTION SUPERHEAT (°F)			10	11	12	12	12	12	11
OUTDOOR UNIT CURRENT (A)			15.9	18.0	20.1	22.1	24.0	25.8	27.5
COMPRESSOR CURRENT (A)			11.4	13.2	15.1	17.0	18.9	20.9	22.9
INDOOR COIL DB TEMP DROP (°F)		14	14	14	13	12	10	8	
1800		DISCHARGE PRESSURE (PSIG)	244	288	335	383	433	484	538
		DISCHARGE TEMPERATURE (°F)	106	120	134	147	159	169	180
		DISCHARGE SUPERHEAT (°F)	24	27	30	33	36	38	40
		SUCTION PRESSURE (PSIG)	128	138	146	152	154	155	153
		SUCTION TEMPERATURE (°F)	54	59	63	66	66	67	65
		SUCTION SUPERHEAT (°F)	10	11	12	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	16.3	18.4	20.5	22.5	24.4	26.2	27.9
		COMPRESSOR CURRENT (A)	11.4	13.2	15.1	17.0	18.9	20.9	22.9
INDOOR COIL DB TEMP DROP (°F)		13	13	13	12	11	9	7	
2000		DISCHARGE PRESSURE (PSIG)	245	289	336	384	434	485	539
		DISCHARGE TEMPERATURE (°F)	107	121	134	147	159	170	180
		DISCHARGE SUPERHEAT (°F)	24	27	30	33	36	38	40
		SUCTION PRESSURE (PSIG)	130	140	148	154	156	157	155
		SUCTION TEMPERATURE (°F)	55	60	64	66	67	67	66
		SUCTION SUPERHEAT (°F)	10	11	12	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	16.7	18.8	20.9	22.9	24.8	26.6	28.3
		COMPRESSOR CURRENT (A)	11.4	13.2	15.1	17.0	18.9	20.9	22.9
INDOOR COIL DB TEMP DROP (°F)		12	12	12	11	10	8	6	

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## PHE6B60 and PHG6B60 (Continued)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1600	DISCHARGE PRESSURE (PSIG)	241	285	331	379	429	481	535
		DISCHARGE TEMPERATURE (°F)	108	123	136	149	161	172	183
		DISCHARGE SUPERHEAT (°F)	26	30	33	36	39	41	44
		SUCTION PRESSURE (PSIG)	121	131	139	145	148	149	148
		SUCTION TEMPERATURE (°F)	53	58	63	66	67	68	67
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	15.2	17.4	19.5	21.5	23.4	25.3	27.1
		COMPRESSOR CURRENT (A)	11.3	13.1	15.0	16.9	18.8	20.8	22.8
	INDOOR COIL DB TEMP DROP (°F)	32	33	34	33	32	29	26	
	1800	DISCHARGE PRESSURE (PSIG)	243	287	333	381	431	483	537
		DISCHARGE TEMPERATURE (°F)	108	123	136	149	161	172	184
		DISCHARGE SUPERHEAT (°F)	26	30	33	36	39	41	44
		SUCTION PRESSURE (PSIG)	125	135	143	149	152	153	152
		SUCTION TEMPERATURE (°F)	55	60	64	68	69	69	69
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	15.9	18.1	20.2	22.2	24.1	26.0	27.8
		COMPRESSOR CURRENT (A)	11.4	13.2	15.1	17.0	18.9	20.9	22.9
	INDOOR COIL DB TEMP DROP (°F)	31	32	33	32	31	28	25	
	2000	DISCHARGE PRESSURE (PSIG)	245	289	335	383	433	485	539
		DISCHARGE TEMPERATURE (°F)	108	123	136	149	161	172	183
		DISCHARGE SUPERHEAT (°F)	25	29	32	35	38	40	43
		SUCTION PRESSURE (PSIG)	129	139	147	153	156	157	156
		SUCTION TEMPERATURE (°F)	57	62	66	69	70	70	70
		SUCTION SUPERHEAT (°F)	12	13	14	15	15	15	15
		OUTDOOR UNIT CURRENT (A)	16.6	18.8	20.9	22.9	24.8	26.7	28.5
		COMPRESSOR CURRENT (A)	11.5	13.3	15.2	17.1	19.0	21.0	23.0
	INDOOR COIL DB TEMP DROP (°F)	30	31	32	31	30	27	24	
	70/62	1600	DISCHARGE PRESSURE (PSIG)	248	293	339	387	437	488
DISCHARGE TEMPERATURE (°F)			108	123	136	147	160	171	181
DISCHARGE SUPERHEAT (°F)			25	28	31	33	36	39	41
SUCTION PRESSURE (PSIG)			135	146	154	160	162	162	160
SUCTION TEMPERATURE (°F)			57	62	66	69	70	70	70
SUCTION SUPERHEAT (°F)			10	11	12	12	13	13	13
OUTDOOR UNIT CURRENT (A)			16.3	18.5	20.7	22.7	24.7	26.6	28.5
COMPRESSOR CURRENT (A)			11.5	13.4	15.3	17.2	19.1	21.1	23.0
INDOOR COIL DB TEMP DROP (°F)		28	29	29	29	28	26	23	
1800		DISCHARGE PRESSURE (PSIG)	249	294	340	388	438	489	542
		DISCHARGE TEMPERATURE (°F)	109	123	136	148	160	171	181
		DISCHARGE SUPERHEAT (°F)	25	28	31	33	36	39	41
		SUCTION PRESSURE (PSIG)	137	148	156	162	164	164	162
		SUCTION TEMPERATURE (°F)	59	64	68	70	72	72	71
		SUCTION SUPERHEAT (°F)	11	12	13	13	14	14	14
		OUTDOOR UNIT CURRENT (A)	16.5	18.7	20.9	22.9	24.9	26.8	28.7
		COMPRESSOR CURRENT (A)	11.6	13.5	15.4	17.3	19.2	21.2	23.1
INDOOR COIL DB TEMP DROP (°F)		27	28	28	28	27	25	22	
2000		DISCHARGE PRESSURE (PSIG)	250	295	341	389	439	490	543
		DISCHARGE TEMPERATURE (°F)	109	123	136	148	160	171	182
		DISCHARGE SUPERHEAT (°F)	25	28	31	33	36	39	41
		SUCTION PRESSURE (PSIG)	139	150	158	164	166	166	164
		SUCTION TEMPERATURE (°F)	61	66	70	72	74	74	73
		SUCTION SUPERHEAT (°F)	12	13	14	14	15	15	15
		OUTDOOR UNIT CURRENT (A)	16.7	18.9	21.1	23.1	25.1	27.0	28.9
		COMPRESSOR CURRENT (A)	11.7	13.6	15.5	17.4	19.3	21.3	23.2
INDOOR COIL DB TEMP DROP (°F)		26	27	27	27	26	24	21	

Standard heating low-speed service data for use with models:

PHE6B6021  
 PHE6B6031  
 PHE6B6041  
 PHG6B600652X1  
 PHG6B601002X1  
 PHG6B601252X1  
 PHG6B600653X1  
 PHG6B601003X1  
 PHG6B601253X1  
 PHG6B600654X1  
 PHG6B601004X1  
 PHG6B601254X1

PHE6B60 AND PHG6B60 SUPERHEAT CHARGING CHART			
INDOOR WET BULB (°F)	OUTDOOR AMBIENT DB (°F)		
	60	47	40
60	371 (15)	342 (14)	329 (15)
65	390 (16)	360 (14)	346 (15)
70	409 (16)	378 (14)	363 (15)
75	428 (17)	396 (14)	380 (15)
80	447 (17)	414 (14)	398 (14)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B60 and PHG6B60**

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA		
			60	47	40
60	1430	Suction Prs./Temp.	133 / 57	110 / 46	97 / 42
		Liquid Prs./Temp.	312 / 86	290 / 81	282 / 78
		ID Air DB Temp. Rise	33	28	24
		Total Amp./Comp Amp.	15 / 11	14.7 / 10.7	14.7 / 10.7
	1230	Suction Prs./Temp.	135 / 58	111 / 47	97 / 42
		Liquid Prs./Temp.	353 / 93	324 / 88	312 / 84
		ID Air DB Temp. Rise	40	34	30
		Total Amp./Comp Amp.	15.7 / 12.3	15.1 / 11.8	15 / 11.6
	1030	Suction Prs./Temp.	136 / 59	112 / 48	97 / 43
		Liquid Prs./Temp.	393 / 100	359 / 94	342 / 90
		ID Air DB Temp. Rise	48	41	35
		Total Amp./Comp Amp.	16.3 / 13.6	15.6 / 12.8	15.3 / 12.5
70	1430	Suction Prs./Temp.	135 / 59	111 / 48	99 / 42
		Liquid Prs./Temp.	357 / 94	333 / 90	323 / 87
		ID Air DB Temp. Rise	32	26	23
		Total Amp./Comp Amp.	16.4 / 12.4	16 / 12.1	15.9 / 11.9
	1230	Suction Prs./Temp.	136 / 59	112 / 48	99 / 43
		Liquid Prs./Temp.	400 / 100	369 / 96	355 / 93
		ID Air DB Temp. Rise	38	32	29
		Total Amp./Comp Amp.	17.2 / 13.8	16.6 / 13.2	16.3 / 12.9
	1030	Suction Prs./Temp.	137 / 60	114 / 49	99 / 44
		Liquid Prs./Temp.	442 / 107	405 / 103	386 / 98
		ID Air DB Temp. Rise	45	38	34
		Total Amp./Comp Amp.	18 / 15.2	17.1 / 14.3	16.7 / 13.9
80	1430	Suction Prs./Temp.	136 / 60	112 / 49	101 / 43
		Liquid Prs./Temp.	402 / 102	377 / 98	365 / 97
		ID Air DB Temp. Rise	30	25	22
		Total Amp./Comp Amp.	17.8 / 13.9	17.4 / 13.4	17.1 / 13.2
	1230	Suction Prs./Temp.	137 / 61	114 / 50	101 / 44
		Liquid Prs./Temp.	447 / 108	414 / 105	398 / 102
		ID Air DB Temp. Rise	36	30	27
		Total Amp./Comp Amp.	18.7 / 15.4	18 / 14.6	17.6 / 14.3
	1030	Suction Prs./Temp.	138 / 62	115 / 51	102 / 45
		Liquid Prs./Temp.	491 / 115	452 / 111	431 / 107
		ID Air DB Temp. Rise	43	36	32
		Total Amp./Comp Amp.	19.7 / 16.9	18.6 / 15.8	18.1 / 15.4

Extended heating low-speed service data for use with models:

**PHE6B6021**  
**PHE6B6031**  
**PHE6B6041**  
**PHG6B600652X1**  
**PHG6B601002X1**  
**PHG6B601252X1**  
**PHG6B600653X1**  
**PHG6B601003X1**  
**PHG6B601253X1**  
**PHG6B600654X1**  
**PHG6B601004X1**  
**PHG6B601254X1**

**PHE6B60 and PHG6B60**

SIZE (TON)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY AND KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
5	1530	60	MBH	20.2	25.7	31.2	36.7	45.3	55.1	64.1	72.5
			KW	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.2
		70	MBH	20.0	25.2	30.4	35.6	43.8	52.3	61.6	69.9
			KW	3.4	3.6	3.8	3.9	4.1	4.3	4.5	4.7
		80	MBH	20.3	25.2	30.1	35.0	42.3	49.5	59.0	67.2
			KW	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.1
	1730	60	MBH	19.9	24.9	29.9	34.9	44.9	54.7	64.4	74.2
			KW	3.2	3.3	3.4	3.6	3.7	3.9	4.0	4.2
		70	MBH	19.4	24.6	29.8	35.0	43.7	52.7	61.7	70.7
			KW	3.5	3.6	3.8	4.0	4.1	4.3	4.4	4.6
		80	MBH	20.8	25.0	29.2	33.4	42.5	50.7	59.0	67.2
			KW	3.8	4.0	4.1	4.3	4.5	4.7	4.8	5.0
	1930	60	MBH	19.1	24.6	30.1	35.6	44.5	54.6	64.2	73.6
			KW	3.3	3.4	3.6	3.6	3.7	3.9	4.0	4.2
		70	MBH	20.4	25.2	30.0	34.8	42.8	52.2	62.2	73.6
			KW	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5
		80	MBH	20.2	24.8	29.4	34.0	41.1	49.7	60.2	73.6
			KW	3.8	4.0	4.2	4.3	4.5	4.7	4.8	4.9

Standard heating high-speed service data for use with models:

PHE6B6021  
 PHE6B6031  
 PHE6B6041  
 PHG6B600652X1  
 PHG6B601002X1  
 PHG6B601252X1  
 PHG6B600653X1  
 PHG6B601003X1  
 PHG6B601253X1  
 PHG6B600654X1  
 PHG6B601004X1  
 PHG6B601254X1

PHE6B60 AND PHG6B60 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB				
	60	47	40	30	17
	PRESSURE (PSIG) AND SUPERHEAT (°F) AT DISCHARGE PORT				
60	367 (14)	354 (12)	324 (16)	294 (18)	273 (16)
65	370 (14)	356 (13)	334 (16)	312 (18)	290 (17)
70	374 (14)	358 (13)	344 (16)	329 (18)	307 (17)
75	378 (15)	361 (13)	354 (17)	347 (17)	324 (17)
80	383 (15)	370 (14)	368 (17)	365 (17)	342 (17)

**Notes:**

- The charging chart is for use only in high stage (full capacity) mode.
- The charging chart is for use only in heating mode.

**PHE6B60 and PHG6B60**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	HEATING SERVICE DATA					
			60	47	40	30	17	10
60	1930	Suction Prs./Temp.	128 / 53	103 / 43	89 / 37	71 / 25	52 / 12	48 / 13
		Liquid Prs./Temp.	306 / 86	287 / 80	280 / 76	263 / 71	248 / 68	240 / 68
		ID Air DB Temp. Rise	33	27	24	24	15	13
		Total Amp./Comp Amp.	20.2 / 14.4	19.5 / 13.6	19.2 / 13.4	18.6 / 12.7	18 / 12.2	17.9 / 12
	1730	Suction Prs./Temp.	129 / 53	103 / 44	90 / 37	71 / 28	51 / 17	48 / 13
		Liquid Prs./Temp.	327 / 91	305 / 83	295 / 79	277 / 73	256 / 70	249 / 70
		ID Air DB Temp. Rise	38	31	28	28	17	15
		Total Amp./Comp Amp.	20.2 / 15.1	19.4 / 14.3	19 / 13.9	18.3 / 13.2	17.6 / 12.4	17.4 / 12.3
	1530	Suction Prs./Temp.	129 / 54	104 / 44	90 / 37	72 / 31	51 / 21	48 / 13
		Liquid Prs./Temp.	347 / 95	324 / 87	310 / 83	290 / 76	264 / 72	258 / 72
		ID Air DB Temp. Rise	42	35	31	31	19	18
		Total Amp./Comp Amp.	20.1 / 15.8	19.3 / 14.9	18.8 / 14.4	18 / 13.6	17.1 / 12.7	17 / 12.5
70	1930	Suction Prs./Temp.	129 / 54	104 / 45	90 / 37	73 / 27	53 / 18	49 / 15
		Liquid Prs./Temp.	350 / 95	330 / 89	324 / 85	306 / 81	288 / 77	280 / 77
		ID Air DB Temp. Rise	32	26	23	23	14	12
		Total Amp./Comp Amp.	21.8 / 16	21.1 / 15.2	20.8 / 14.9	20.1 / 14.2	19.4 / 13.5	19.2 / 13.3
	1730	Suction Prs./Temp.	130 / 55	104 / 45	90 / 38	73 / 28	53 / 20	48 / 15
		Liquid Prs./Temp.	373 / 99	350 / 92	341 / 88	321 / 83	299 / 79	291 / 79
		ID Air DB Temp. Rise	36	30	26	26	16	14
		Total Amp./Comp Amp.	21.9 / 16.8	21 / 15.9	20.7 / 15.5	19.8 / 14.7	19 / 13.9	18.8 / 13.6
	1530	Suction Prs./Temp.	131 / 55	105 / 45	90 / 38	74 / 30	53 / 22	48 / 15
		Liquid Prs./Temp.	395 / 103	370 / 95	358 / 91	336 / 85	311 / 81	302 / 81
		ID Air DB Temp. Rise	40	34	30	30	18	17
		Total Amp./Comp Amp.	22 / 17.6	21 / 16.7	20.5 / 16.2	19.6 / 15.3	18.7 / 14.3	18.4 / 14
80	1930	Suction Prs./Temp.	131 / 55	104 / 46	91 / 38	75 / 29	54 / 24	49 / 16
		Liquid Prs./Temp.	394 / 104	374 / 97	368 / 94	348 / 90	327 / 86	320 / 86
		ID Air DB Temp. Rise	30	25	22	22	13	11
		Total Amp./Comp Amp.	23.4 / 17.6	22.6 / 16.8	22.3 / 16.5	21.5 / 15.7	20.7 / 14.9	20.5 / 14.5
	1730	Suction Prs./Temp.	132 / 56	105 / 46	91 / 39	75 / 29	54 / 24	49 / 16
		Liquid Prs./Temp.	418 / 108	395 / 100	387 / 96	365 / 93	342 / 88	332 / 88
		ID Air DB Temp. Rise	34	29	25	25	15	13
		Total Amp./Comp Amp.	23.6 / 18.5	22.7 / 17.6	22.3 / 17.2	21.4 / 16.3	20.5 / 15.4	20.1 / 15
	1530	Suction Prs./Temp.	132 / 56	105 / 46	90 / 39	76 / 29	55 / 23	49 / 16
		Liquid Prs./Temp.	443 / 112	416 / 103	406 / 99	383 / 95	357 / 90	345 / 90
		ID Air DB Temp. Rise	39	32	28	28	18	15
		Total Amp./Comp Amp.	23.8 / 19.5	22.7 / 18.4	22.3 / 17.9	21.2 / 16.9	20.3 / 15.9	19.8 / 15.4



Standard cooling low-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	182(30)	183(31)	185(31)	187(31)
60	198(31)	198(31)	201(30)	203(29)
65	213(32)	214(32)	217(30)	219(28)
70	231(33)	231(32)	234(30)	237(28)
75	248(33)	249(33)	251(31)	254(29)
80	268(34)	268(34)	270(32)	273(30)
85	287(36)	287(36)	289(33)	293(31)
90	308(38)	308(38)	311(35)	314(33)
95	330(40)	330(40)	332(38)	335(35)
100	354(42)	354(43)	356(40)	359(37)
105	378(45)	378(47)	379(43)	383(40)
110	404(48)	404(49)	405(46)	409(43)
115	430(51)	430(51)	431(50)	435(46)
120	458(54)	458(53)	459(53)	460(47)
125	485(57)	486(56)	487(57)	485(48)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	450	DISCHARGE PRESSURE (PSIG)	181	212	247	285	327	375	426	482
		DISCHARGE TEMPERATURE (°F)	93.3	106.5	117.8	130.8	145.2	161.1	177.8	194
		DISCHARGE SUPERHEAT (°F)	29.8	33.3	35	38.4	43.2	49.4	56.5	63.2
		SUCTION PRESSURE (PSIG)	125	126	129	132	135	139	141	143
		SUCTION TEMPERATURE (°F)	51	55	54	55	57	59	61	62
		SUCTION SUPERHEAT (°F)	8	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.9	5.3	5.9	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.8	3.2	3.6	4.0	4.6	5.3	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	30	29	28	27	26	25	24	23	
	650	DISCHARGE PRESSURE (PSIG)	183	214	249	287	329	376	428	484
		DISCHARGE TEMPERATURE (°F)	94.7	105.3	116.2	128.9	143	158.7	175.4	190.6
		DISCHARGE SUPERHEAT (°F)	30.7	31.5	32.9	36	40.7	46.7	53.8	59.5
		SUCTION PRESSURE (PSIG)	134	136	139	142	144	147	149	152
		SUCTION TEMPERATURE (°F)	57	59	58	59	60	62	64	65
		SUCTION SUPERHEAT (°F)	11	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.3	5.9	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.6	5.3	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	21	19	
	850	DISCHARGE PRESSURE (PSIG)	183	215	250	288	330	378	430	486
		DISCHARGE TEMPERATURE (°F)	97	104.6	115.4	127.8	142	157	172.8	187.8
		DISCHARGE SUPERHEAT (°F)	32.8	30.6	31.8	34.8	39.4	44.7	50.8	56.4
		SUCTION PRESSURE (PSIG)	139	142	145	147	149	154	158	161
		SUCTION TEMPERATURE (°F)	62	61	61	61	62	65	67	68
		SUCTION SUPERHEAT (°F)	14	11	10	9	10	11	12	12
OUTDOOR UNIT CURRENT (A)		4.1	4.4	4.7	5.2	5.8	6.5	7.3	8.3	
COMPRESSOR CURRENT (A)		2.8	3.1	3.4	3.9	4.5	5.2	6.0	7.0	
INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	18	17	16		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	450	DISCHARGE PRESSURE (PSIG)	179	210	245	284	326	374	426	482
		DISCHARGE TEMPERATURE (°F)	93.4	108	119.3	132.3	146.5	161.8	177.6	193.8
		DISCHARGE SUPERHEAT (°F)	30.7	35.4	37	40.2	44.7	50.2	56.3	63.1
		SUCTION PRESSURE (PSIG)	115	117	121	126	131	136	142	148
		SUCTION TEMPERATURE (°F)	45	51	51	52	55	58	61	63
		SUCTION SUPERHEAT (°F)	6	11	10	9	10	11	12	11
		OUTDOOR UNIT CURRENT (A)	4.2	4.5	4.9	5.4	6.0	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.9	3.2	3.6	4.1	4.7	5.3	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	38	37	36	34	33	31	29	26	
	650	DISCHARGE PRESSURE (PSIG)	182	213	248	287	330	378	430	485
		DISCHARGE TEMPERATURE (°F)	93.3	105.6	116.4	128.6	142.3	157.2	172.8	188.3
		DISCHARGE SUPERHEAT (°F)	30	32	33	36	40	45	51	57
		SUCTION PRESSURE (PSIG)	131	133	138	143	148	153	158	164
		SUCTION TEMPERATURE (°F)	54	57	58	59	61	64	67	69
		SUCTION SUPERHEAT (°F)	9	11	10	9	10	11	12	11
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.3	5.8	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	6.0	6.9
	INDOOR COIL DB TEMP DROP (°F)	31	29	28	27	26	24	22	20	
	850	DISCHARGE PRESSURE (PSIG)	184	215	251	289	332	380	432	487
		DISCHARGE TEMPERATURE (°F)	95.1	104.5	114.8	126.8	140.2	155	170.3	185.6
		DISCHARGE SUPERHEAT (°F)	30.7	30.4	31	33.4	37.2	42.2	48	54
		SUCTION PRESSURE (PSIG)	142	144	149	155	159	164	169	174
		SUCTION TEMPERATURE (°F)	62	62	62	64	66	68	71	73
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	11	12	11
OUTDOOR UNIT CURRENT (A)		4.1	4.4	4.7	5.2	5.8	6.5	7.3	8.2	
COMPRESSOR CURRENT (A)		2.8	3.1	3.4	3.9	4.5	5.2	6.0	6.9	
INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18	17		
80/62	450	DISCHARGE PRESSURE (PSIG)	181	212	247	285	327	375	426	483
		DISCHARGE TEMPERATURE (°F)	93.3	106.5	117.8	130.7	145.1	161.2	177.6	192.7
		DISCHARGE SUPERHEAT (°F)	29.8	33.3	35	38.4	43.1	49.5	56.3	61.8
		SUCTION PRESSURE (PSIG)	125	126	129	133	136	138	142	146
		SUCTION TEMPERATURE (°F)	51	55	54	55	57	59	61	63
		SUCTION SUPERHEAT (°F)	8	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.1	4.5	4.8	5.3	5.9	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	2.8	3.2	3.5	4.0	4.6	5.3	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	34	33	33	32	31	30	28	27	
	650	DISCHARGE PRESSURE (PSIG)	183	214	249	287	330	378	430	486
		DISCHARGE TEMPERATURE (°F)	94.6	105.2	116.2	128.6	142.3	159.4	172.8	187.5
		DISCHARGE SUPERHEAT (°F)	31	32	33	36	40	47	51	56
		SUCTION PRESSURE (PSIG)	135	136	139	143	148	153	158	162
		SUCTION TEMPERATURE (°F)	58	58	58	59	61	67	67	69
		SUCTION SUPERHEAT (°F)	11	11	10	9	10	13	12	12
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.3	5.8	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	4.0	4.5	5.2	6.0	6.9
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	24	22	21	
	850	DISCHARGE PRESSURE (PSIG)	184	215	251	289	332	380	432	489
		DISCHARGE TEMPERATURE (°F)	96.8	104.4	114.8	126.8	140.2	154.9	170.4	184.9
		DISCHARGE SUPERHEAT (°F)	32.5	30.3	31	33.4	37.2	42.2	48	53.1
		SUCTION PRESSURE (PSIG)	141	144	149	155	159	164	169	172
		SUCTION TEMPERATURE (°F)	63	62	62	64	66	68	71	72
		SUCTION SUPERHEAT (°F)	14	11	10	9	10	11	12	12
OUTDOOR UNIT CURRENT (A)		4.1	4.4	4.7	5.2	5.8	6.5	7.3	8.2	
COMPRESSOR CURRENT (A)		2.8	3.1	3.4	3.9	4.5	5.2	6.0	6.9	
INDOOR COIL DB TEMP DROP (°F)	25	24	23	22	21	20	18	17		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	450	DISCHARGE PRESSURE (PSIG)	183	215	249	288	330	378	429	486
		DISCHARGE TEMPERATURE (°F)	93.3	105	115.8	128.3	142.2	157.6	173.8	190.9
		DISCHARGE SUPERHEAT (°F)	29.1	31.1	32.4	35.3	39.6	45.3	51.9	59.6
		SUCTION PRESSURE (PSIG)	136	139	142	145	148	152	154	156
		SUCTION TEMPERATURE (°F)	57	60	59	60	62	64	66	68
		SUCTION SUPERHEAT (°F)	10	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.1	4.4	4.8	5.2	5.8	6.5	7.4	8.3
		COMPRESSOR CURRENT (A)	2.8	3.1	3.5	3.9	4.5	5.2	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	26	25	24	23	
	650	DISCHARGE PRESSURE (PSIG)	185	217	251	289	332	379	431	487
		DISCHARGE TEMPERATURE (°F)	95.4	104	114.5	126.7	140.5	155.7	171.8	188.9
		DISCHARGE SUPERHEAT (°F)	31	30	31	33	38	43	50	57
		SUCTION PRESSURE (PSIG)	145	149	153	155	158	160	162	163
		SUCTION TEMPERATURE (°F)	63	64	64	64	65	67	69	70
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.1	4.3	4.7	5.2	5.8	6.5	7.3	8.3
		COMPRESSOR CURRENT (A)	2.8	3.0	3.4	3.9	4.5	5.2	6.0	7.0
	INDOOR COIL DB TEMP DROP (°F)	23	24	23	23	22	22	21	20	
	850	DISCHARGE PRESSURE (PSIG)	185	218	252	290	333	380	432	489
		DISCHARGE TEMPERATURE (°F)	98.1	103.5	113.8	125.9	139.6	154.8	170.3	186.7
		DISCHARGE SUPERHEAT (°F)	33.2	28.8	29.6	32.2	36.5	42	47.9	54.8
		SUCTION PRESSURE (PSIG)	150	155	159	161	163	165	169	172
		SUCTION TEMPERATURE (°F)	68	66	66	66	67	69	71	73
		SUCTION SUPERHEAT (°F)	16	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.0	4.3	4.7	5.1	5.7	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	2.7	3.0	3.4	3.8	4.4	5.2	6.0	6.9
	INDOOR COIL DB TEMP DROP (°F)	20	20	20	20	20	19	18	16	
	80/72	450	DISCHARGE PRESSURE (PSIG)	186	217	252	290	333	381	433
DISCHARGE TEMPERATURE (°F)			93.9	103.9	114.2	126.3	139.8	154.9	170.5	180.3
DISCHARGE SUPERHEAT (°F)			29	29	30	33	37	42	48	49
SUCTION PRESSURE (PSIG)			147	151	156	159	162	165	168	162
SUCTION TEMPERATURE (°F)			63	65	65	65	67	69	71	67
SUCTION SUPERHEAT (°F)			11	11	10	9	10	11	12	10
OUTDOOR UNIT CURRENT (A)			4.1	4.3	4.7	5.1	5.7	6.5	7.3	8.2
COMPRESSOR CURRENT (A)			2.8	3.0	3.4	3.8	4.4	5.2	6.0	6.9
INDOOR COIL DB TEMP DROP (°F)		24	24	23	22	21	20	19	18	
650		DISCHARGE PRESSURE (PSIG)	187	219	254	293	335	383	435	485
		DISCHARGE TEMPERATURE (°F)	96.4	103.2	113.2	125	138.4	153.3	168.9	178.9
		DISCHARGE SUPERHEAT (°F)	31	28	29	31	35	40	46	48
		SUCTION PRESSURE (PSIG)	156	162	167	170	172	175	177	169
		SUCTION TEMPERATURE (°F)	69	68	69	69	70	72	74	69
		SUCTION SUPERHEAT (°F)	14	11	10	9	10	11	12	10
		OUTDOOR UNIT CURRENT (A)	4.0	4.2	4.6	5.1	5.7	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	2.7	2.9	3.3	3.8	4.4	5.1	5.9	6.9
INDOOR COIL DB TEMP DROP (°F)		18	19	18	18	17	17	16	15	
850		DISCHARGE PRESSURE (PSIG)	187	221	255	294	336	384	435	486
		DISCHARGE TEMPERATURE (°F)	99.5	102.8	112.7	124.4	137.7	152.5	167.9	178.3
		DISCHARGE SUPERHEAT (°F)	34	27.2	27.7	29.9	33.8	39.1	45.1	46.9
		SUCTION PRESSURE (PSIG)	159	169	173	176	178	180	181	172
		SUCTION TEMPERATURE (°F)	73	71	71	71	72	74	75	70
		SUCTION SUPERHEAT (°F)	18	11	10	9	10	11	12	10
		OUTDOOR UNIT CURRENT (A)	4.0	4.2	4.5	5.0	5.6	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	2.7	2.9	3.2	3.7	4.3	5.1	5.9	6.9
INDOOR COIL DB TEMP DROP (°F)		15	16	16	15	15	14	14	13	

Extended cooling low-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	450	DISCHARGE PRESSURE (PSIG)	212	247	285	327	375	426	482
		DISCHARGE TEMPERATURE (°F)	106.6	117.9	130.9	145.3	161.2	178	195.6
		DISCHARGE SUPERHEAT (°F)	33.4	35	38.5	43.3	49.4	56.7	64.9
		SUCTION PRESSURE (PSIG)	126	129	132	135	138	141	140
		SUCTION TEMPERATURE (°F)	54	54	55	56	59	61	60
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.5	4.9	5.3	5.9	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	3.2	3.6	4.0	4.6	5.3	6.1	7.0
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	21	20	19	19
	650	DISCHARGE PRESSURE (PSIG)	214	215	287	329	377	428	484
		DISCHARGE TEMPERATURE (°F)	107.1	104.8	128.9	143.2	159	175.4	191.6
		DISCHARGE SUPERHEAT (°F)	33.5	30.7	36.1	40.7	46.9	53.8	60.6
		SUCTION PRESSURE (PSIG)	136	139	142	144	146	149	149
		SUCTION TEMPERATURE (°F)	60	58	59	60	62	64	64
		SUCTION SUPERHEAT (°F)	13	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.4	4.8	5.3	5.9	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	3.1	3.5	4.0	4.6	5.3	6.1	7.0
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	17	17	16	15
	850	DISCHARGE PRESSURE (PSIG)	215	247	288	330	377	429	484
		DISCHARGE TEMPERATURE (°F)	104.8	117.9	128	142.1	157.6	174.3	190.5
		DISCHARGE SUPERHEAT (°F)	30.7	35	34.9	39.5	45.4	52.5	59.4
		SUCTION PRESSURE (PSIG)	141	145	147	149	151	152	153
		SUCTION TEMPERATURE (°F)	61	61	61	62	64	65	65
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	12
OUTDOOR UNIT CURRENT (A)		4.4	4.7	5.2	5.8	6.5	7.4	8.3	
COMPRESSOR CURRENT (A)		3.1	3.4	3.9	4.5	5.2	6.1	7.0	
INDOOR COIL DB TEMP DROP (°F)		16	16	16	15	14	14	14	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	450	DISCHARGE PRESSURE (PSIG)	215	250	288	330	378	430	486
		DISCHARGE TEMPERATURE (°F)	105.2	115.9	128.4	142.4	157.9	174.2	191.7
		DISCHARGE SUPERHEAT (°F)	31.3	32.4	35.4	39.8	45.6	52.2	60.4
		SUCTION PRESSURE (PSIG)	138	142	145	148	151	154	155
		SUCTION TEMPERATURE (°F)	59	59	60	61	64	66	67
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.4	4.8	5.3	5.8	6.6	7.4	8.3
		COMPRESSOR CURRENT (A)	3.1	3.5	4.0	4.5	5.3	6.1	7.0
	INDOOR COIL DB TEMP DROP (°F)	19	18	17	16	15	14	13	
	650	DISCHARGE PRESSURE (PSIG)	217	251	290	332	380	432	487
		DISCHARGE TEMPERATURE (°F)	104.3	114.7	126.9	140.8	156.1	172.3	189.7
		DISCHARGE SUPERHEAT (°F)	30	31	33	38	44	50	58
		SUCTION PRESSURE (PSIG)	147	151	155	157	159	161	161
		SUCTION TEMPERATURE (°F)	63	63	64	65	67	68	69
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.2	5.8	6.5	7.3	8.3
		COMPRESSOR CURRENT (A)	3.0	3.4	3.9	4.5	5.2	6.0	7.0
	INDOOR COIL DB TEMP DROP (°F)	14	14	13	13	12	11	10	
	850	DISCHARGE PRESSURE (PSIG)	218	253	291	333	381	433	488
		DISCHARGE TEMPERATURE (°F)	103.9	114.2	126.2	140	155.3	171.3	188.8
		DISCHARGE SUPERHEAT (°F)	29.1	29.9	32.4	36.7	42.3	48.9	57.1
		SUCTION PRESSURE (PSIG)	153	157	160	162	164	165	164
		SUCTION TEMPERATURE (°F)	65	65	66	67	68	70	71
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.1	5.7	6.5	7.3	8.3
		COMPRESSOR CURRENT (A)	3.0	3.4	3.8	4.4	5.2	6.0	7.0
	INDOOR COIL DB TEMP DROP (°F)	12	11	11	10	10	9	8	
	90/62	450	DISCHARGE PRESSURE (PSIG)	213	248	287	329	378	430
DISCHARGE TEMPERATURE (°F)			106	116.8	129.2	142.8	157.5	172.7	187
DISCHARGE SUPERHEAT (°F)			32.7	33.7	36.4	40.3	45.2	50.7	55.5
SUCTION PRESSURE (PSIG)			130	135	140	146	152	158	164
SUCTION TEMPERATURE (°F)			56	57	58	61	64	67	69
SUCTION SUPERHEAT (°F)			11	10	9	10	11	12	12
OUTDOOR UNIT CURRENT (A)			4.4	4.8	5.3	5.9	6.5	7.3	8.2
COMPRESSOR CURRENT (A)			3.1	3.5	4.0	4.6	5.2	6.0	6.9
INDOOR COIL DB TEMP DROP (°F)		41	40	38	37	34	32	30	
650		DISCHARGE PRESSURE (PSIG)	216	252	290	333	382	434	491
		DISCHARGE TEMPERATURE (°F)	104	114.2	126	139.1	153.5	168.5	182.5
		DISCHARGE SUPERHEAT (°F)	30	30	32	36	41	46	50
		SUCTION PRESSURE (PSIG)	149	155	161	166	172	179	183
		SUCTION TEMPERATURE (°F)	63	64	66	68	71	74	76
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.1	5.7	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	3.0	3.4	3.8	4.4	5.1	5.9	6.9
INDOOR COIL DB TEMP DROP (°F)		33	32	30	29	27	25	23	
850		DISCHARGE PRESSURE (PSIG)	219	254	293	336	384	437	493
		DISCHARGE TEMPERATURE (°F)	103.1	112.9	124.4	137.3	151.6	166.4	180.2
		DISCHARGE SUPERHEAT (°F)	28	28.2	30.1	33.4	38	43.2	47.7
		SUCTION PRESSURE (PSIG)	162	168	175	180	186	192	196
		SUCTION TEMPERATURE (°F)	68	69	71	73	76	79	80
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	12
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.0	5.6	6.3	7.1	8.1
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	5.0	5.8	6.8
INDOOR COIL DB TEMP DROP (°F)		27	26	25	24	22	21	19	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	450	DISCHARGE PRESSURE (PSIG)	215	249	287	330	378	430	488
		DISCHARGE TEMPERATURE (°F)	105	115.6	128.2	142	157.5	172.7	188.4
		DISCHARGE SUPERHEAT (°F)	31.1	32.2	35.2	39.5	45.2	50.7	56.8
		SUCTION PRESSURE (PSIG)	139	142	146	149	152	159	165
		SUCTION TEMPERATURE (°F)	60	60	60	62	64	67	71
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.4	4.8	5.2	5.8	6.5	7.3	8.2
		COMPRESSOR CURRENT (A)	3.1	3.5	3.9	4.5	5.2	6.0	6.9
		INDOOR COIL DB TEMP DROP (°F)	38	38	37	36	34	32	30
	650	DISCHARGE PRESSURE (PSIG)	216	252	290	333	382	435	492
		DISCHARGE TEMPERATURE (°F)	104	114.2	125.9	139.1	153.5	168.4	184.1
		DISCHARGE SUPERHEAT (°F)	30	30	32	36	40	46	52
		SUCTION PRESSURE (PSIG)	149	155	161	166	173	179	183
		SUCTION TEMPERATURE (°F)	63	64	66	68	71	74	77
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.3	4.7	5.1	5.7	6.4	7.2	8.2
		COMPRESSOR CURRENT (A)	3.0	3.4	3.8	4.4	5.1	5.9	6.9
		INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	27	25	23
	850	DISCHARGE PRESSURE (PSIG)	219	254	293	336	384	437	494
		DISCHARGE TEMPERATURE (°F)	103.1	112.9	124.3	137.3	151.5	166.3	182
		DISCHARGE SUPERHEAT (°F)	28	28.2	30.1	33.4	37.9	43.1	49.3
		SUCTION PRESSURE (PSIG)	162	168	175	180	186	192	195
		SUCTION TEMPERATURE (°F)	68	69	71	73	76	79	81
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	13
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.0	5.6	6.3	7.1	8.1
		COMPRESSOR CURRENT (A)	2.9	3.3	3.7	4.3	5.0	5.8	6.8
		INDOOR COIL DB TEMP DROP (°F)	27	26	25	24	22	20	19
	90/72	450	DISCHARGE PRESSURE (PSIG)	217	252	290	333	381	432
DISCHARGE TEMPERATURE (°F)			103.8	114.1	126.2	139.8	154.6	170.3	178
DISCHARGE SUPERHEAT (°F)			29	30	33	37	42	48	47
SUCTION PRESSURE (PSIG)			152	156	159	163	166	169	169
SUCTION TEMPERATURE (°F)			65	65	65	67	69	71	69
SUCTION SUPERHEAT (°F)			11	10	9	10	11	12	10
OUTDOOR UNIT CURRENT (A)			4.3	4.7	5.1	5.7	6.4	7.3	8.1
COMPRESSOR CURRENT (A)			3.0	3.4	3.8	4.4	5.1	6.0	6.8
INDOOR COIL DB TEMP DROP (°F)			33	33	32	31	30	29	28
650		DISCHARGE PRESSURE (PSIG)	219	254	292	335	382	435	485
		DISCHARGE TEMPERATURE (°F)	103	113.1	124.8	138.2	153	168.4	176.2
		DISCHARGE SUPERHEAT (°F)	28	28	31	35	40	46	45
		SUCTION PRESSURE (PSIG)	164	167	170	172	176	179	179
		SUCTION TEMPERATURE (°F)	69	69	69	70	72	74	72
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	10
		OUTDOOR UNIT CURRENT (A)	4.2	4.6	5.1	5.7	6.4	7.2	8.1
		COMPRESSOR CURRENT (A)	2.9	3.3	3.8	4.4	5.1	5.9	6.8
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	26	25	24
850		DISCHARGE PRESSURE (PSIG)	220	255	293	336	384	437	487
		DISCHARGE TEMPERATURE (°F)	102.6	112.6	124.3	137.3	151.5	166.3	174.4
		DISCHARGE SUPERHEAT (°F)	27.1	27.6	30	33.4	37.9	43.1	42.8
		SUCTION PRESSURE (PSIG)	170	173	175	180	186	192	190
		SUCTION TEMPERATURE (°F)	71	71	71	73	76	79	76
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	12	10
		OUTDOOR UNIT CURRENT (A)	4.2	4.5	5.0	5.6	6.3	7.1	8.0
		COMPRESSOR CURRENT (A)	2.9	3.2	3.7	4.3	5.0	5.8	6.7
		INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	22	20	20

Standard cooling high-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	191(38)	192(40)	195(40)	197(42)
60	206(41)	208(41)	211(41)	214(41)
65	221(44)	223(43)	226(42)	230(40)
70	239(45)	240(44)	244(42)	247(41)
75	256(46)	258(45)	261(43)	265(41)
80	276(47)	277(46)	281(44)	285(42)
85	296(48)	297(47)	301(45)	304(43)
90	318(49)	319(48)	323(45)	327(43)
95	340(49)	341(49)	345(46)	349(44)
100	365(50)	366(50)	369(47)	374(44)
105	391(51)	391(51)	394(48)	398(45)
110	417(52)	417(52)	420(49)	425(47)
115	444(53)	444(53)	447(51)	452(48)
120	473(55)	473(55)	475(53)	480(50)
125	503(56)	502(56)	504(55)	508(52)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	600	DISCHARGE PRESSURE (PSIG)	191	221	256	295	339	388	440	498
		DISCHARGE TEMPERATURE (°F)	104.5	120.3	131.8	143.7	155.3	167.5	180.2	194.3
		DISCHARGE SUPERHEAT (°F)	38	44.6	46.7	49	50.8	53.2	56.4	61
		SUCTION PRESSURE (PSIG)	122	122	125	128	131	135	138	140
		SUCTION TEMPERATURE (°F)	53	57	57	57	58	59	60	61
		SUCTION SUPERHEAT (°F)	11	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.3	6.9	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	4.0	4.5	5.0	5.6	6.3	7.1	8.1	9.2
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	26	25	24	
	800	DISCHARGE PRESSURE (PSIG)	192	223	258	297	341	390	442	500
		DISCHARGE TEMPERATURE (°F)	106.6	119.5	130.8	142.5	153.8	165.7	178.7	192.3
		DISCHARGE SUPERHEAT (°F)	39.6	43.3	45.1	47.3	49	51.1	54.5	58.8
		SUCTION PRESSURE (PSIG)	129	130	133	136	138	142	144	146
		SUCTION TEMPERATURE (°F)	58	60	60	60	60	62	62	62
		SUCTION SUPERHEAT (°F)	14	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.4	7.0	7.6	8.5	9.4	10.5
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.7	6.4	7.2	8.1	9.2
	INDOOR COIL DB TEMP DROP (°F)	25	24	24	23	22	22	22	21	
	1000	DISCHARGE PRESSURE (PSIG)	193	224	259	298	342	391	444	502
		DISCHARGE TEMPERATURE (°F)	109.1	119.1	130.2	141.8	153	164.9	177.6	190.1
		DISCHARGE SUPERHEAT (°F)	41.7	42.5	44.2	46.3	47.9	50.1	53.2	56.3
		SUCTION PRESSURE (PSIG)	133	135	138	140	143	146	149	152
		SUCTION TEMPERATURE (°F)	62	62	62	62	62	63	64	65
		SUCTION SUPERHEAT (°F)	16	15	14	13	12	12	12	11
OUTDOOR UNIT CURRENT (A)		5.3	5.9	6.4	7.0	7.6	8.5	9.4	10.6	
COMPRESSOR CURRENT (A)		4.0	4.6	5.1	5.7	6.4	7.2	8.1	9.3	
INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	20	20	18		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	600	DISCHARGE PRESSURE (PSIG)	188	218	253	293	337	387	440	499
		DISCHARGE TEMPERATURE (°F)	104.1	121.4	133.2	145.2	156.6	168.2	180.6	193.4
		DISCHARGE SUPERHEAT (°F)	38.5	46.5	48.7	51.1	52.6	54.2	56.9	59.9
		SUCTION PRESSURE (PSIG)	112	113	117	121	125	132	136	142
		SUCTION TEMPERATURE (°F)	47	52	53	54	55	57	59	61
		SUCTION SUPERHEAT (°F)	10	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.2	5.8	6.3	6.9	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	3.9	4.5	5.0	5.6	6.3	7.1	8.1	9.2
	INDOOR COIL DB TEMP DROP (°F)	38	37	36	34	33	32	30	28	
	800	DISCHARGE PRESSURE (PSIG)	191	221	256	296	340	391	444	503
		DISCHARGE TEMPERATURE (°F)	104.9	119.9	131.2	142.9	154	165.3	177.5	190.1
		DISCHARGE SUPERHEAT (°F)	38	44	46	48	49	51	53	56
		SUCTION PRESSURE (PSIG)	125	125	129	133	137	145	150	154
		SUCTION TEMPERATURE (°F)	54	58	58	59	60	63	64	65
		SUCTION SUPERHEAT (°F)	12	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.4	7.0	7.6	8.5	9.4	10.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.7	6.4	7.2	8.1	9.3
	INDOOR COIL DB TEMP DROP (°F)	32	30	30	28	27	26	25	23	
	1000	DISCHARGE PRESSURE (PSIG)	193	224	259	298	343	393	447	504
		DISCHARGE TEMPERATURE (°F)	106.2	119.2	130.2	141.5	152.5	163.6	175.7	188.2
		DISCHARGE SUPERHEAT (°F)	38.8	42.7	44.2	46	47.2	48.3	50.8	53.9
		SUCTION PRESSURE (PSIG)	134	133	138	142	146	154	159	162
		SUCTION TEMPERATURE (°F)	60	61	62	63	63	66	68	68
		SUCTION SUPERHEAT (°F)	14	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	28	26	25	24	23	22	21	20	
	80/62	600	DISCHARGE PRESSURE (PSIG)	190	221	256	295	339	388	440
DISCHARGE TEMPERATURE (°F)			104.5	120.2	131.7	143.6	155.1	167.3	180.4	193.8
DISCHARGE SUPERHEAT (°F)			38	44.5	46.6	48.9	50.6	53	56.6	60.4
SUCTION PRESSURE (PSIG)			122	123	126	129	132	135	137	142
SUCTION TEMPERATURE (°F)			53	57	57	58	58	59	60	61
SUCTION SUPERHEAT (°F)			11	15	14	13	12	12	12	12
OUTDOOR UNIT CURRENT (A)			5.3	5.8	6.3	6.9	7.5	8.4	9.4	10.5
COMPRESSOR CURRENT (A)			4.0	4.5	5.0	5.6	6.3	7.1	8.1	9.2
INDOOR COIL DB TEMP DROP (°F)		34	33	32	32	31	31	30	28	
800		DISCHARGE PRESSURE (PSIG)	192	223	258	297	341	391	444	502
		DISCHARGE TEMPERATURE (°F)	106.6	119.4	130.6	142.4	153.8	165.3	177.5	190.1
		DISCHARGE SUPERHEAT (°F)	40	43	45	47	49	51	53	56
		SUCTION PRESSURE (PSIG)	130	130	133	136	138	145	150	154
		SUCTION TEMPERATURE (°F)	59	60	60	60	60	63	65	66
		SUCTION SUPERHEAT (°F)	14	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.4	7.0	7.6	8.5	9.4	10.6
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.7	6.4	7.2	8.1	9.3
INDOOR COIL DB TEMP DROP (°F)		30	28	28	28	27	26	25	23	
1000		DISCHARGE PRESSURE (PSIG)	193	224	259	298	343	393	447	505
		DISCHARGE TEMPERATURE (°F)	109	119	130.2	141.5	152.5	163.6	175.7	187.8
		DISCHARGE SUPERHEAT (°F)	41.6	42.5	44.2	46	47.2	48.3	50.7	53.5
		SUCTION PRESSURE (PSIG)	134	135	138	142	146	154	159	163
		SUCTION TEMPERATURE (°F)	63	62	62	63	63	66	68	68
		SUCTION SUPERHEAT (°F)	16	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.0	4.6	5.1	5.7	6.4	7.2	8.2	9.3
INDOOR COIL DB TEMP DROP (°F)		27	25	25	24	23	22	21	20	



ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	600	DISCHARGE PRESSURE (PSIG)	193	224	259	298	343	392	445	502
		DISCHARGE TEMPERATURE (°F)	105.1	119.2	130.3	141.7	152.9	164.7	177.4	191.1
		DISCHARGE SUPERHEAT (°F)	37.7	42.6	44.3	46.2	47.6	49.7	52.8	57.2
		SUCTION PRESSURE (PSIG)	133	134	138	141	144	148	151	153
		SUCTION TEMPERATURE (°F)	58	62	62	62	63	64	65	66
		SUCTION SUPERHEAT (°F)	13	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.3	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.0	4.6	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	26	25	23	
	800	DISCHARGE PRESSURE (PSIG)	195	226	261	301	345	394	447	504
		DISCHARGE TEMPERATURE (°F)	108.3	118.7	129.5	140.7	151.7	163.3	175.8	189
		DISCHARGE SUPERHEAT (°F)	40	42	43	45	46	48	51	55
		SUCTION PRESSURE (PSIG)	140	142	146	149	152	156	158	159
		SUCTION TEMPERATURE (°F)	64	65	65	65	65	67	68	68
		SUCTION SUPERHEAT (°F)	16	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.4	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	24	24	23	23	22	22	22	21	
	1000	DISCHARGE PRESSURE (PSIG)	196	228	263	302	346	395	448	505
		DISCHARGE TEMPERATURE (°F)	111.6	118.4	129	140.2	151.1	162.6	175.1	187.4
		DISCHARGE SUPERHEAT (°F)	43.5	40.8	42.2	43.9	45.1	47	50	53
		SUCTION PRESSURE (PSIG)	143	148	151	153	156	160	163	164
		SUCTION TEMPERATURE (°F)	69	67	67	67	67	69	69	69
		SUCTION SUPERHEAT (°F)	19	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.4	5.9	6.5	7.1	7.6	8.6	9.5	10.6
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	5.8	6.4	7.3	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	21	21	21	20	20	20	20	19	
	80/72	600	DISCHARGE PRESSURE (PSIG)	196	228	263	302	347	396	449
DISCHARGE TEMPERATURE (°F)			106.1	118.5	129.2	140.2	151	162.6	174.9	190.1
DISCHARGE SUPERHEAT (°F)			38	41	42	44	45	47	50	56
SUCTION PRESSURE (PSIG)			142	146	150	154	158	162	164	159
SUCTION TEMPERATURE (°F)			63	66	67	67	68	69	70	69
SUCTION SUPERHEAT (°F)			14	15	14	13	12	12	12	13
OUTDOOR UNIT CURRENT (A)			5.4	5.9	6.5	7.1	7.7	8.6	9.5	10.6
COMPRESSOR CURRENT (A)			4.1	4.6	5.2	5.8	6.5	7.3	8.2	9.3
INDOOR COIL DB TEMP DROP (°F)		24	23	23	22	21	21	20	17	
800		DISCHARGE PRESSURE (PSIG)	197	230	265	304	349	398	452	508
		DISCHARGE TEMPERATURE (°F)	110.3	118.2	128.6	139.5	150.1	161.6	173.9	186.8
		DISCHARGE SUPERHEAT (°F)	42	40	41	43	44	45	48	52
		SUCTION PRESSURE (PSIG)	148	155	158	162	165	170	172	172
		SUCTION TEMPERATURE (°F)	69	69	70	70	70	72	72	73
		SUCTION SUPERHEAT (°F)	18	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.5	7.1	7.7	8.6	9.6	10.6
		COMPRESSOR CURRENT (A)	4.1	4.7	5.2	5.8	6.5	7.3	8.3	9.3
INDOOR COIL DB TEMP DROP (°F)		19	19	19	18	18	17	17	16	
1000		DISCHARGE PRESSURE (PSIG)	197	231	266	306	350	400	453	510
		DISCHARGE TEMPERATURE (°F)	114.4	118.1	128.3	139	149.6	161	173.2	184.7
		DISCHARGE SUPERHEAT (°F)	45.8	39.5	40.5	41.8	42.8	44.6	47.3	49.6
		SUCTION PRESSURE (PSIG)	147	160	163	167	170	174	176	179
		SUCTION TEMPERATURE (°F)	73	71	72	72	72	73	74	74
		SUCTION SUPERHEAT (°F)	21	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.4	6.0	6.5	7.1	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	4.1	4.7	5.2	5.8	6.5	7.3	8.3	9.4
INDOOR COIL DB TEMP DROP (°F)		16	17	16	16	15	15	15	14	

Extended cooling high-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	600	DISCHARGE PRESSURE (PSIG)	221	256	295	339	388	441	499
		DISCHARGE TEMPERATURE (°F)	120.5	131.9	143.9	155.4	167.5	180.6	194.6
		DISCHARGE SUPERHEAT (°F)	44.8	46.8	49.2	50.9	53.2	56.7	61.2
		SUCTION PRESSURE (PSIG)	122	125	128	131	135	137	140
		SUCTION TEMPERATURE (°F)	57	57	57	57	59	60	60
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.3	6.9	7.5	8.4	9.4	10.5
		COMPRESSOR CURRENT (A)	4.5	5.0	5.6	6.3	7.1	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	23	23	22	21	21	20	19
	800	DISCHARGE PRESSURE (PSIG)	223	224	297	341	390	443	500
		DISCHARGE TEMPERATURE (°F)	119.7	119.4	142.6	154	166	179	192.4
		DISCHARGE SUPERHEAT (°F)	43.5	42.8	47.5	49.1	51.3	54.8	58.8
		SUCTION PRESSURE (PSIG)	129	132	135	138	142	144	145
		SUCTION TEMPERATURE (°F)	59	60	60	60	62	62	62
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.0	7.6	8.5	9.4	10.5
		COMPRESSOR CURRENT (A)	4.5	5.1	5.7	6.4	7.2	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	18	18	18	17	16
	1000	DISCHARGE PRESSURE (PSIG)	224	256	298	342	391	444	501
		DISCHARGE TEMPERATURE (°F)	119.4	131.9	142	153.2	165.1	177.9	191.1
		DISCHARGE SUPERHEAT (°F)	42.8	46.8	46.5	48	50.2	53.5	57.4
		SUCTION PRESSURE (PSIG)	134	137	140	142	146	148	149
		SUCTION TEMPERATURE (°F)	61	62	62	62	63	64	63
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.5	9.4	10.5
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.2	8.1	9.2
		INDOOR COIL DB TEMP DROP (°F)	17	16	16	15	16	15	15

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	600	DISCHARGE PRESSURE (PSIG)	224	259	298	343	392	445	502
		DISCHARGE TEMPERATURE (°F)	119.4	130.5	142	153.1	165	177.8	192
		DISCHARGE SUPERHEAT (°F)	42.8	44.5	46.4	47.8	50	53.2	58.1
		SUCTION PRESSURE (PSIG)	133	136	140	143	147	149	151
		SUCTION TEMPERATURE (°F)	61	61	62	62	64	64	65
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	16	15	14	
	800	DISCHARGE PRESSURE (PSIG)	226	261	300	345	394	447	504
		DISCHARGE TEMPERATURE (°F)	119	129.8	141.1	152	163.9	176.6	189.8
		DISCHARGE SUPERHEAT (°F)	42	43	45	46	48	52	56
		SUCTION PRESSURE (PSIG)	140	143	147	150	154	156	157
		SUCTION TEMPERATURE (°F)	64	64	65	65	66	67	67
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	15	15	14	13	13	12	11	
	1000	DISCHARGE PRESSURE (PSIG)	227	262	302	346	396	449	506
		DISCHARGE TEMPERATURE (°F)	118.8	129.5	140.7	151.5	163.3	175.9	188.3
		DISCHARGE SUPERHEAT (°F)	41.3	42.7	44.3	45.5	47.6	50.7	53.8
		SUCTION PRESSURE (PSIG)	144	148	151	154	158	160	162
		SUCTION TEMPERATURE (°F)	65	66	66	66	68	68	68
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
OUTDOOR UNIT CURRENT (A)		5.9	6.5	7.1	7.6	8.6	9.5	10.6	
COMPRESSOR CURRENT (A)		4.6	5.2	5.8	6.4	7.3	8.2	9.3	
INDOOR COIL DB TEMP DROP (°F)	13	12	12	11	11	10	10		
90/62	600	DISCHARGE PRESSURE (PSIG)	222	257	296	341	391	445	504
		DISCHARGE TEMPERATURE (°F)	119.8	131.1	142.5	153.6	164.8	176.8	189.4
		DISCHARGE SUPERHEAT (°F)	44	45.6	47.5	48.6	49.9	52.2	55.1
		SUCTION PRESSURE (PSIG)	126	130	135	139	147	153	159
		SUCTION TEMPERATURE (°F)	58	59	60	61	64	66	68
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.5	5.1	5.7	6.4	7.2	8.2	9.3
	INDOOR COIL DB TEMP DROP (°F)	41	40	38	37	36	34	31	
	800	DISCHARGE PRESSURE (PSIG)	225	261	300	345	396	450	508
		DISCHARGE TEMPERATURE (°F)	118.7	129.5	140.6	151.3	162.3	174	186
		DISCHARGE SUPERHEAT (°F)	42	43	45	46	47	49	51
		SUCTION PRESSURE (PSIG)	140	144	149	154	163	169	175
		SUCTION TEMPERATURE (°F)	64	65	66	66	69	71	73
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.6	9.5	10.7
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.3	8.2	9.4
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	30	30	28	26	
	1000	DISCHARGE PRESSURE (PSIG)	228	263	303	348	399	453	511
		DISCHARGE TEMPERATURE (°F)	118.2	128.7	139.5	150	160.8	172.5	184
		DISCHARGE SUPERHEAT (°F)	40.5	41.6	42.8	43.6	44.5	46.5	48.6
		SUCTION PRESSURE (PSIG)	150	155	160	164	174	180	185
		SUCTION TEMPERATURE (°F)	68	69	69	70	73	75	76
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
OUTDOOR UNIT CURRENT (A)		5.9	6.5	7.1	7.7	8.6	9.6	10.7	
COMPRESSOR CURRENT (A)		4.6	5.2	5.8	6.5	7.3	8.3	9.4	
INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22		

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	600	DISCHARGE PRESSURE (PSIG)	224	259	298	343	392	445	503
		DISCHARGE TEMPERATURE (°F)	119.1	130.1	141.5	152.5	164.5	176.8	189.7
		DISCHARGE SUPERHEAT (°F)	42.4	44.1	46	47.3	49.5	52.1	55.6
		SUCTION PRESSURE (PSIG)	135	139	142	145	149	153	159
		SUCTION TEMPERATURE (°F)	62	62	63	63	64	66	68
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.5	9.5	10.6
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.2	8.2	9.3
		INDOOR COIL DB TEMP DROP (°F)	37	37	36	35	35	34	31
	800	DISCHARGE PRESSURE (PSIG)	226	261	300	345	396	450	508
		DISCHARGE TEMPERATURE (°F)	118.5	129.3	140.6	151.3	162.2	174	186.1
		DISCHARGE SUPERHEAT (°F)	41	43	45	46	47	49	51
		SUCTION PRESSURE (PSIG)	143	146	149	154	163	169	175
		SUCTION TEMPERATURE (°F)	65	65	66	66	70	71	73
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	5.9	6.4	7.0	7.6	8.6	9.5	10.7
		COMPRESSOR CURRENT (A)	4.6	5.1	5.7	6.4	7.3	8.2	9.4
		INDOOR COIL DB TEMP DROP (°F)	33	32	32	30	29	28	26
	1000	DISCHARGE PRESSURE (PSIG)	228	263	303	348	399	453	512
		DISCHARGE TEMPERATURE (°F)	118.2	128.7	139.5	150	160.8	172.5	183.7
		DISCHARGE SUPERHEAT (°F)	40.5	41.6	42.8	43.6	44.4	46.5	48.3
		SUCTION PRESSURE (PSIG)	150	155	160	164	175	180	186
		SUCTION TEMPERATURE (°F)	68	69	70	70	73	75	77
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	11
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.1	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	4.6	5.2	5.8	6.5	7.3	8.3	9.4
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	22
	90/72	600	DISCHARGE PRESSURE (PSIG)	228	263	302	347	396	449
DISCHARGE TEMPERATURE (°F)			118.4	129	140	150.8	162.4	174.5	189.5
DISCHARGE SUPERHEAT (°F)			41	42	44	45	47	49	56
SUCTION PRESSURE (PSIG)			148	152	155	159	163	166	161
SUCTION TEMPERATURE (°F)			67	67	68	68	69	70	69
SUCTION SUPERHEAT (°F)			15	14	13	12	12	12	13
OUTDOOR UNIT CURRENT (A)			5.9	6.5	7.1	7.7	8.6	9.5	10.6
COMPRESSOR CURRENT (A)			4.6	5.2	5.8	6.5	7.3	8.2	9.3
INDOOR COIL DB TEMP DROP (°F)			33	32	31	30	30	30	25
800		DISCHARGE PRESSURE (PSIG)	230	265	304	349	398	451	507
		DISCHARGE TEMPERATURE (°F)	118	128.4	139.2	149.9	161.2	173.4	186.3
		DISCHARGE SUPERHEAT (°F)	40	41	42	43	45	48	52
		SUCTION PRESSURE (PSIG)	157	160	163	166	171	173	174
		SUCTION TEMPERATURE (°F)	70	71	71	71	72	73	73
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.5	7.1	7.7	8.6	9.5	10.6
		COMPRESSOR CURRENT (A)	4.7	5.2	5.8	6.5	7.3	8.2	9.3
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	27	27	27	25
1000		DISCHARGE PRESSURE (PSIG)	231	266	306	350	399	453	512
		DISCHARGE TEMPERATURE (°F)	117.8	128	138.7	149.3	160.8	172.4	183.5
		DISCHARGE SUPERHEAT (°F)	39.2	40.2	41.6	42.6	44.4	46.4	48
		SUCTION PRESSURE (PSIG)	162	165	168	171	175	181	187
		SUCTION TEMPERATURE (°F)	72	72	72	72	74	75	77
		SUCTION SUPERHEAT (°F)	15	14	13	12	12	12	12
		OUTDOOR UNIT CURRENT (A)	6.0	6.5	7.1	7.7	8.6	9.6	10.7
		COMPRESSOR CURRENT (A)	4.7	5.2	5.8	6.5	7.3	8.3	9.4
		INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	25	24	22

Standard heating low-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

PHE6A24/PHG6A24 SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB	INDOOR DRY BULB			
	60	65	70	75
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
60	291 (34)	311 (37)	332 (40)	352 (42)
47	273 (41)	293 (44)	313 (46)	334 (50)
40	264 (46)	283 (49)	303 (52)	324 (56)

**PHE6A24/PHG6A24**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
60	450	DISCHARGE PRESSURE (PSIG)	341	315	301
		DISCHARGE TEMPERATURE (°F)	145	147	150
		DISCHARGE SUPERHEAT(°F)	40	48	54
		SUCTION PRESSURE (PSIG)	143	115	102
		SUCTION TEMPERATURE(°F)	55	43	36
		SUCTION SUPERHEAT (°F)	5	4	4
		OUTDOOR UNIT CURRENT (A)	6.1	6	5.9
		COMPRESSOR CURRENT (A)	4.8	4.6	4.6
		INDOOR COIL TEMP RISE (°F)	43	37	34
	650	DISCHARGE PRESSURE (PSIG)	291	273	264
		DISCHARGE TEMPERATURE (°F)	128	131	133
		DISCHARGE SUPERHEAT(°F)	34	41	46
		SUCTION PRESSURE (PSIG)	141	115	102
		SUCTION TEMPERATURE(°F)	54	42	36
		SUCTION SUPERHEAT (°F)	5	4	4
		OUTDOOR UNIT CURRENT (A)	5.4	5.4	5.4
		COMPRESSOR CURRENT (A)	4	4	4
		INDOOR COIL TEMP RISE (°F)	31	27	24
	850	DISCHARGE PRESSURE (PSIG)	264	253	246
		DISCHARGE TEMPERATURE (°F)	119	122	125
		DISCHARGE SUPERHEAT(°F)	32	38	42
		SUCTION PRESSURE (PSIG)	140	115	102
		SUCTION TEMPERATURE(°F)	55	42	36
		SUCTION SUPERHEAT (°F)	6	4	3
		OUTDOOR UNIT CURRENT (A)	5	5.1	5.1
		COMPRESSOR CURRENT (A)	3.7	3.8	3.8
		INDOOR COIL TEMP RISE (°F)	24	21	19

## PHE6A24/PHG6A24

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
70	450	DISCHARGE PRESSURE (PSIG)	383	356	342
		DISCHARGE TEMPERATURE (°F)	158	163	167
		DISCHARGE SUPERHEAT(°F)	45	55	62
		SUCTION PRESSURE (PSIG)	144	116	103
		SUCTION TEMPERATURE(°F)	55	43	36
		SUCTION SUPERHEAT (°F)	5	4	4
		OUTDOOR UNIT CURRENT (A)	6.7	6.6	6.5
		COMPRESSOR CURRENT (A)	5.4	5.3	5.2
		INDOOR COIL TEMP RISE (°F)	42	36	33
	650	DISCHARGE PRESSURE (PSIG)	332	313	303
		DISCHARGE TEMPERATURE (°F)	143	145	149
		DISCHARGE SUPERHEAT(°F)	40	46	52
		SUCTION PRESSURE (PSIG)	140	116	103
		SUCTION TEMPERATURE(°F)	55	43	36
		SUCTION SUPERHEAT (°F)	6	4	4
		OUTDOOR UNIT CURRENT (A)	6	6	5.9
		COMPRESSOR CURRENT (A)	4.6	4.6	4.6
		INDOOR COIL TEMP RISE (°F)	30	26	24
	850	DISCHARGE PRESSURE (PSIG)	303	291	285
		DISCHARGE TEMPERATURE (°F)	132	136	140
		DISCHARGE SUPERHEAT(°F)	36	42	47
		SUCTION PRESSURE (PSIG)	141	115	103
		SUCTION TEMPERATURE(°F)	55	43	36
		SUCTION SUPERHEAT (°F)	6	4	4
OUTDOOR UNIT CURRENT (A)		5.5	5.6	5.7	
COMPRESSOR CURRENT (A)		4.2	4.3	4.3	
INDOOR COIL TEMP RISE (°F)		24	20	18	
80	450	DISCHARGE PRESSURE (PSIG)	428	401	386
		DISCHARGE TEMPERATURE (°F)	173	180	186
		DISCHARGE SUPERHEAT(°F)	51	63	72
		SUCTION PRESSURE (PSIG)	145	117	103
		SUCTION TEMPERATURE(°F)	56	43	37
		SUCTION SUPERHEAT (°F)	5	4	4
		OUTDOOR UNIT CURRENT (A)	7.5	7.3	7.2
		COMPRESSOR CURRENT (A)	6.1	5.9	5.8
		INDOOR COIL TEMP RISE (°F)	41	35	32
	650	DISCHARGE PRESSURE (PSIG)	373	355	345
		DISCHARGE TEMPERATURE (°F)	155	161	166
		DISCHARGE SUPERHEAT(°F)	44	53	60
		SUCTION PRESSURE (PSIG)	143	116	103
		SUCTION TEMPERATURE(°F)	55	43	37
		SUCTION SUPERHEAT (°F)	5	4	4
		OUTDOOR UNIT CURRENT (A)	6.6	6.6	6.6
		COMPRESSOR CURRENT (A)	5.3	5.2	5.2
		INDOOR COIL TEMP RISE (°F)	29	25	23
	850	DISCHARGE PRESSURE (PSIG)	344	333	326
		DISCHARGE TEMPERATURE (°F)	146	152	156
		DISCHARGE SUPERHEAT(°F)	40	48	55
		SUCTION PRESSURE (PSIG)	142	116	103
		SUCTION TEMPERATURE(°F)	55	43	36
		SUCTION SUPERHEAT (°F)	6	4	4
OUTDOOR UNIT CURRENT (A)		6.2	6.3	6.3	
COMPRESSOR CURRENT (A)		4.8	4.9	4.9	
INDOOR COIL TEMP RISE (°F)		23	20	18	

Standard heating high-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

PHE6A24/PHG6A24 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	309 (37)	329 (39)	349 (41)	371 (43)	394 (45)
47	290 (43)	309 (45)	329 (47)	351 (49)	373 (52)
40	280 (46)	300 (49)	320 (51)	341 (54)	363 (57)
30	267 (52)	287 (55)	306 (58)	328 (62)	349 (65)
17	251 (68)	271 (72)	290 (76)	312 (82)	333 (87)

**PHE6A24/PHG6A24 with nominal coil**

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
			60	600	DISCHARGE PRESSURE (PSIG)	350	321	313
		DISCHARGE TEMPERATURE (°F)	147	146	149	149	163	172
		DISCHARGE SUPERHEAT(°F)	40	45	50	56	75	87
		SUCTION PRESSURE (PSIG)	136	110	97	82	58	48
		SUCTION TEMPERATURE(°F)	54	41	35	25	13	7
		SUCTION SUPERHEAT (°F)	7	5	5	4	6	8
		OUTDOOR UNIT CURRENT (A)	7.9	7.4	7.3	7.0	6.7	6.5
		COMPRESSOR CURRENT (A)	6.5	6.1	5.9	5.6	5.3	5.1
		INDOOR COIL TEMP RISE (°F)	44	38	36	31	25	21
	800	DISCHARGE PRESSURE (PSIG)	309	290	280	267	251	243
		DISCHARGE TEMPERATURE (°F)	135	136	138	140	152	161
		DISCHARGE SUPERHEAT(°F)	37	43	46	52	68	80
		SUCTION PRESSURE (PSIG)	135	109	97	82	60	51
		SUCTION TEMPERATURE(°F)	54	41	35	25	13	7
		SUCTION SUPERHEAT (°F)	7	6	5	4	5	5
		OUTDOOR UNIT CURRENT (A)	7.2	6.9	6.8	6.6	6.4	6.3
		COMPRESSOR CURRENT (A)	5.9	5.6	5.4	5.2	5.0	4.9
		INDOOR COIL TEMP RISE (°F)	34	29	27	24	19	17
	1000	DISCHARGE PRESSURE (PSIG)	285	269	262	255	241	235
		DISCHARGE TEMPERATURE (°F)	129	130	131	136	146	156
		DISCHARGE SUPERHEAT(°F)	36	41	44	51	65	76
		SUCTION PRESSURE (PSIG)	134	108	96	80	62	52
		SUCTION TEMPERATURE(°F)	54	41	34	25	13	7
		SUCTION SUPERHEAT (°F)	7	6	5	4	4	4
		OUTDOOR UNIT CURRENT (A)	6.8	6.6	6.5	6.4	6.2	6.1
		COMPRESSOR CURRENT (A)	5.5	5.3	5.2	5.1	4.8	4.7
		INDOOR COIL TEMP RISE (°F)	28	24	22	19	15	14

## PHE6A24/PHG6A24 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
70	600	DISCHARGE PRESSURE (PSIG)	391	362	355	334	309	296
		DISCHARGE TEMPERATURE (°F)	159	159	164	169	182	193
		DISCHARGE SUPERHEAT(°F)	44	50	56	65	84	98
		SUCTION PRESSURE (PSIG)	136	110	97	81	59	48
		SUCTION TEMPERATURE(°F)	54	42	35	26	14	7
		SUCTION SUPERHEAT (°F)	7	5	5	4	6	8
		OUTDOOR UNIT CURRENT (A)	8.6	8.1	8.0	7.7	7.3	7.1
		COMPRESSOR CURRENT (A)	7.2	6.7	6.6	6.3	6.0	5.7
		INDOOR COIL TEMP RISE (°F)	43	37	35	30	24	21
	800	DISCHARGE PRESSURE (PSIG)	349	329	320	306	290	282
		DISCHARGE TEMPERATURE (°F)	147	149	151	155	170	181
		DISCHARGE SUPERHEAT(°F)	41	47	51	58	76	90
		SUCTION PRESSURE (PSIG)	135	110	98	82	61	51
		SUCTION TEMPERATURE(°F)	54	41	35	26	13	7
		SUCTION SUPERHEAT (°F)	7	6	5	4	5	5
		OUTDOOR UNIT CURRENT (A)	7.8	7.5	7.4	7.2	7.0	6.9
		COMPRESSOR CURRENT (A)	6.5	6.2	6.1	5.9	5.6	5.5
		INDOOR COIL TEMP RISE (°F)	33	29	26	23	19	16
	1000	DISCHARGE PRESSURE (PSIG)	324	308	301	292	280	274
		DISCHARGE TEMPERATURE (°F)	140	143	144	150	165	175
		DISCHARGE SUPERHEAT(°F)	39	45	48	56	73	85
		SUCTION PRESSURE (PSIG)	135	109	97	81	62	53
		SUCTION TEMPERATURE(°F)	54	41	35	25	13	7
		SUCTION SUPERHEAT (°F)	7	6	5	4	4	4
		OUTDOOR UNIT CURRENT (A)	7.4	7.2	7.1	7.0	6.8	6.8
		COMPRESSOR CURRENT (A)	6.1	5.9	5.8	5.6	5.5	5.4
		INDOOR COIL TEMP RISE (°F)	27	23	21	19	15	13
80	600	DISCHARGE PRESSURE (PSIG)	436	407	400	381	352	337
		DISCHARGE TEMPERATURE (°F)	172	174	180	188	203	217
		DISCHARGE SUPERHEAT(°F)	49	56	63	75	96	113
		SUCTION PRESSURE (PSIG)	137	111	98	83	59	49
		SUCTION TEMPERATURE(°F)	54	42	35	28	14	8
		SUCTION SUPERHEAT (°F)	7	5	5	6	6	8
		OUTDOOR UNIT CURRENT (A)	9.3	8.9	8.8	8.5	8.1	7.8
		COMPRESSOR CURRENT (A)	8.0	7.5	7.4	7.1	6.7	6.5
		INDOOR COIL TEMP RISE (°F)	41	36	34	30	24	21
	800	DISCHARGE PRESSURE (PSIG)	394	373	363	349	333	324
		DISCHARGE TEMPERATURE (°F)	160	164	167	172	190	204
		DISCHARGE SUPERHEAT(°F)	45	52	57	65	87	102
		SUCTION PRESSURE (PSIG)	135	110	98	83	61	51
		SUCTION TEMPERATURE(°F)	54	42	35	26	14	7
		SUCTION SUPERHEAT (°F)	7	6	5	4	5	5
		OUTDOOR UNIT CURRENT (A)	8.6	8.3	8.1	8.0	7.7	7.6
		COMPRESSOR CURRENT (A)	7.3	6.9	6.8	6.6	6.4	6.2
		INDOOR COIL TEMP RISE (°F)	32	28	26	23	18	16
	1000	DISCHARGE PRESSURE (PSIG)	368	352	344	335	322	316
		DISCHARGE TEMPERATURE (°F)	154	158	159	166	183	197
		DISCHARGE SUPERHEAT(°F)	44	51	54	63	83	98
		SUCTION PRESSURE (PSIG)	135	108	98	82	62	53
		SUCTION TEMPERATURE(°F)	54	41	35	26	14	7
		SUCTION SUPERHEAT (°F)	8	6	5	4	4	4
		OUTDOOR UNIT CURRENT (A)	8.2	7.9	7.8	7.7	7.5	7.5
		COMPRESSOR CURRENT (A)	6.8	6.6	6.5	6.3	6.2	6.1
		INDOOR COIL TEMP RISE (°F)	26	23	21	18	15	13



Extended heating high-speed service data  
for use with models:

**PHE6A2424**

**PHG6A240752X4**

SIZE (TONS)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY & KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
2	600	60	MBH	5.0	7.0	11.4	14.8	18.9	21.5	24.3	26.8
			KW	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8
		70	MBH	5.0	6.9	11.3	14.6	18.6	21.1	23.7	26.1
			KW	1.5	1.5	1.6	1.7	1.8	3.1	1.9	2.0
		80	MBH	4.9	6.8	11.1	14.3	18.2	20.6	23.1	25.4
			KW	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.1
	800	60	MBH	5.5	7.5	11.9	15.3	19.2	22.0	24.8	28.0
			KW	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7
		70	MBH	5.6	7.5	11.8	15.1	18.9	21.6	24.3	27.2
			KW	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9
		80	MBH	5.6	7.4	11.6	14.8	18.6	21.1	23.7	26.5
			KW	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0
	1000	60	MBH	6.0	8.0	12.4	15.6	19.5	22.4	25.2	28.7
			KW	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
		70	MBH	6.0	8.1	12.4	15.5	19.3	22.0	24.7	28.1
		KW	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.8	
80		MBH	6.0	8.0	12.3	15.3	18.9	21.6	24.2	27.3	
		KW	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	

Standard cooling low-speed service data for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	185(30)	186(30)	188(30)	191(30)
60	201(30)	202(30)	205(29)	207(29)
65	217(30)	218(30)	221(28)	224(27)
70	235(30)	236(30)	239(28)	242(27)
75	254(30)	254(30)	257(28)	261(26)
80	274(31)	274(31)	277(29)	281(27)
85	294(32)	294(32)	297(30)	301(28)
90	316(34)	316(34)	319(31)	323(30)
95	338(35)	338(35)	341(33)	345(31)
100	362(36)	362(36)	365(34)	369(32)
105	386(38)	386(38)	389(36)	394(33)
110	412(39)	412(39)	415(37)	420(35)
115	439(41)	439(41)	441(39)	446(36)
120	467(42)	467(42)	469(41)	474(38)
125	495(43)	495(43)	497(44)	502(40)

**Notes:**

- The charging chart is for use only in low-stage (part-load capacity) mode.
- The charging chart is for use only in cooling mode.

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	700	DISCHARGE PRESSURE (PSIG)	184	217	252	292	335	383	435	491
		DISCHARGE TEMPERATURE (°F)	95	106	115	127	142	154	167	179
		DISCHARGE SUPERHEAT (°F)	31	31	31	33	39	40	44	47
		SUCTION PRESSURE (PSIG)	130	131	133	135	137	139	142	145
		SUCTION TEMPERATURE (°F)	56	57	56	57	59	58	58	57
		SUCTION SUPERHEAT (°F)	11	11	10	10	12	9	9	6
		OUTDOOR UNIT CURRENT (A)	5.8	6.2	6.8	7.6	8.5	9.5	10.6	11.9
		COMPRESSOR CURRENT (A)	4.4	4.9	5.5	6.2	7.1	8.1	9.3	10.6
	INDOOR COIL DB TEMP DROP (°F)	29	28	28	27	26	26	25	24	
	900	DISCHARGE PRESSURE (PSIG)	186	218	254	294	337	385	437	493
		DISCHARGE TEMPERATURE (°F)	95	105	115	127	140	152	166	179
		DISCHARGE SUPERHEAT (°F)	30	30	30	32	36	39	43	46
		SUCTION PRESSURE (PSIG)	136	138	139	141	143	145	147	150
		SUCTION TEMPERATURE (°F)	58	59	59	59	60	60	60	60
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.5	8.4	9.4	10.6	11.9
		COMPRESSOR CURRENT (A)	4.3	4.8	5.4	6.1	7.0	8.1	9.2	10.5
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	23	23	22	
	1100	DISCHARGE PRESSURE (PSIG)	187	219	255	295	338	386	438	495
		DISCHARGE TEMPERATURE (°F)	97	105	114	126	139	152	164	178
		DISCHARGE SUPERHEAT (°F)	31	30	29	31	35	38	41	45
		SUCTION PRESSURE (PSIG)	140	142	144	145	146	149	153	157
		SUCTION TEMPERATURE (°F)	61	61	61	60	61	62	62	63
		SUCTION SUPERHEAT (°F)	13	11	10	10	10	9	9	8
OUTDOOR UNIT CURRENT (A)		5.7	6.1	6.7	7.5	8.4	9.4	10.6	11.9	
COMPRESSOR CURRENT (A)		4.3	4.7	5.4	6.1	7.0	8.0	9.2	10.5	
INDOOR COIL DB TEMP DROP (°F)	23	23	23	22	22	21	20	19		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	700	DISCHARGE PRESSURE (PSIG)	183	215	251	291	335	383	435	492
		DISCHARGE TEMPERATURE (°F)	93	106	115	128	141	154	167	178
		DISCHARGE SUPERHEAT (°F)	29	32	31	34	38	40	44	46
		SUCTION PRESSURE (PSIG)	122	123	128	131	134	138	143	147
		SUCTION TEMPERATURE (°F)	50	53	53	55	57	57	58	57
		SUCTION SUPERHEAT (°F)	8	11	9	10	10	9	9	6
		OUTDOOR UNIT CURRENT (A)	5.9	6.3	6.9	7.6	8.5	9.5	10.6	11.9
		COMPRESSOR CURRENT (A)	4.5	4.9	5.5	6.2	7.1	8.1	9.3	10.5
	INDOOR COIL DB TEMP DROP (°F)	37	36	35	34	32	31	29	27	
	900	DISCHARGE PRESSURE (PSIG)	185	217	254	294	338	386	439	495
		DISCHARGE TEMPERATURE (°F)	95	105	115	126	139	151	164	176
		DISCHARGE SUPERHEAT (°F)	30	30	30	32	35	38	41	43
		SUCTION PRESSURE (PSIG)	132	135	139	142	146	150	153	158
		SUCTION TEMPERATURE (°F)	57	58	59	59	61	62	62	62
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	9	8	7
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.5	8.4	9.4	10.6	11.8
		COMPRESSOR CURRENT (A)	4.4	4.8	5.4	6.1	7.0	8.0	9.2	10.5
	INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	28	26	25	23	
	1100	DISCHARGE PRESSURE (PSIG)	187	219	256	296	340	389	441	498
		DISCHARGE TEMPERATURE (°F)	95	105	114	126	138	150	163	175
		DISCHARGE SUPERHEAT (°F)	30	29	29	31	34	36	39	42
		SUCTION PRESSURE (PSIG)	141	144	148	151	154	158	162	167
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	65	66	66
		SUCTION SUPERHEAT (°F)	12	11	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.7	7.4	8.3	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	4.3	4.7	5.3	6.1	7.0	8.0	9.1	10.4
	INDOOR COIL DB TEMP DROP (°F)	28	27	26	25	24	23	22	20	
	80/62	700	DISCHARGE PRESSURE (PSIG)	184	217	252	292	335	383	435
DISCHARGE TEMPERATURE (°F)			94	106	115	127	141	154	167	179
DISCHARGE SUPERHEAT (°F)			30	31	31	33	37	40	44	46
SUCTION PRESSURE (PSIG)			130	131	133	135	136	138	143	148
SUCTION TEMPERATURE (°F)			54	57	56	57	57	57	58	58
SUCTION SUPERHEAT (°F)			10	11	10	10	10	9	9	6
OUTDOOR UNIT CURRENT (A)			5.8	6.2	6.8	7.6	8.5	9.5	10.6	11.9
COMPRESSOR CURRENT (A)			4.4	4.9	5.5	6.2	7.1	8.1	9.3	10.5
INDOOR COIL DB TEMP DROP (°F)		34	33	33	32	32	31	29	27	
900		DISCHARGE PRESSURE (PSIG)	186	218	254	294	338	386	439	495
		DISCHARGE TEMPERATURE (°F)	95	105	115	126	139	151	164	176
		DISCHARGE SUPERHEAT (°F)	30	30	30	32	35	38	41	43
		SUCTION PRESSURE (PSIG)	136	138	139	142	146	150	153	159
		SUCTION TEMPERATURE (°F)	57	59	59	59	61	62	63	63
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	5.7	6.2	6.8	7.5	8.4	9.4	10.6	11.8
		COMPRESSOR CURRENT (A)	4.3	4.8	5.4	6.1	7.0	8.0	9.2	10.5
INDOOR COIL DB TEMP DROP (°F)		31	30	30	29	28	26	25	23	
1100		DISCHARGE PRESSURE (PSIG)	187	219	256	296	340	389	441	498
		DISCHARGE TEMPERATURE (°F)	97	104	114	126	138	150	163	175
		DISCHARGE SUPERHEAT (°F)	31	29	29	31	34	36	39	42
		SUCTION PRESSURE (PSIG)	140	144	148	151	154	158	163	167
		SUCTION TEMPERATURE (°F)	61	62	62	63	64	65	66	67
		SUCTION SUPERHEAT (°F)	13	11	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.7	6.1	6.7	7.4	8.3	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	4.3	4.7	5.3	6.1	7.0	8.0	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		28	27	26	25	24	23	22	20	

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	700	DISCHARGE PRESSURE (PSIG)	187	219	255	295	339	387	438	496
		DISCHARGE TEMPERATURE (°F)	95	105	114	126	139	151	164	177
		DISCHARGE SUPERHEAT (°F)	30	29	29	31	34	37	41	44
		SUCTION PRESSURE (PSIG)	142	144	146	148	150	150	152	158
		SUCTION TEMPERATURE (°F)	61	62	61	62	63	62	62	63
		SUCTION SUPERHEAT (°F)	11	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	5.6	6.1	6.7	7.5	8.4	9.4	10.6	11.9
		COMPRESSOR CURRENT (A)	4.3	4.7	5.3	6.1	7.0	8.0	9.2	10.5
	INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	27	26	26	24	
	900	DISCHARGE PRESSURE (PSIG)	188	221	257	297	341	389	441	497
		DISCHARGE TEMPERATURE (°F)	96	104	114	125	138	150	163	177
		DISCHARGE SUPERHEAT (°F)	30	28	28	30	33	36	39	44
		SUCTION PRESSURE (PSIG)	148	151	153	154	156	158	161	164
		SUCTION TEMPERATURE (°F)	65	64	64	64	65	65	65	67
		SUCTION SUPERHEAT (°F)	13	11	10	10	10	9	9	9
		OUTDOOR UNIT CURRENT (A)	5.5	6.0	6.7	7.4	8.3	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	4.2	4.6	5.3	6.0	6.9	8.0	9.1	10.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	25	24	24	23	23	22	
	1100	DISCHARGE PRESSURE (PSIG)	189	222	258	298	342	389	442	498
		DISCHARGE TEMPERATURE (°F)	97	104	113	125	140	150	162	175
		DISCHARGE SUPERHEAT (°F)	31	28	27	29	35	35	38	42
		SUCTION PRESSURE (PSIG)	152	156	157	159	161	162	164	167
		SUCTION TEMPERATURE (°F)	67	66	66	66	69	66	66	67
		SUCTION SUPERHEAT (°F)	14	11	10	10	13	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.5	6.0	6.6	7.4	8.3	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	4.1	4.6	5.2	6.0	6.9	7.9	9.1	10.4
	INDOOR COIL DB TEMP DROP (°F)	22	23	23	22	22	22	21	20	
	80/72	700	DISCHARGE PRESSURE (PSIG)	190	222	259	299	344	392	443
DISCHARGE TEMPERATURE (°F)			96	104	113	125	137	149	162	175
DISCHARGE SUPERHEAT (°F)			30	28	27	29	32	34	37	42
SUCTION PRESSURE (PSIG)			154	157	159	161	163	166	167	170
SUCTION TEMPERATURE (°F)			67	67	66	66	67	68	67	68
SUCTION SUPERHEAT (°F)			13	12	10	10	10	9	8	8
OUTDOOR UNIT CURRENT (A)			5.5	6.0	6.6	7.4	8.3	9.3	10.5	11.8
COMPRESSOR CURRENT (A)			4.1	4.6	5.2	6.0	6.9	7.9	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		24	24	23	22	22	21	21	18	
900		DISCHARGE PRESSURE (PSIG)	191	224	261	301	345	394	446	502
		DISCHARGE TEMPERATURE (°F)	97	103	113	124	137	149	161	174
		DISCHARGE SUPERHEAT (°F)	30	27	26	28	31	33	36	40
		SUCTION PRESSURE (PSIG)	159	165	167	168	170	173	175	178
		SUCTION TEMPERATURE (°F)	70	69	69	69	70	70	70	71
		SUCTION SUPERHEAT (°F)	14	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.4	5.9	6.5	7.3	8.2	9.3	10.5	11.7
		COMPRESSOR CURRENT (A)	4.0	4.5	5.1	5.9	6.8	7.9	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		20	20	20	19	19	18	18	17	
1100		DISCHARGE PRESSURE (PSIG)	191	225	262	302	347	395	447	503
		DISCHARGE TEMPERATURE (°F)	100	103	114	124	137	148	161	173
		DISCHARGE SUPERHEAT (°F)	33	26	27	28	31	33	36	39
		SUCTION PRESSURE (PSIG)	164	170	171	173	174	177	179	180
		SUCTION TEMPERATURE (°F)	74	71	72	70	71	71	72	71
		SUCTION SUPERHEAT (°F)	16	12	12	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.3	5.8	6.5	7.3	8.2	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	3.9	4.4	5.1	5.9	6.8	7.9	9.1	10.4
INDOOR COIL DB TEMP DROP (°F)		17	18	18	17	17	17	16	16	

Extended cooling low-speed service data  
for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	700	DISCHARGE PRESSURE (PSIG)	229	263	300	345	397	451	498
		DISCHARGE TEMPERATURE (°F)	115	125	134	147	163	179	194
		DISCHARGE SUPERHEAT (°F)	37	38	38	41	47	54	61
		SUCTION PRESSURE (PSIG)	131	133	135	123	139	140	143
		SUCTION TEMPERATURE (°F)	56	56	57	52	58	57	56
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	6
		OUTDOOR UNIT CURRENT (A)	6.2	6.8	7.6	11.2	9.5	10.7	12.0
		COMPRESSOR CURRENT (A)	4.9	5.5	6.2	9.9	8.1	9.3	10.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	22	27	21	20	19
	900	DISCHARGE PRESSURE (PSIG)	230	232	302	346	398	452	507
		DISCHARGE TEMPERATURE (°F)	115	114	134	146	162	178	194
		DISCHARGE SUPERHEAT (°F)	36	35	37	40	46	52	59
		SUCTION PRESSURE (PSIG)	138	139	141	131	145	146	150
		SUCTION TEMPERATURE (°F)	59	59	59	56	60	60	60
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	6.2	6.8	7.5	11.3	9.5	10.6	11.9
		COMPRESSOR CURRENT (A)	4.8	5.4	6.2	9.9	8.1	9.3	10.5
		INDOOR COIL DB TEMP DROP (°F)	20	20	19	23	18	18	17
	1100	DISCHARGE PRESSURE (PSIG)	232	263	303	347	400	453	507
		DISCHARGE TEMPERATURE (°F)	114	125	133	145	161	177	196
		DISCHARGE SUPERHEAT (°F)	35	38	37	39	45	51	62
		SUCTION PRESSURE (PSIG)	142	144	145	136	149	151	153
		SUCTION TEMPERATURE (°F)	61	60	61	58	61	61	62
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.5	11.4	9.4	10.6	11.9
		COMPRESSOR CURRENT (A)	4.7	5.4	6.1	10.0	8.1	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	18	18	17	21	17	16	16

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	700	DISCHARGE PRESSURE (PSIG)	233	268	305	350	403	457	505
		DISCHARGE TEMPERATURE (°F)	114	123	132	144	160	175	189
		DISCHARGE SUPERHEAT (°F)	34	35	35	37	43	49	55
		SUCTION PRESSURE (PSIG)	143	145	147	135	152	154	158
		SUCTION TEMPERATURE (°F)	61	61	61	57	63	63	63
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.5	11.3	9.4	10.6	11.9
		COMPRESSOR CURRENT (A)	4.7	5.4	6.1	10.0	8.0	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	22	16	15	14
	900	DISCHARGE PRESSURE (PSIG)	235	269	307	351	405	459	514
		DISCHARGE TEMPERATURE (°F)	113	122	132	143	159	174	190
		DISCHARGE SUPERHEAT (°F)	33	34	34	36	42	47	54
		SUCTION PRESSURE (PSIG)	150	151	153	143	157	160	162
		SUCTION TEMPERATURE (°F)	64	63	63	60	64	65	65
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.7	7.5	11.4	9.4	10.6	11.9
		COMPRESSOR CURRENT (A)	4.7	5.3	6.1	10.1	8.0	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	18	13	13	12
	1100	DISCHARGE PRESSURE (PSIG)	236	270	308	353	406	460	514
		DISCHARGE TEMPERATURE (°F)	113	122	131	143	159	174	192
		DISCHARGE SUPERHEAT (°F)	33	33	34	36	41	47	56
		SUCTION PRESSURE (PSIG)	155	156	157	148	161	163	167
		SUCTION TEMPERATURE (°F)	66	65	65	62	66	66	67
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	11.5	9.4	10.6	11.8
		COMPRESSOR CURRENT (A)	4.6	5.3	6.0	10.1	8.0	9.2	10.5
		INDOOR COIL DB TEMP DROP (°F)	13	13	12	15	12	11	11
	90/62	700	DISCHARGE PRESSURE (PSIG)	231	266	305	350	404	459
DISCHARGE TEMPERATURE (°F)			115	123	132	144	159	174	184
DISCHARGE SUPERHEAT (°F)			36	35	35	37	42	47	49
SUCTION PRESSURE (PSIG)			138	142	146	126	154	158	164
SUCTION TEMPERATURE (°F)			59	60	61	53	63	64	64
SUCTION SUPERHEAT (°F)			11	10	10	10	9	9	6
OUTDOOR UNIT CURRENT (A)			6.2	6.8	7.5	11.2	9.4	10.5	11.8
COMPRESSOR CURRENT (A)			4.8	5.4	6.1	9.9	8.0	9.2	10.4
INDOOR COIL DB TEMP DROP (°F)			40	39	38	45	35	33	31
900		DISCHARGE PRESSURE (PSIG)	234	269	308	353	407	463	520
		DISCHARGE TEMPERATURE (°F)	113	122	131	142	158	172	185
		DISCHARGE SUPERHEAT (°F)	34	34	33	35	40	44	49
		SUCTION PRESSURE (PSIG)	151	155	159	140	167	172	178
		SUCTION TEMPERATURE (°F)	64	65	66	59	68	69	70
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	11.4	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	4.6	5.2	6.0	10.0	7.9	9.1	10.3
		INDOOR COIL DB TEMP DROP (°F)	35	34	32	39	30	29	27
1100		DISCHARGE PRESSURE (PSIG)	236	271	310	356	411	467	522
		DISCHARGE TEMPERATURE (°F)	113	121	130	142	157	171	187
		DISCHARGE SUPERHEAT (°F)	33	32	32	34	38	42	50
		SUCTION PRESSURE (PSIG)	162	166	169	151	178	182	188
		SUCTION TEMPERATURE (°F)	69	69	69	64	72	73	74
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.3	11.5	9.2	10.4	11.7
		COMPRESSOR CURRENT (A)	4.5	5.1	5.9	10.1	7.8	9.0	10.3
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	35	26	25	23

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	700	DISCHARGE PRESSURE (PSIG)	234	268	305	350	404	459	510
		DISCHARGE TEMPERATURE (°F)	113	122	132	144	159	174	184
		DISCHARGE SUPERHEAT (°F)	34	34	35	37	42	47	49
		SUCTION PRESSURE (PSIG)	143	146	148	135	154	159	165
		SUCTION TEMPERATURE (°F)	62	61	61	57	63	64	65
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	6.1	6.7	7.5	11.3	9.4	10.5	11.8
		COMPRESSOR CURRENT (A)	4.7	5.3	6.1	9.9	8.0	9.2	10.4
		INDOOR COIL DB TEMP DROP (°F)	39	38	37	42	35	33	31
	900	DISCHARGE PRESSURE (PSIG)	235	269	308	353	408	463	521
		DISCHARGE TEMPERATURE (°F)	113	122	131	142	158	172	185
		DISCHARGE SUPERHEAT (°F)	33	34	33	35	40	44	49
		SUCTION PRESSURE (PSIG)	152	155	159	144	167	172	178
		SUCTION TEMPERATURE (°F)	65	65	66	61	68	70	70
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	6.0	6.6	7.4	11.4	9.3	10.5	11.7
		COMPRESSOR CURRENT (A)	4.6	5.2	6.0	10.0	7.9	9.1	10.3
		INDOOR COIL DB TEMP DROP (°F)	34	33	32	38	30	29	27
	1100	DISCHARGE PRESSURE (PSIG)	236	271	310	356	411	467	522
		DISCHARGE TEMPERATURE (°F)	113	121	130	142	157	171	187
		DISCHARGE SUPERHEAT (°F)	33	32	32	34	38	42	50
		SUCTION PRESSURE (PSIG)	162	166	169	152	178	183	188
		SUCTION TEMPERATURE (°F)	68	69	69	64	72	73	74
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.3	11.5	9.2	10.4	11.7
		COMPRESSOR CURRENT (A)	4.5	5.1	5.9	10.1	7.8	9.0	10.3
		INDOOR COIL DB TEMP DROP (°F)	30	29	28	35	26	25	23
90/72	700	DISCHARGE PRESSURE (PSIG)	239	273	311	356	409	464	512
		DISCHARGE TEMPERATURE (°F)	112	121	130	142	157	172	184
		DISCHARGE SUPERHEAT (°F)	32	32	32	34	39	44	49
		SUCTION PRESSURE (PSIG)	158	160	162	149	166	169	169
		SUCTION TEMPERATURE (°F)	67	66	67	63	68	68	68
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.9	6.6	7.4	11.5	9.3	10.5	11.8
		COMPRESSOR CURRENT (A)	4.6	5.2	6.0	10.1	7.9	9.1	10.4
		INDOOR COIL DB TEMP DROP (°F)	33	33	32	37	31	30	27
	900	DISCHARGE PRESSURE (PSIG)	241	275	312	357	411	466	522
		DISCHARGE TEMPERATURE (°F)	112	121	130	141	156	171	185
		DISCHARGE SUPERHEAT (°F)	31	31	31	33	38	43	48
		SUCTION PRESSURE (PSIG)	165	167	169	158	172	174	178
		SUCTION TEMPERATURE (°F)	69	69	69	66	70	70	69
		SUCTION SUPERHEAT (°F)	11	10	10	10	9	9	7
		OUTDOOR UNIT CURRENT (A)	5.9	6.5	7.3	11.6	9.3	10.4	11.7
		COMPRESSOR CURRENT (A)	4.5	5.1	5.9	10.2	7.9	9.1	10.4
		INDOOR COIL DB TEMP DROP (°F)	30	30	29	33	29	28	27
	1100	DISCHARGE PRESSURE (PSIG)	242	276	313	358	412	467	522
		DISCHARGE TEMPERATURE (°F)	112	120	130	141	156	171	186
		DISCHARGE SUPERHEAT (°F)	30	30	31	32	37	42	49
		SUCTION PRESSURE (PSIG)	170	172	173	164	178	183	188
		SUCTION TEMPERATURE (°F)	71	71	71	68	72	73	74
		SUCTION SUPERHEAT (°F)	12	10	10	10	9	9	8
		OUTDOOR UNIT CURRENT (A)	5.8	6.4	7.3	11.7	9.2	10.4	11.7
		COMPRESSOR CURRENT (A)	4.4	5.1	5.9	10.3	7.8	9.0	10.3
		INDOOR COIL DB TEMP DROP (°F)	28	28	27	30	26	25	23

Standard cooling high-speed service data  
for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	198(42)	199(42)	202(43)	206(43)
60	216(42)	217(42)	221(42)	225(41)
65	234(42)	235(42)	239(40)	244(40)
70	254(42)	255(41)	260(40)	265(39)
75	275(41)	275(41)	281(39)	286(38)
80	297(41)	298(41)	303(39)	309(38)
85	320(41)	320(41)	326(39)	332(37)
90	342(42)	343(42)	348(40)	354(38)
95	365(43)	365(43)	371(41)	377(38)
100	389(44)	389(44)	394(42)	400(39)
105	413(44)	413(44)	417(43)	423(40)
110	439(46)	439(46)	442(44)	449(41)
115	464(47)	464(47)	468(45)	474(43)
120	492(47)	492(48)	495(46)	502(44)
125	519(48)	520(49)	523(48)	529(46)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1000	DISCHARGE PRESSURE (PSIG)	198	233	274	318	363	410	461	516
		DISCHARGE TEMPERATURE (°F)	111	121	131	142	154	165	176	188
		DISCHARGE SUPERHEAT (°F)	43	42	41	42	44	46	49	52
		SUCTION PRESSURE (PSIG)	127	129	131	134	136	139	140	142
		SUCTION TEMPERATURE (°F)	59	58	56	55	56	58	59	60
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.0	8.7	9.6	10.5	11.5	12.6	13.9	15.4
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.1	10.1	11.3	12.5	14.0
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	27	26	26	25	24
	1200	DISCHARGE PRESSURE (PSIG)	199	235	276	320	365	412	463	517
		DISCHARGE TEMPERATURE (°F)	112	121	131	142	153	164	175	187
		DISCHARGE SUPERHEAT (°F)	42	42	41	42	43	45	48	51
		SUCTION PRESSURE (PSIG)	132	134	136	138	140	143	144	145
		SUCTION TEMPERATURE (°F)	61	60	58	57	57	59	61	62
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.1	8.8	9.7	10.6	11.6	12.7	13.9	15.4
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.2	10.2	11.3	12.6	14.0
		INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	24	23	23
	1400	DISCHARGE PRESSURE (PSIG)	200	236	277	321	366	413	464	519
		DISCHARGE TEMPERATURE (°F)	112	121	130	141	153	163	175	186
		DISCHARGE SUPERHEAT (°F)	42	41	40	41	43	44	47	50
		SUCTION PRESSURE (PSIG)	135	138	140	141	143	146	147	150
		SUCTION TEMPERATURE (°F)	62	62	60	59	59	60	62	63
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
OUTDOOR UNIT CURRENT (A)		8.2	8.9	9.7	10.6	11.6	12.7	14.0	15.5	
COMPRESSOR CURRENT (A)		6.8	7.5	8.3	9.2	10.2	11.3	12.6	14.1	
INDOOR COIL DB TEMP DROP (°F)		24	23	23	23	22	22	22	21	



ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1000	DISCHARGE PRESSURE (PSIG)	196	231	272	316	362	409	461	516
		DISCHARGE TEMPERATURE (°F)	110	121	132	143	154	165	176	186
		DISCHARGE SUPERHEAT (°F)	42	43	42	43	45	46	49	50
		SUCTION PRESSURE (PSIG)	120	122	125	129	133	137	140	145
		SUCTION TEMPERATURE (°F)	54	55	54	53	55	57	59	60
		SUCTION SUPERHEAT (°F)	14	14	11	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	7.8	8.6	9.5	10.5	11.5	12.6	13.9	15.4
		COMPRESSOR CURRENT (A)	6.4	7.2	8.1	9.1	10.1	11.2	12.5	14.0
	INDOOR COIL DB TEMP DROP (°F)	37	36	34	33	32	31	30	28	
	1200	DISCHARGE PRESSURE (PSIG)	198	234	275	320	365	413	464	519
		DISCHARGE TEMPERATURE (°F)	111	121	131	142	153	163	175	185
		DISCHARGE SUPERHEAT (°F)	42	42	41	41	43	44	47	48
		SUCTION PRESSURE (PSIG)	128	130	134	137	141	146	149	153
		SUCTION TEMPERATURE (°F)	58	58	57	57	58	61	63	64
		SUCTION SUPERHEAT (°F)	14	14	11	9	9	10	10	10
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.6	10.6	11.6	12.7	14.0	15.4
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.2	10.2	11.3	12.6	14.1
	INDOOR COIL DB TEMP DROP (°F)	33	32	30	29	28	27	26	24	
	1400	DISCHARGE PRESSURE (PSIG)	200	236	277	322	368	416	467	521
		DISCHARGE TEMPERATURE (°F)	111	121	131	141	153	163	174	184
		DISCHARGE SUPERHEAT (°F)	42	41	40	40	42	43	45	47
		SUCTION PRESSURE (PSIG)	134	136	140	144	147	153	156	160
		SUCTION TEMPERATURE (°F)	61	61	60	59	60	63	65	66
		SUCTION SUPERHEAT (°F)	14	14	11	9	9	10	10	10
OUTDOOR UNIT CURRENT (A)		8.1	8.9	9.7	10.6	11.6	12.8	14.0	15.5	
COMPRESSOR CURRENT (A)		6.8	7.5	8.3	9.3	10.3	11.4	12.7	14.1	
INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	25	25	23	22		
80/62	1000	DISCHARGE PRESSURE (PSIG)	198	233	274	318	363	410	461	517
		DISCHARGE TEMPERATURE (°F)	111	121	131	142	154	165	176	187
		DISCHARGE SUPERHEAT (°F)	43	42	41	42	44	46	49	51
		SUCTION PRESSURE (PSIG)	127	129	131	133	136	138	141	145
		SUCTION TEMPERATURE (°F)	59	58	56	55	56	57	59	61
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.0	8.7	9.6	10.5	11.5	12.6	13.9	15.4
		COMPRESSOR CURRENT (A)	6.6	7.4	8.2	9.1	10.1	11.2	12.5	14.0
	INDOOR COIL DB TEMP DROP (°F)	34	33	32	31	31	31	30	28	
	1200	DISCHARGE PRESSURE (PSIG)	199	235	275	320	365	413	464	520
		DISCHARGE TEMPERATURE (°F)	112	121	131	142	153	163	175	186
		DISCHARGE SUPERHEAT (°F)	42	42	41	41	43	44	47	49
		SUCTION PRESSURE (PSIG)	132	134	136	138	141	146	149	153
		SUCTION TEMPERATURE (°F)	61	60	58	57	58	61	63	65
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.1	8.8	9.7	10.6	11.6	12.7	14.0	15.5
		COMPRESSOR CURRENT (A)	6.7	7.4	8.3	9.2	10.2	11.3	12.6	14.1
	INDOOR COIL DB TEMP DROP (°F)	31	30	30	29	28	27	26	25	
	1400	DISCHARGE PRESSURE (PSIG)	200	236	277	322	368	416	467	523
		DISCHARGE TEMPERATURE (°F)	112	121	131	141	152	163	174	185
		DISCHARGE SUPERHEAT (°F)	42	41	40	40	42	43	45	48
		SUCTION PRESSURE (PSIG)	135	137	140	144	148	153	156	160
		SUCTION TEMPERATURE (°F)	62	61	60	60	61	63	65	67
		SUCTION SUPERHEAT (°F)	15	14	11	9	9	10	10	11
OUTDOOR UNIT CURRENT (A)		8.2	8.9	9.7	10.7	11.6	12.8	14.0	15.5	
COMPRESSOR CURRENT (A)		6.8	7.5	8.3	9.3	10.3	11.4	12.7	14.1	
INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	25	24	23	22		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1000	DISCHARGE PRESSURE (PSIG)	201	238	279	324	369	416	465	520
		DISCHARGE TEMPERATURE (°F)	113	121	131	141	153	163	174	186
		DISCHARGE SUPERHEAT (°F)	43	41	40	40	42	43	46	49
		SUCTION PRESSURE (PSIG)	139	142	144	147	149	152	151	153
		SUCTION TEMPERATURE (°F)	64	63	62	61	61	63	63	65
		SUCTION SUPERHEAT (°F)	16	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.3	9.0	9.8	10.7	11.7	12.7	14.0	15.5
		COMPRESSOR CURRENT (A)	6.9	7.6	8.4	9.3	10.3	11.4	12.6	14.1
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	26	26	26	25	
	1200	DISCHARGE PRESSURE (PSIG)	202	239	281	326	371	417	468	523
		DISCHARGE TEMPERATURE (°F)	113	121	130	141	152	162	173	185
		DISCHARGE SUPERHEAT (°F)	43	40	39	39	41	43	45	48
		SUCTION PRESSURE (PSIG)	144	147	150	152	154	156	158	160
		SUCTION TEMPERATURE (°F)	66	65	64	63	63	64	66	67
		SUCTION SUPERHEAT (°F)	16	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.4	9.1	9.9	10.8	11.7	12.8	14.0	15.5
		COMPRESSOR CURRENT (A)	7.0	7.7	8.5	9.4	10.3	11.4	12.7	14.1
	INDOOR COIL DB TEMP DROP (°F)	26	25	25	24	24	24	23	23	
	1400	DISCHARGE PRESSURE (PSIG)	203	241	282	327	372	418	469	523
		DISCHARGE TEMPERATURE (°F)	113	121	130	141	152	162	173	184
		DISCHARGE SUPERHEAT (°F)	43	40	39	39	41	42	44	47
		SUCTION PRESSURE (PSIG)	147	151	153	155	157	159	161	162
		SUCTION TEMPERATURE (°F)	68	67	65	64	64	66	67	68
		SUCTION SUPERHEAT (°F)	16	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.5	9.2	10.0	10.8	11.8	12.8	14.1	15.5
		COMPRESSOR CURRENT (A)	7.1	7.8	8.6	9.4	10.4	11.4	12.7	14.1
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	22	22	22	21	
	80/72	1000	DISCHARGE PRESSURE (PSIG)	204	242	284	330	375	422	472
DISCHARGE TEMPERATURE (°F)			114	122	130	141	151	162	173	184
DISCHARGE SUPERHEAT (°F)			44	40	38	38	40	41	43	46
SUCTION PRESSURE (PSIG)			150	156	159	161	163	166	167	169
SUCTION TEMPERATURE (°F)			70	68	67	66	66	68	69	71
SUCTION SUPERHEAT (°F)			17	14	11	9	9	10	10	12
OUTDOOR UNIT CURRENT (A)			8.6	9.3	10.1	10.9	11.9	12.9	14.2	15.6
COMPRESSOR CURRENT (A)			7.2	7.9	8.7	9.5	10.5	11.5	12.8	14.2
INDOOR COIL DB TEMP DROP (°F)		23	23	22	22	21	21	20	20	
1200		DISCHARGE PRESSURE (PSIG)	206	244	286	332	377	423	474	529
		DISCHARGE TEMPERATURE (°F)	115	122	130	140	150	161	172	184
		DISCHARGE SUPERHEAT (°F)	43	40	38	37	38	40	43	46
		SUCTION PRESSURE (PSIG)	155	161	164	166	169	171	173	175
		SUCTION TEMPERATURE (°F)	72	70	69	68	67	70	71	73
		SUCTION SUPERHEAT (°F)	17	14	11	9	8	10	10	12
		OUTDOOR UNIT CURRENT (A)	8.7	9.5	10.2	11.0	11.9	13.0	14.2	15.7
		COMPRESSOR CURRENT (A)	7.3	8.1	8.8	9.6	10.6	11.6	12.8	14.3
INDOOR COIL DB TEMP DROP (°F)		20	20	20	19	19	19	18	18	
1400		DISCHARGE PRESSURE (PSIG)	206	245	287	333	378	425	476	531
		DISCHARGE TEMPERATURE (°F)	115	122	130	140	151	161	172	183
		DISCHARGE SUPERHEAT (°F)	43	39	37	37	38	40	42	45
		SUCTION PRESSURE (PSIG)	158	164	168	171	172	175	176	178
		SUCTION TEMPERATURE (°F)	73	71	70	69	69	71	72	74
		SUCTION SUPERHEAT (°F)	17	14	11	9	9	10	10	12
		OUTDOOR UNIT CURRENT (A)	8.8	9.5	10.3	11.1	12.0	13.0	14.3	15.7
		COMPRESSOR CURRENT (A)	7.4	8.2	8.9	9.7	10.6	11.6	12.9	14.3
INDOOR COIL DB TEMP DROP (°F)		19	19	18	18	17	17	17	16	

Extended cooling high-speed service data  
for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	1000	DISCHARGE PRESSURE (PSIG)	234	274	318	363	410	461	516
		DISCHARGE TEMPERATURE (°F)	121	132	142	154	165	176	188
		DISCHARGE SUPERHEAT (°F)	42	42	42	44	46	49	52
		SUCTION PRESSURE (PSIG)	129	131	134	136	138	139	142
		SUCTION TEMPERATURE (°F)	58	57	55	56	58	59	60
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.7	9.6	10.5	11.5	12.6	13.9	15.4
		COMPRESSOR CURRENT (A)	7.4	8.2	9.1	10.1	11.3	12.6	14.0
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	21	20	19
	1200	DISCHARGE PRESSURE (PSIG)	236	236	320	365	412	463	518
		DISCHARGE TEMPERATURE (°F)	123	121	141	153	164	175	187
		DISCHARGE SUPERHEAT (°F)	43	41	41	43	45	48	51
		SUCTION PRESSURE (PSIG)	135	136	138	140	143	144	146
		SUCTION TEMPERATURE (°F)	62	58	57	58	59	61	62
		SUCTION SUPERHEAT (°F)	15	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.6	11.6	12.7	14.0	15.5
		COMPRESSOR CURRENT (A)	7.5	8.3	9.2	10.2	11.3	12.6	14.1
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	19	18	18
	1400	DISCHARGE PRESSURE (PSIG)	236	274	322	367	413	465	519
		DISCHARGE TEMPERATURE (°F)	121	132	142	153	164	175	187
		DISCHARGE SUPERHEAT (°F)	41	42	41	43	45	47	50
		SUCTION PRESSURE (PSIG)	137	140	142	144	146	148	149
		SUCTION TEMPERATURE (°F)	61	60	59	59	61	62	63
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.6	11.6	12.7	14.0	15.5
		COMPRESSOR CURRENT (A)	7.5	8.3	9.3	10.2	11.3	12.6	14.1
		INDOOR COIL DB TEMP DROP (°F)	19	18	18	17	17	17	16

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1000	DISCHARGE PRESSURE (PSIG)	238	279	324	369	417	468	524
		DISCHARGE TEMPERATURE (°F)	121	131	141	152	163	174	186
		DISCHARGE SUPERHEAT (°F)	41	40	40	42	44	46	49
		SUCTION PRESSURE (PSIG)	141	144	147	149	151	154	155
		SUCTION TEMPERATURE (°F)	63	61	61	61	63	64	66
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.7	11.7	12.8	14.1	15.6
		COMPRESSOR CURRENT (A)	7.6	8.4	9.3	10.3	11.4	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	15	14
	1200	DISCHARGE PRESSURE (PSIG)	240	281	326	371	419	470	525
		DISCHARGE TEMPERATURE (°F)	121	131	141	152	163	174	186
		DISCHARGE SUPERHEAT (°F)	41	39	39	41	43	45	48
		SUCTION PRESSURE (PSIG)	146	149	152	154	156	158	159
		SUCTION TEMPERATURE (°F)	65	63	62	63	64	66	67
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.8	11.7	12.8	14.1	15.6
		COMPRESSOR CURRENT (A)	7.7	8.5	9.4	10.4	11.4	12.7	14.2
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	14	14	13	13
	1400	DISCHARGE PRESSURE (PSIG)	241	283	328	373	420	471	527
		DISCHARGE TEMPERATURE (°F)	122	131	141	152	162	174	185
		DISCHARGE SUPERHEAT (°F)	40	39	39	40	42	45	48
		SUCTION PRESSURE (PSIG)	149	153	156	158	159	161	162
		SUCTION TEMPERATURE (°F)	66	65	64	64	66	67	68
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	11	11
		OUTDOOR UNIT CURRENT (A)	9.2	10.0	10.8	11.8	12.9	14.1	15.6
		COMPRESSOR CURRENT (A)	7.8	8.6	9.5	10.4	11.5	12.8	14.3
		INDOOR COIL DB TEMP DROP (°F)	14	13	13	12	12	12	11
	90/62	1000	DISCHARGE PRESSURE (PSIG)	235	277	322	369	416	467
DISCHARGE TEMPERATURE (°F)			121	131	141	152	162	173	184
DISCHARGE SUPERHEAT (°F)			41	40	40	42	43	45	47
SUCTION PRESSURE (PSIG)			136	140	145	149	154	158	162
SUCTION TEMPERATURE (°F)			61	60	60	61	64	66	68
SUCTION SUPERHEAT (°F)			14	11	9	9	10	10	11
OUTDOOR UNIT CURRENT (A)			8.9	9.7	10.7	11.7	12.8	14.0	15.5
COMPRESSOR CURRENT (A)			7.5	8.3	9.3	10.3	11.4	12.7	14.1
INDOOR COIL DB TEMP DROP (°F)			40	38	37	35	34	33	31
1200		DISCHARGE PRESSURE (PSIG)	239	281	326	373	420	471	527
		DISCHARGE TEMPERATURE (°F)	121	130	141	151	162	172	183
		DISCHARGE SUPERHEAT (°F)	41	39	39	40	41	43	45
		SUCTION PRESSURE (PSIG)	146	150	154	159	163	168	172
		SUCTION TEMPERATURE (°F)	65	64	63	65	67	69	71
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.8	11.8	12.9	14.1	15.6
		COMPRESSOR CURRENT (A)	7.7	8.5	9.4	10.4	11.5	12.8	14.2
		INDOOR COIL DB TEMP DROP (°F)	35	34	33	31	31	29	28
1400		DISCHARGE PRESSURE (PSIG)	241	283	330	376	424	475	530
		DISCHARGE TEMPERATURE (°F)	121	130	140	151	161	171	182
		DISCHARGE SUPERHEAT (°F)	40	38	38	39	40	42	44
		SUCTION PRESSURE (PSIG)	154	158	163	167	173	177	181
		SUCTION TEMPERATURE (°F)	68	67	66	67	70	72	74
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.3	10.0	10.9	11.9	13.0	14.2	15.7
		COMPRESSOR CURRENT (A)	7.9	8.7	9.6	10.5	11.6	12.8	14.3
		INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	28	26	25

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1000	DISCHARGE PRESSURE (PSIG)	237	278	323	368	416	468	523
		DISCHARGE TEMPERATURE (°F)	121	131	141	152	162	173	184
		DISCHARGE SUPERHEAT (°F)	41	40	40	42	43	45	47
		SUCTION PRESSURE (PSIG)	142	144	147	149	154	158	162
		SUCTION TEMPERATURE (°F)	63	62	61	61	64	66	68
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.7	11.7	12.8	14.0	15.5
		COMPRESSOR CURRENT (A)	7.6	8.4	9.3	10.3	11.4	12.7	14.1
	INDOOR COIL DB TEMP DROP (°F)	38	37	36	35	34	33	31	
	1200	DISCHARGE PRESSURE (PSIG)	239	281	327	373	420	472	527
		DISCHARGE TEMPERATURE (°F)	121	130	141	150	162	172	183
		DISCHARGE SUPERHEAT (°F)	41	39	39	39	41	43	45
		SUCTION PRESSURE (PSIG)	147	150	155	159	164	168	172
		SUCTION TEMPERATURE (°F)	65	64	63	64	67	70	72
		SUCTION SUPERHEAT (°F)	14	11	9	8	10	10	11
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.8	11.8	12.9	14.1	15.6
		COMPRESSOR CURRENT (A)	7.7	8.5	9.4	10.4	11.5	12.8	14.2
	INDOOR COIL DB TEMP DROP (°F)	35	34	33	31	31	29	28	
	1400	DISCHARGE PRESSURE (PSIG)	241	283	330	376	424	475	530
		DISCHARGE TEMPERATURE (°F)	121	130	140	151	161	171	182
		DISCHARGE SUPERHEAT (°F)	40	38	38	39	40	42	44
		SUCTION PRESSURE (PSIG)	153	157	163	167	173	177	181
		SUCTION TEMPERATURE (°F)	67	66	66	68	70	72	75
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	11
OUTDOOR UNIT CURRENT (A)		9.2	10.0	10.9	11.9	13.0	14.2	15.7	
COMPRESSOR CURRENT (A)		7.9	8.7	9.6	10.5	11.6	12.8	14.3	
INDOOR COIL DB TEMP DROP (°F)	32	31	29	28	28	26	25		
90/72	1000	DISCHARGE PRESSURE (PSIG)	242	284	330	375	421	472	526
		DISCHARGE TEMPERATURE (°F)	121	130	140	151	161	172	184
		DISCHARGE SUPERHEAT (°F)	40	38	38	39	41	43	46
		SUCTION PRESSURE (PSIG)	156	159	161	164	166	168	170
		SUCTION TEMPERATURE (°F)	68	67	66	66	68	70	72
		SUCTION SUPERHEAT (°F)	14	11	9	9	9	10	12
		OUTDOOR UNIT CURRENT (A)	9.3	10.1	10.9	11.9	12.9	14.1	15.6
		COMPRESSOR CURRENT (A)	8.0	8.7	9.5	10.5	11.5	12.8	14.2
	INDOOR COIL DB TEMP DROP (°F)	32	32	31	30	30	30	29	
	1200	DISCHARGE PRESSURE (PSIG)	244	286	331	376	423	473	527
		DISCHARGE TEMPERATURE (°F)	122	130	140	151	161	172	183
		DISCHARGE SUPERHEAT (°F)	40	38	37	39	40	42	45
		SUCTION PRESSURE (PSIG)	162	164	166	168	171	172	174
		SUCTION TEMPERATURE (°F)	70	69	68	68	70	71	73
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	12
		OUTDOOR UNIT CURRENT (A)	9.5	10.2	11.0	11.9	13.0	14.2	15.6
		COMPRESSOR CURRENT (A)	8.1	8.8	9.6	10.5	11.6	12.8	14.2
	INDOOR COIL DB TEMP DROP (°F)	30	29	29	28	29	28	27	
	1400	DISCHARGE PRESSURE (PSIG)	245	287	332	378	424	475	530
		DISCHARGE TEMPERATURE (°F)	122	130	140	151	161	171	183
		DISCHARGE SUPERHEAT (°F)	39	37	37	38	40	42	44
		SUCTION PRESSURE (PSIG)	166	168	170	172	174	177	181
		SUCTION TEMPERATURE (°F)	72	70	69	69	71	73	75
		SUCTION SUPERHEAT (°F)	14	11	9	9	10	10	12
OUTDOOR UNIT CURRENT (A)		9.6	10.3	11.1	12.0	13.0	14.2	15.7	
COMPRESSOR CURRENT (A)		8.2	8.9	9.7	10.6	11.6	12.8	14.3	
INDOOR COIL DB TEMP DROP (°F)	28	27	27	26	27	26	25		

Standard heating low-speed service data  
for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

PHE6B36/PHG6B36 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	287 (31)	306 (33)	326 (34)	347 (37)	368 (39)
47	267 (40)	286 (43)	305 (46)	326 (49)	348 (53)
40	259 (48)	279 (53)	298 (57)	319 (62)	340 (67)

PHE6B36/PHG6B36

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
60	700	DISCHARGE PRESSURE (PSIG)	319	296	287
		DISCHARGE TEMPERATURE (°F)	132	136	142
		DISCHARGE SUPERHEAT(°F)	32	41	49
		SUCTION PRESSURE (PSIG)	136	112	100
		SUCTION TEMPERATURE(°F)	55	42	35
		SUCTION SUPERHEAT (°F)	7	5	4
		OUTDOOR UNIT CURRENT (A)	8.2	8.1	8.0
		COMPRESSOR CURRENT (A)	6.7	6.6	6.5
		INDOOR COIL TEMP RISE (°F)	36	31	29
	900	DISCHARGE PRESSURE (PSIG)	287	267	259
		DISCHARGE TEMPERATURE (°F)	123	128	134
		DISCHARGE SUPERHEAT(°F)	31	40	48
		SUCTION PRESSURE (PSIG)	136	109	96
		SUCTION TEMPERATURE(°F)	54	42	35
		SUCTION SUPERHEAT (°F)	7	6	6
		OUTDOOR UNIT CURRENT (A)	7.5	7.5	7.5
		COMPRESSOR CURRENT (A)	6.1	6.0	6.0
		INDOOR COIL TEMP RISE (°F)	29	24	22
	1100	DISCHARGE PRESSURE (PSIG)	267	250	241
		DISCHARGE TEMPERATURE (°F)	118	124	130
		DISCHARGE SUPERHEAT(°F)	30	41	49
		SUCTION PRESSURE (PSIG)	135	107	93
		SUCTION TEMPERATURE(°F)	55	42	35
		SUCTION SUPERHEAT (°F)	8	8	7
		OUTDOOR UNIT CURRENT (A)	7.2	7.2	7.2
		COMPRESSOR CURRENT (A)	5.7	5.7	5.7
		INDOOR COIL TEMP RISE (°F)	24	20	18

## PHE6B36/PHG6B36

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
70	700	DISCHARGE PRESSURE (PSIG)	359	337	327
		DISCHARGE TEMPERATURE (°F)	145	152	160
		DISCHARGE SUPERHEAT (°F)	36	48	58
		SUCTION PRESSURE (PSIG)	137	112	99
		SUCTION TEMPERATURE (°F)	55	42	35
		SUCTION SUPERHEAT (°F)	7	5	4
		OUTDOOR UNIT CURRENT (A)	9.1	8.9	8.9
		COMPRESSOR CURRENT (A)	7.6	7.5	7.4
		INDOOR COIL TEMP RISE (°F)	35	30	28
	900	DISCHARGE PRESSURE (PSIG)	326	305	298
		DISCHARGE TEMPERATURE (°F)	136	143	153
		DISCHARGE SUPERHEAT (°F)	34	46	57
		SUCTION PRESSURE (PSIG)	135	110	95
		SUCTION TEMPERATURE (°F)	54	42	35
		SUCTION SUPERHEAT (°F)	7	6	6
		OUTDOOR UNIT CURRENT (A)	8.4	8.3	8.3
		COMPRESSOR CURRENT (A)	6.9	6.8	6.9
		INDOOR COIL TEMP RISE (°F)	28	24	22
	1100	DISCHARGE PRESSURE (PSIG)	305	286	276
		DISCHARGE TEMPERATURE (°F)	130	138	146
		DISCHARGE SUPERHEAT (°F)	33	46	56
		SUCTION PRESSURE (PSIG)	136	108	93
		SUCTION TEMPERATURE (°F)	55	42	35
		SUCTION SUPERHEAT (°F)	8	8	8
		OUTDOOR UNIT CURRENT (A)	7.9	7.9	7.9
		COMPRESSOR CURRENT (A)	6.5	6.4	6.4
		INDOOR COIL TEMP RISE (°F)	24	19	17
80	700	DISCHARGE PRESSURE (PSIG)	403	383	371
		DISCHARGE TEMPERATURE (°F)	158	169	179
		DISCHARGE SUPERHEAT (°F)	41	56	67
		SUCTION PRESSURE (PSIG)	138	113	101
		SUCTION TEMPERATURE (°F)	55	42	36
		SUCTION SUPERHEAT (°F)	7	5	4
		OUTDOOR UNIT CURRENT (A)	10.0	10.0	9.9
		COMPRESSOR CURRENT (A)	8.6	8.5	8.4
		INDOOR COIL TEMP RISE (°F)	34	29	27
	900	DISCHARGE PRESSURE (PSIG)	368	348	340
		DISCHARGE TEMPERATURE (°F)	149	159	172
		DISCHARGE SUPERHEAT (°F)	39	53	67
		SUCTION PRESSURE (PSIG)	136	110	96
		SUCTION TEMPERATURE (°F)	55	42	35
		SUCTION SUPERHEAT (°F)	8	6	6
		OUTDOOR UNIT CURRENT (A)	9.3	9.2	9.3
		COMPRESSOR CURRENT (A)	7.8	7.7	7.8
		INDOOR COIL TEMP RISE (°F)	27	23	21
	1100	DISCHARGE PRESSURE (PSIG)	346	329	318
		DISCHARGE TEMPERATURE (°F)	143	157	169
		DISCHARGE SUPERHEAT (°F)	38	55	69
		SUCTION PRESSURE (PSIG)	136	106	90
		SUCTION TEMPERATURE (°F)	55	42	34
		SUCTION SUPERHEAT (°F)	8	8	8
		OUTDOOR UNIT CURRENT (A)	8.8	8.8	8.8
		COMPRESSOR CURRENT (A)	7.3	7.4	7.4
		INDOOR COIL TEMP RISE (°F)	23	19	16

Standard heating high-speed service data for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

PHE6B36/PHG6B36 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	296 (40)	315 (41)	335 (42)	357 (44)	378 (46)
47	274 (43)	294 (45)	313 (47)	335 (49)	357 (51)
40	263 (47)	282 (49)	302 (51)	323 (54)	345 (56)
30	252 (53)	271 (56)	291 (58)	312 (62)	334 (65)
17	233 (64)	253 (69)	272 (74)	292 (77)	311 (79)

PHE6B36/PHG6B36 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
60	1000	DISCHARGE PRESSURE (PSIG)	321	296	281	267	267	235
		DISCHARGE TEMPERATURE (°F)	141	139	139	142	154	163
		DISCHARGE SUPERHEAT(°F)	40	44	47	54	66	84
		SUCTION PRESSURE (PSIG)	127	102	88	72	61	43
		SUCTION TEMPERATURE(°F)	54	40	33	22	18	6
		SUCTION SUPERHEAT (°F)	10	8	8	6	9	10
		OUTDOOR UNIT CURRENT (A)	10.7	10.1	9.8	9.6	9.6	8.8
		COMPRESSOR CURRENT (A)	9.2	8.6	8.4	8.1	8.1	7.3
		INDOOR COIL TEMP RISE (°F)	36	30	27	23	21	15
	1200	DISCHARGE PRESSURE (PSIG)	296	274	263	252	233	226
		DISCHARGE TEMPERATURE (°F)	135	133	134	137	143	155
		DISCHARGE SUPERHEAT(°F)	40	43	47	53	64	78
		SUCTION PRESSURE (PSIG)	126	100	87	72	56	44
		SUCTION TEMPERATURE(°F)	54	40	33	23	14	6
		SUCTION SUPERHEAT (°F)	11	9	8	7	9	9
		OUTDOOR UNIT CURRENT (A)	10.1	9.6	9.4	9.2	8.7	8.5
		COMPRESSOR CURRENT (A)	8.6	8.1	7.9	7.7	7.2	7.0
		INDOOR COIL TEMP RISE (°F)	31	25	23	19	15	13
	1400	DISCHARGE PRESSURE (PSIG)	279	259	251	241	226	220
		DISCHARGE TEMPERATURE (°F)	131	126	130	133	139	149
		DISCHARGE SUPERHEAT(°F)	40	40	46	52	62	73
		SUCTION PRESSURE (PSIG)	125	100	86	71	56	46
		SUCTION TEMPERATURE(°F)	53	38	33	24	14	6
		SUCTION SUPERHEAT (°F)	11	7	9	8	8	9
OUTDOOR UNIT CURRENT (A)		9.7	9.3	9.1	8.9	8.5	8.4	
COMPRESSOR CURRENT (A)		8.3	7.8	7.6	7.4	7.0	6.9	
INDOOR COIL TEMP RISE (°F)		27	22	20	17	13	11	



## PHE6B36/PHG6B36 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)						
			60	47	40	30	17	10
70	1000	DISCHARGE PRESSURE (PSIG)	362	335	321	307	281	272
		DISCHARGE TEMPERATURE (°F)	152	151	153	158	165	184
		DISCHARGE SUPERHEAT(°F)	43	47	52	60	73	94
		SUCTION PRESSURE (PSIG)	128	102	88	73	56	43
		SUCTION TEMPERATURE(°F)	54	41	33	23	14	6
		SUCTION SUPERHEAT (°F)	10	8	8	6	9	10
		OUTDOOR UNIT CURRENT (A)	11.6	11.0	10.8	10.6	10.0	9.7
		COMPRESSOR CURRENT (A)	10.1	9.6	9.3	9.1	8.5	8.2
		INDOOR COIL TEMP RISE (°F)	35	29	26	23	18	15
	1200	DISCHARGE PRESSURE (PSIG)	335	313	302	291	272	263
		DISCHARGE TEMPERATURE (°F)	146	146	148	152	163	175
		DISCHARGE SUPERHEAT(°F)	42	47	51	58	74	88
		SUCTION PRESSURE (PSIG)	127	101	88	72	55	44
		SUCTION TEMPERATURE(°F)	54	41	33	23	13	6
		SUCTION SUPERHEAT (°F)	11	9	8	7	9	9
		OUTDOOR UNIT CURRENT (A)	11.0	10.5	10.3	10.1	9.8	9.5
		COMPRESSOR CURRENT (A)	9.5	9.1	8.9	8.7	8.3	8.0
		INDOOR COIL TEMP RISE (°F)	30	25	22	19	15	13
	1400	DISCHARGE PRESSURE (PSIG)	317	297	289	279	265	257
		DISCHARGE TEMPERATURE (°F)	142	139	144	148	161	169
		DISCHARGE SUPERHEAT(°F)	42	43	50	57	74	84
		SUCTION PRESSURE (PSIG)	126	101	86	73	54	46
		SUCTION TEMPERATURE(°F)	54	39	33	24	13	6
		SUCTION SUPERHEAT (°F)	11	7	9	8	9	9
		OUTDOOR UNIT CURRENT (A)	10.6	10.2	10.0	9.9	9.6	9.4
		COMPRESSOR CURRENT (A)	9.1	8.7	8.6	8.4	8.1	7.9
		INDOOR COIL TEMP RISE (°F)	26	21	19	17	13	11
80	1000	DISCHARGE PRESSURE (PSIG)	406	379	364	351	324	314
		DISCHARGE TEMPERATURE (°F)	164	165	167	174	186	204
		DISCHARGE SUPERHEAT(°F)	47	52	57	67	84	105
		SUCTION PRESSURE (PSIG)	129	103	89	74	55	43
		SUCTION TEMPERATURE(°F)	54	41	33	23	14	6
		SUCTION SUPERHEAT (°F)	10	8	8	6	9	10
		OUTDOOR UNIT CURRENT (A)	12.6	12.1	11.9	11.6	11.0	10.6
		COMPRESSOR CURRENT (A)	11.2	10.7	10.4	10.1	9.5	9.1
		INDOOR COIL TEMP RISE (°F)	34	29	26	22	18	15
	1200	DISCHARGE PRESSURE (PSIG)	378	357	345	334	311	304
		DISCHARGE TEMPERATURE (°F)	158	159	162	168	178	196
		DISCHARGE SUPERHEAT(°F)	46	51	56	65	79	99
		SUCTION PRESSURE (PSIG)	128	102	88	73	57	44
		SUCTION TEMPERATURE(°F)	54	41	34	24	15	6
		SUCTION SUPERHEAT (°F)	11	9	8	7	9	9
		OUTDOOR UNIT CURRENT (A)	12.0	11.6	11.4	11.2	10.7	10.4
		COMPRESSOR CURRENT (A)	10.5	10.1	9.9	9.7	9.2	8.9
		INDOOR COIL TEMP RISE (°F)	29	24	22	19	15	13
	1400	DISCHARGE PRESSURE (PSIG)	361	339	331	321	304	298
		DISCHARGE TEMPERATURE (°F)	154	152	157	163	175	190
		DISCHARGE SUPERHEAT(°F)	45	48	55	63	79	94
		SUCTION PRESSURE (PSIG)	128	102	88	73	56	46
		SUCTION TEMPERATURE(°F)	55	39	34	25	14	6
		SUCTION SUPERHEAT (°F)	11	7	9	8	9	9
		OUTDOOR UNIT CURRENT (A)	11.6	11.1	11.0	10.9	10.5	10.3
		COMPRESSOR CURRENT (A)	10.1	9.7	9.6	9.4	9.0	8.8
		INDOOR COIL TEMP RISE (°F)	25	21	19	16	13	11

Extended heating high-speed service data  
for use with models:

**PHE6B3624**

**PHE6B3634**

**PHE6B3644**

**PHG6B361002X4**

SIZE (TONS)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY & KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
3	1000	60	MBH	6.5	11.0	15.6	21.1	27.2	30.6	34.2	38.5
			KW	1.9	2.0	2.0	2.1	2.2	2.3	2.4	2.5
		70	MBH	8.0	11.1	15.5	20.9	26.8	30.0	33.4	37.4
			KW	2.1	2.2	2.3	2.3	2.5	3.1	2.6	2.7
		80	MBH	8.1	11.2	15.4	20.6	26.3	29.3	32.5	36.2
			KW	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
	1200	60	MBH	9.3	12.4	16.7	22.0	27.4	31.3	35.4	40.4
			KW	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.4
		70	MBH	9.4	12.6	16.5	21.7	27.1	30.6	34.6	39.3
			KW	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6
		80	MBH	9.6	12.6	16.5	21.5	26.7	30.0	33.7	38.1
			KW	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9
	1400	60	MBH	10.7	13.7	17.6	22.3	27.5	31.8	36.6	42.3
			KW	2.0	2.0	2.0	2.1	2.2	2.2	2.3	2.4
		70	MBH	10.8	13.7	17.5	22.1	27.2	31.1	35.7	41.1
			KW	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.6
		80	MBH	11.0	13.8	17.4	21.8	27.1	30.5	34.8	40.1
			KW	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8

Standard cooling low-speed service data  
for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	197(35)	199(34)	203(33)	208(31)
60	212(36)	215(35)	219(33)	224(31)
65	228(38)	230(36)	235(33)	241(31)
70	246(37)	247(36)	252(33)	258(31)
75	263(37)	264(36)	269(33)	275(31)
80	282(37)	283(37)	288(34)	293(31)
85	301(37)	302(37)	307(34)	312(31)
90	324(38)	324(38)	329(35)	335(32)
95	346(40)	346(40)	351(36)	357(33)
100	373(42)	373(42)	378(39)	384(36)
105	400(45)	400(45)	405(41)	411(38)
110	427(47)	427(47)	432(44)	439(40)
115	454(50)	454(50)	459(47)	466(43)
120	482(53)	483(53)	486(50)	494(46)
125	510(55)	511(55)	514(53)	522(49)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1050	DISCHARGE PRESSURE (PSIG)	195	229	263	301	345	397	450	498
		DISCHARGE TEMPERATURE (°F)	99	115	124	134	147	163	179	194
		DISCHARGE SUPERHEAT (°F)	31	37	38	38	41	47	53	61
		SUCTION PRESSURE (PSIG)	125	125	128	132	136	137	140	148
		SUCTION TEMPERATURE (°F)	52	52	53	53	53	54	55	55
		SUCTION SUPERHEAT (°F)	9	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	8.1	9.0	9.9	10.8	12.0	13.6	15.3	16.7
		COMPRESSOR CURRENT (A)	6.7	7.6	8.4	9.4	10.6	12.2	13.9	15.3
		INDOOR COIL DB TEMP DROP (°F)	25	26	25	24	23	24	24	21
	1250	DISCHARGE PRESSURE (PSIG)	199	230	264	302	346	398	452	507
		DISCHARGE TEMPERATURE (°F)	104	114	124	133	146	162	178	194
		DISCHARGE SUPERHEAT (°F)	34	36	36	37	40	46	52	59
		SUCTION PRESSURE (PSIG)	127	129	132	136	139	141	143	147
		SUCTION TEMPERATURE (°F)	54	54	54	55	54	55	57	59
		SUCTION SUPERHEAT (°F)	11	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	8.2	9.0	9.8	10.8	12.0	13.6	15.3	17.1
		COMPRESSOR CURRENT (A)	6.8	7.6	8.4	9.4	10.6	12.2	13.8	15.6
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	22	22	21
	1450	DISCHARGE PRESSURE (PSIG)	200	232	266	303	347	400	453	508
		DISCHARGE TEMPERATURE (°F)	106	114	123	133	145	161	177	196
		DISCHARGE SUPERHEAT (°F)	36	35	36	37	39	45	51	61
		SUCTION PRESSURE (PSIG)	131	132	135	138	141	143	146	150
		SUCTION TEMPERATURE (°F)	58	55	56	55	55	56	58	64
		SUCTION SUPERHEAT (°F)	12	10	9	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	8.2	9.0	9.8	10.8	12.0	13.6	15.3	17.0
		COMPRESSOR CURRENT (A)	6.7	7.5	8.4	9.3	10.6	12.2	13.8	15.6
		INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	21	20	19

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1050	DISCHARGE PRESSURE (PSIG)	192	226	261	299	344	396	451	500
		DISCHARGE TEMPERATURE (°F)	101	117	126	135	147	163	179	190
		DISCHARGE SUPERHEAT (°F)	34	40	39	39	42	47	53	56
		SUCTION PRESSURE (PSIG)	117	116	122	129	133	136	141	156
		SUCTION TEMPERATURE (°F)	49	49	50	52	52	54	56	58
		SUCTION SUPERHEAT (°F)	10	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	8.2	9.1	9.9	10.8	12.1	13.6	15.3	16.6
		COMPRESSOR CURRENT (A)	6.8	7.7	8.5	9.4	10.6	12.2	13.9	15.2
	INDOOR COIL DB TEMP DROP (°F)	32	33	32	30	29	29	28	23	
	1250	DISCHARGE PRESSURE (PSIG)	197	228	263	301	346	400	454	510
		DISCHARGE TEMPERATURE (°F)	103	115	124	134	146	161	176	190
		DISCHARGE SUPERHEAT (°F)	35	38	37	37	40	45	50	55
		SUCTION PRESSURE (PSIG)	121	123	129	135	140	143	148	154
		SUCTION TEMPERATURE (°F)	51	52	53	54	54	56	59	62
		SUCTION SUPERHEAT (°F)	10	10	9	7	6	6	7	8
		OUTDOOR UNIT CURRENT (A)	8.3	9.0	9.9	10.8	12.0	13.6	15.3	17.0
		COMPRESSOR CURRENT (A)	6.9	7.6	8.4	9.4	10.6	12.2	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	31	30	28	26	25	26	25	23	
	1450	DISCHARGE PRESSURE (PSIG)	199	230	265	304	348	402	457	512
		DISCHARGE TEMPERATURE (°F)	105	114	123	133	144	160	175	193
		DISCHARGE SUPERHEAT (°F)	36	36	36	36	38	43	48	57
		SUCTION PRESSURE (PSIG)	128	128	134	140	145	148	154	159
		SUCTION TEMPERATURE (°F)	55	54	55	56	56	58	61	68
		SUCTION SUPERHEAT (°F)	12	10	9	7	6	6	7	12
OUTDOOR UNIT CURRENT (A)		8.2	9.0	9.8	10.8	12.0	13.6	15.2	17.0	
COMPRESSOR CURRENT (A)		6.8	7.6	8.4	9.3	10.5	12.1	13.8	15.5	
INDOOR COIL DB TEMP DROP (°F)	28	27	25	24	23	23	22	20		
80/62	1050	DISCHARGE PRESSURE (PSIG)	195	229	263	300	344	397	451	501
		DISCHARGE TEMPERATURE (°F)	99	115	124	134	147	163	178	190
		DISCHARGE SUPERHEAT (°F)	31	37	37	38	41	47	53	56
		SUCTION PRESSURE (PSIG)	126	125	129	132	135	137	141	156
		SUCTION TEMPERATURE (°F)	52	52	53	53	53	54	56	58
		SUCTION SUPERHEAT (°F)	9	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	8.1	9.0	9.9	10.8	12.0	13.6	15.3	16.7
		COMPRESSOR CURRENT (A)	6.7	7.6	8.4	9.4	10.6	12.2	13.9	15.2
	INDOOR COIL DB TEMP DROP (°F)	30	30	29	28	28	29	28	23	
	1250	DISCHARGE PRESSURE (PSIG)	199	230	264	302	346	400	454	511
		DISCHARGE TEMPERATURE (°F)	103	114	124	134	146	161	176	191
		DISCHARGE SUPERHEAT (°F)	34	36	36	37	40	45	50	55
		SUCTION PRESSURE (PSIG)	127	129	132	135	140	143	148	155
		SUCTION TEMPERATURE (°F)	54	54	54	54	54	56	59	62
		SUCTION SUPERHEAT (°F)	11	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	8.2	9.0	9.8	10.8	12.0	13.6	15.3	17.0
		COMPRESSOR CURRENT (A)	6.8	7.6	8.4	9.4	10.6	12.2	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	28	28	27	26	25	26	25	23	
	1450	DISCHARGE PRESSURE (PSIG)	200	232	265	304	348	402	457	512
		DISCHARGE TEMPERATURE (°F)	106	114	123	133	144	160	175	192
		DISCHARGE SUPERHEAT (°F)	36	35	36	36	38	43	48	57
		SUCTION PRESSURE (PSIG)	132	132	135	140	145	149	154	159
		SUCTION TEMPERATURE (°F)	58	55	55	56	56	58	61	67
		SUCTION SUPERHEAT (°F)	12	10	9	7	6	6	7	11
OUTDOOR UNIT CURRENT (A)		8.2	9.0	9.8	10.8	12.0	13.6	15.2	17.0	
COMPRESSOR CURRENT (A)		6.7	7.5	8.4	9.3	10.5	12.1	13.8	15.5	
INDOOR COIL DB TEMP DROP (°F)	26	26	25	24	23	23	22	20		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1050	DISCHARGE PRESSURE (PSIG)	199	233	268	305	350	403	457	504
		DISCHARGE TEMPERATURE (°F)	98	113	123	132	144	160	175	188
		DISCHARGE SUPERHEAT (°F)	29	34	34	35	37	43	48	54
		SUCTION PRESSURE (PSIG)	138	137	141	145	148	150	153	161
		SUCTION TEMPERATURE (°F)	57	57	58	58	58	59	60	59
		SUCTION SUPERHEAT (°F)	9	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	8.0	8.9	9.8	10.7	12.0	13.5	15.2	16.7
		COMPRESSOR CURRENT (A)	6.6	7.5	8.3	9.3	10.5	12.1	13.8	15.2
	INDOOR COIL DB TEMP DROP (°F)	25	26	25	24	23	24	24	22	
	1250	DISCHARGE PRESSURE (PSIG)	203	235	269	307	351	405	459	514
		DISCHARGE TEMPERATURE (°F)	103	113	122	131	143	159	174	189
		DISCHARGE SUPERHEAT (°F)	33	33	33	34	36	41	47	53
		SUCTION PRESSURE (PSIG)	139	141	145	148	151	154	156	160
		SUCTION TEMPERATURE (°F)	59	59	59	59	59	60	62	63
		SUCTION SUPERHEAT (°F)	11	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	8.1	8.9	9.7	10.7	11.9	13.5	15.2	17.0
		COMPRESSOR CURRENT (A)	6.7	7.5	8.3	9.3	10.5	12.1	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	24	23	23	22	21	22	22	21	
	1450	DISCHARGE PRESSURE (PSIG)	204	237	271	308	352	406	460	513
		DISCHARGE TEMPERATURE (°F)	106	113	122	131	143	158	173	191
		DISCHARGE SUPERHEAT (°F)	35	33	33	33	35	41	46	56
		SUCTION PRESSURE (PSIG)	144	145	148	151	154	156	159	161
		SUCTION TEMPERATURE (°F)	63	60	61	60	60	61	63	68
		SUCTION SUPERHEAT (°F)	13	10	9	7	6	6	7	11
OUTDOOR UNIT CURRENT (A)		8.0	8.8	9.7	10.7	11.9	13.5	15.2	17.0	
COMPRESSOR CURRENT (A)		6.6	7.4	8.3	9.2	10.5	12.1	13.8	15.5	
INDOOR COIL DB TEMP DROP (°F)	22	21	21	20	20	21	20	20		
80/72	1050	DISCHARGE PRESSURE (PSIG)	204	239	273	311	356	410	464	512
		DISCHARGE TEMPERATURE (°F)	98	112	121	130	142	157	172	184
		DISCHARGE SUPERHEAT (°F)	27	32	32	32	34	39	44	49
		SUCTION PRESSURE (PSIG)	151	149	153	157	161	163	166	175
		SUCTION TEMPERATURE (°F)	62	62	63	63	62	64	65	64
		SUCTION SUPERHEAT (°F)	9	10	9	7	6	6	7	2
		OUTDOOR UNIT CURRENT (A)	7.9	8.8	9.6	10.6	11.9	13.5	15.2	16.6
		COMPRESSOR CURRENT (A)	6.5	7.4	8.2	9.2	10.4	12.0	13.8	15.2
	INDOOR COIL DB TEMP DROP (°F)	21	22	21	19	19	19	19	17	
	1250	DISCHARGE PRESSURE (PSIG)	208	241	275	312	357	411	466	522
		DISCHARGE TEMPERATURE (°F)	103	112	121	130	141	157	171	186
		DISCHARGE SUPERHEAT (°F)	31	31	31	31	33	38	43	49
		SUCTION PRESSURE (PSIG)	152	154	158	161	165	167	170	174
		SUCTION TEMPERATURE (°F)	65	64	64	64	64	65	67	68
		SUCTION SUPERHEAT (°F)	11	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	8.0	8.8	9.6	10.6	11.8	13.5	15.2	17.0
		COMPRESSOR CURRENT (A)	6.5	7.3	8.2	9.1	10.4	12.0	13.7	15.6
	INDOOR COIL DB TEMP DROP (°F)	20	19	18	17	17	17	17	16	
	1450	DISCHARGE PRESSURE (PSIG)	209	242	276	314	359	413	467	521
		DISCHARGE TEMPERATURE (°F)	106	112	121	130	141	156	171	187
		DISCHARGE SUPERHEAT (°F)	34	30	30	31	32	37	42	51
		SUCTION PRESSURE (PSIG)	156	158	161	164	168	170	173	175
		SUCTION TEMPERATURE (°F)	68	65	65	65	65	66	68	72
		SUCTION SUPERHEAT (°F)	13	10	9	7	6	6	7	11
OUTDOOR UNIT CURRENT (A)		7.9	8.7	9.6	10.6	11.8	13.4	15.1	16.9	
COMPRESSOR CURRENT (A)		6.5	7.3	8.1	9.1	10.4	12.0	13.7	15.5	
INDOOR COIL DB TEMP DROP (°F)	18	17	17	16	16	16	16	15		

Extended cooling low-speed service data  
for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	1050	DISCHARGE PRESSURE (PSIG)	229	263	300	345	397	451	498
		DISCHARGE TEMPERATURE (°F)	115	125	134	147	163	179	194
		DISCHARGE SUPERHEAT (°F)	37	38	38	41	47	54	61
		SUCTION PRESSURE (PSIG)	125	128	132	135	137	140	148
		SUCTION TEMPERATURE (°F)	52	53	53	53	54	55	55
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	9.2	10.0	10.9	12.2	13.7	15.4	16.8
		COMPRESSOR CURRENT (A)	7.6	8.4	9.4	10.6	12.2	13.9	15.3
		INDOOR COIL DB TEMP DROP (°F)	21	20	19	19	19	19	16
	1250	DISCHARGE PRESSURE (PSIG)	230	232	302	346	398	452	507
		DISCHARGE TEMPERATURE (°F)	115	114	134	146	162	178	194
		DISCHARGE SUPERHEAT (°F)	36	35	37	40	46	52	59
		SUCTION PRESSURE (PSIG)	129	132	136	139	140	143	147
		SUCTION TEMPERATURE (°F)	54	54	54	54	55	57	59
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.9	12.1	13.7	15.4	17.2
		COMPRESSOR CURRENT (A)	7.6	8.4	9.4	10.6	12.2	13.9	15.6
		INDOOR COIL DB TEMP DROP (°F)	19	18	17	17	17	17	16
	1450	DISCHARGE PRESSURE (PSIG)	232	263	303	347	400	453	507
		DISCHARGE TEMPERATURE (°F)	114	125	133	145	161	177	196
		DISCHARGE SUPERHEAT (°F)	35	38	37	39	45	51	62
		SUCTION PRESSURE (PSIG)	132	135	138	141	143	146	148
		SUCTION TEMPERATURE (°F)	55	55	55	55	56	58	63
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.9	12.1	13.7	15.4	17.2
		COMPRESSOR CURRENT (A)	7.5	8.4	9.3	10.6	12.2	13.8	15.6
		INDOOR COIL DB TEMP DROP (°F)	17	17	16	15	16	16	15

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1050	DISCHARGE PRESSURE (PSIG)	233	268	305	350	403	457	505
		DISCHARGE TEMPERATURE (°F)	114	123	132	144	160	175	189
		DISCHARGE SUPERHEAT (°F)	34	35	35	37	43	49	55
		SUCTION PRESSURE (PSIG)	136	140	144	147	149	152	161
		SUCTION TEMPERATURE (°F)	57	57	58	57	59	60	59
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	9.1	9.9	10.9	12.1	13.7	15.4	16.8
		COMPRESSOR CURRENT (A)	7.5	8.3	9.3	10.5	12.1	13.8	15.3
	INDOOR COIL DB TEMP DROP (°F)	17	16	15	14	14	14	12	
	1250	DISCHARGE PRESSURE (PSIG)	235	269	307	351	405	459	514
		DISCHARGE TEMPERATURE (°F)	113	122	132	143	159	174	190
		DISCHARGE SUPERHEAT (°F)	33	34	34	36	42	47	54
		SUCTION PRESSURE (PSIG)	140	144	148	151	153	156	159
		SUCTION TEMPERATURE (°F)	59	59	59	59	60	61	63
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	12.1	13.7	15.4	17.2
		COMPRESSOR CURRENT (A)	7.5	8.3	9.3	10.5	12.1	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	15	14	13	13	13	12	11	
	1450	DISCHARGE PRESSURE (PSIG)	236	270	308	353	406	460	514
		DISCHARGE TEMPERATURE (°F)	113	122	131	143	159	174	192
		DISCHARGE SUPERHEAT (°F)	33	33	34	36	41	47	56
		SUCTION PRESSURE (PSIG)	144	147	150	153	155	158	160
		SUCTION TEMPERATURE (°F)	60	60	60	60	61	62	67
		SUCTION SUPERHEAT (°F)	10	9	7	6	7	7	11
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.8	12.0	13.6	15.3	17.1
		COMPRESSOR CURRENT (A)	7.4	8.3	9.2	10.5	12.1	13.8	15.6
	INDOOR COIL DB TEMP DROP (°F)	13	13	12	11	11	11	10	
	90/62	1050	DISCHARGE PRESSURE (PSIG)	231	266	305	350	404	459
DISCHARGE TEMPERATURE (°F)			115	123	132	144	159	174	184
DISCHARGE SUPERHEAT (°F)			36	35	35	37	42	47	49
SUCTION PRESSURE (PSIG)			130	136	143	148	152	157	175
SUCTION TEMPERATURE (°F)			55	56	57	58	60	62	64
SUCTION SUPERHEAT (°F)			10	9	7	6	6	7	3
OUTDOOR UNIT CURRENT (A)			9.1	9.9	10.8	12.1	13.6	15.3	16.6
COMPRESSOR CURRENT (A)			7.6	8.4	9.3	10.5	12.1	13.8	15.1
INDOOR COIL DB TEMP DROP (°F)		37	35	33	32	33	32	27	
1250		DISCHARGE PRESSURE (PSIG)	234	269	308	353	407	463	520
		DISCHARGE TEMPERATURE (°F)	113	122	131	142	158	172	185
		DISCHARGE SUPERHEAT (°F)	34	34	33	35	40	44	49
		SUCTION PRESSURE (PSIG)	137	144	151	156	160	166	173
		SUCTION TEMPERATURE (°F)	57	59	60	60	62	65	68
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.8	12.0	13.6	15.3	17.1
		COMPRESSOR CURRENT (A)	7.5	8.3	9.2	10.5	12.1	13.7	15.5
INDOOR COIL DB TEMP DROP (°F)		33	31	30	29	29	28	26	
1450		DISCHARGE PRESSURE (PSIG)	236	271	310	356	411	467	522
		DISCHARGE TEMPERATURE (°F)	113	121	130	142	157	171	187
		DISCHARGE SUPERHEAT (°F)	33	32	32	34	38	42	50
		SUCTION PRESSURE (PSIG)	143	150	157	162	166	172	179
		SUCTION TEMPERATURE (°F)	60	61	63	63	65	67	74
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.7	12.0	13.6	15.3	17.0
		COMPRESSOR CURRENT (A)	7.4	8.2	9.2	10.4	12.0	13.7	15.4
INDOOR COIL DB TEMP DROP (°F)		30	28	27	26	26	26	23	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1050	DISCHARGE PRESSURE (PSIG)	234	268	305	350	404	459	510
		DISCHARGE TEMPERATURE (°F)	113	122	132	144	159	174	184
		DISCHARGE SUPERHEAT (°F)	34	34	35	37	42	47	49
		SUCTION PRESSURE (PSIG)	137	141	144	148	152	158	175
		SUCTION TEMPERATURE (°F)	57	58	58	58	60	62	64
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	3
		OUTDOOR UNIT CURRENT (A)	9.0	9.9	10.8	12.1	13.6	15.3	16.7
		COMPRESSOR CURRENT (A)	7.5	8.3	9.3	10.5	12.1	13.8	15.1
		INDOOR COIL DB TEMP DROP (°F)	35	34	33	32	33	32	27
	1250	DISCHARGE PRESSURE (PSIG)	235	269	308	353	408	463	521
		DISCHARGE TEMPERATURE (°F)	113	122	131	142	158	172	185
		DISCHARGE SUPERHEAT (°F)	33	34	33	35	40	44	49
		SUCTION PRESSURE (PSIG)	142	144	151	156	160	166	173
		SUCTION TEMPERATURE (°F)	59	59	60	61	63	65	68
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.8	12.0	13.6	15.3	17.1
		COMPRESSOR CURRENT (A)	7.4	8.3	9.2	10.5	12.1	13.7	15.5
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	29	28	26
	1450	DISCHARGE PRESSURE (PSIG)	236	271	310	356	411	467	522
		DISCHARGE TEMPERATURE (°F)	113	121	130	142	157	171	187
		DISCHARGE SUPERHEAT (°F)	33	32	32	34	38	42	50
		SUCTION PRESSURE (PSIG)	144	150	157	162	166	172	179
		SUCTION TEMPERATURE (°F)	60	61	63	63	65	67	74
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	9.0	9.8	10.7	12.0	13.6	15.3	17.0
		COMPRESSOR CURRENT (A)	7.4	8.2	9.2	10.4	12.0	13.7	15.4
		INDOOR COIL DB TEMP DROP (°F)	30	28	27	26	26	26	23
	90/72	1050	DISCHARGE PRESSURE (PSIG)	239	273	311	356	409	464
DISCHARGE TEMPERATURE (°F)			112	121	130	142	157	172	184
DISCHARGE SUPERHEAT (°F)			32	32	32	34	39	44	49
SUCTION PRESSURE (PSIG)			150	154	158	161	164	167	175
SUCTION TEMPERATURE (°F)			62	63	63	62	64	65	64
SUCTION SUPERHEAT (°F)			10	9	7	6	6	7	2
OUTDOOR UNIT CURRENT (A)			8.9	9.8	10.7	12.0	13.6	15.3	16.7
COMPRESSOR CURRENT (A)			7.4	8.2	9.2	10.4	12.0	13.7	15.2
INDOOR COIL DB TEMP DROP (°F)			30	30	28	28	29	29	27
1250		DISCHARGE PRESSURE (PSIG)	241	275	312	357	411	466	522
		DISCHARGE TEMPERATURE (°F)	112	121	130	141	156	171	185
		DISCHARGE SUPERHEAT (°F)	31	31	31	33	38	43	48
		SUCTION PRESSURE (PSIG)	155	158	162	165	168	170	174
		SUCTION TEMPERATURE (°F)	64	64	64	64	65	67	68
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	7
		OUTDOOR UNIT CURRENT (A)	8.9	9.7	10.7	11.9	13.6	15.3	17.1
		COMPRESSOR CURRENT (A)	7.3	8.2	9.1	10.4	12.0	13.7	15.5
		INDOOR COIL DB TEMP DROP (°F)	28	27	26	26	27	27	26
1450		DISCHARGE PRESSURE (PSIG)	242	276	313	358	412	467	522
		DISCHARGE TEMPERATURE (°F)	112	120	130	141	156	171	186
		DISCHARGE SUPERHEAT (°F)	30	30	31	32	37	42	49
		SUCTION PRESSURE (PSIG)	159	161	165	168	170	173	179
		SUCTION TEMPERATURE (°F)	66	65	65	65	66	68	74
		SUCTION SUPERHEAT (°F)	10	9	7	6	6	7	11
		OUTDOOR UNIT CURRENT (A)	8.8	9.7	10.7	11.9	13.5	15.3	17.0
		COMPRESSOR CURRENT (A)	7.3	8.1	9.1	10.4	12.0	13.7	15.4
		INDOOR COIL DB TEMP DROP (°F)	26	25	24	24	25	25	23



Standard cooling high-speed service data for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	204(33)	209(38)	212(35)	217(32)
60	221(35)	224(38)	229(35)	234(33)
65	239(38)	240(37)	246(35)	251(34)
70	258(39)	259(38)	265(37)	271(35)
75	277(40)	278(40)	284(38)	290(36)
80	298(42)	299(41)	305(39)	311(37)
85	318(43)	319(43)	325(41)	332(39)
90	339(45)	340(45)	347(42)	353(40)
95	360(47)	361(46)	368(43)	374(41)
100	386(48)	386(47)	392(45)	399(42)
105	412(49)	412(48)	417(46)	424(44)
110	440(51)	440(51)	444(49)	451(46)
115	468(53)	468(53)	472(51)	479(48)
120	497(57)	498(56)	501(54)	509(51)
125	527(60)	528(59)	531(57)	539(53)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1350	DISCHARGE PRESSURE (PSIG)	207	239	277	318	360	409	464	524
		DISCHARGE TEMPERATURE (°F)	110	118	131	144	156	168	183	199
		DISCHARGE SUPERHEAT (°F)	39	38	40	44	47	50	55	62
		SUCTION PRESSURE (PSIG)	123	127	128	130	130	138	140	142
		SUCTION TEMPERATURE (°F)	55	55	54	54	55	57	58	55
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	6
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	13.0	14.3	15.7	17.5	19.5	21.9
		COMPRESSOR CURRENT (A)	9.3	10.3	11.5	12.8	14.2	15.9	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	25	25	26	25	23	23	23	22
	1550	DISCHARGE PRESSURE (PSIG)	209	240	278	319	362	411	465	524
		DISCHARGE TEMPERATURE (°F)	110	118	130	143	155	168	183	199
		DISCHARGE SUPERHEAT (°F)	38	37	40	43	46	49	55	62
		SUCTION PRESSURE (PSIG)	127	131	131	133	133	140	143	145
		SUCTION TEMPERATURE (°F)	56	56	55	55	56	58	59	59
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.0	14.3	15.8	17.5	19.6	22.0
		COMPRESSOR CURRENT (A)	9.3	10.3	11.5	12.8	14.2	15.9	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	23	23	24	24	21	22	22	21
	1750	DISCHARGE PRESSURE (PSIG)	210	241	279	321	363	411	466	529
		DISCHARGE TEMPERATURE (°F)	110	118	130	143	155	167	182	196
		DISCHARGE SUPERHEAT (°F)	38	37	39	43	45	49	54	58
		SUCTION PRESSURE (PSIG)	129	133	134	135	136	142	145	145
		SUCTION TEMPERATURE (°F)	57	57	56	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.1	14.4	15.8	17.5	19.6	22.2
		COMPRESSOR CURRENT (A)	9.3	10.3	11.5	12.8	14.2	16.0	18.0	20.6
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	20	21	21	21

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1350	DISCHARGE PRESSURE (PSIG)	202	236	275	316	357	409	465	524
		DISCHARGE TEMPERATURE (°F)	104	119	131	144	156	168	183	199
		DISCHARGE SUPERHEAT (°F)	34	39	41	45	48	50	55	62
		SUCTION PRESSURE (PSIG)	116	121	123	125	125	137	143	146
		SUCTION TEMPERATURE (°F)	49	52	52	52	53	57	59	58
		SUCTION SUPERHEAT (°F)	10	11	10	9	10	10	9	6
		OUTDOOR UNIT CURRENT (A)	10.6	11.7	12.9	14.3	15.7	17.4	19.6	22.0
		COMPRESSOR CURRENT (A)	9.1	10.2	11.4	12.7	14.1	15.9	18.0	20.4
	INDOOR COIL DB TEMP DROP (°F)	32	32	32	32	29	28	27	25	
	1550	DISCHARGE PRESSURE (PSIG)	204	239	277	318	360	412	468	527
		DISCHARGE TEMPERATURE (°F)	104	118	131	144	156	167	182	198
		DISCHARGE SUPERHEAT (°F)	33	38	40	43	47	49	53	60
		SUCTION PRESSURE (PSIG)	122	126	129	131	130	143	149	152
		SUCTION TEMPERATURE (°F)	52	54	54	54	55	59	61	62
		SUCTION SUPERHEAT (°F)	10	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	10.7	11.8	13.0	14.3	15.7	17.5	19.7	22.1
		COMPRESSOR CURRENT (A)	9.2	10.3	11.5	12.8	14.2	16.0	18.1	20.5
	INDOOR COIL DB TEMP DROP (°F)	29	29	29	29	26	26	24	23	
	1750	DISCHARGE PRESSURE (PSIG)	206	241	279	321	362	414	470	533
		DISCHARGE TEMPERATURE (°F)	104	118	130	143	155	167	181	195
		DISCHARGE SUPERHEAT (°F)	33	37	39	42	46	47	52	56
		SUCTION PRESSURE (PSIG)	126	131	133	136	134	148	154	153
		SUCTION TEMPERATURE (°F)	53	56	56	56	57	61	63	65
		SUCTION SUPERHEAT (°F)	10	11	10	9	10	10	9	12
OUTDOOR UNIT CURRENT (A)		10.8	11.9	13.1	14.4	15.8	17.6	19.7	22.3	
COMPRESSOR CURRENT (A)		9.2	10.3	11.5	12.8	14.2	16.0	18.2	20.8	
INDOOR COIL DB TEMP DROP (°F)	26	27	27	26	24	23	22	22		
80/62	1350	DISCHARGE PRESSURE (PSIG)	207	239	277	318	360	409	465	526
		DISCHARGE TEMPERATURE (°F)	110	118	131	144	155	168	183	198
		DISCHARGE SUPERHEAT (°F)	39	37	40	44	47	50	55	61
		SUCTION PRESSURE (PSIG)	124	128	128	130	130	137	143	147
		SUCTION TEMPERATURE (°F)	55	55	54	54	55	57	59	57
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	6
		OUTDOOR UNIT CURRENT (A)	10.8	11.8	13.0	14.3	15.7	17.4	19.6	22.0
		COMPRESSOR CURRENT (A)	9.3	10.3	11.5	12.8	14.2	15.9	18.0	20.5
	INDOOR COIL DB TEMP DROP (°F)	30	30	30	30	27	28	27	25	
	1550	DISCHARGE PRESSURE (PSIG)	209	240	278	319	361	412	468	528
		DISCHARGE TEMPERATURE (°F)	110	118	130	143	155	167	182	197
		DISCHARGE SUPERHEAT (°F)	38	37	40	43	46	48	53	59
		SUCTION PRESSURE (PSIG)	127	131	131	133	133	143	149	153
		SUCTION TEMPERATURE (°F)	56	56	55	55	56	59	61	62
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	10.9	11.8	13.0	14.3	15.8	17.5	19.7	22.1
		COMPRESSOR CURRENT (A)	9.3	10.3	11.5	12.8	14.2	16.0	18.1	20.5
	INDOOR COIL DB TEMP DROP (°F)	28	28	28	28	25	25	24	23	
	1750	DISCHARGE PRESSURE (PSIG)	210	241	280	321	362	414	470	534
		DISCHARGE TEMPERATURE (°F)	110	118	130	143	155	167	181	194
		DISCHARGE SUPERHEAT (°F)	38	37	39	42	46	47	52	56
		SUCTION PRESSURE (PSIG)	130	133	134	136	135	148	154	154
		SUCTION TEMPERATURE (°F)	57	57	56	56	57	61	63	66
		SUCTION SUPERHEAT (°F)	13	11	10	9	10	10	9	12
OUTDOOR UNIT CURRENT (A)		10.9	11.9	13.1	14.4	15.8	17.6	19.7	22.3	
COMPRESSOR CURRENT (A)		9.3	10.3	11.5	12.8	14.2	16.0	18.2	20.8	
INDOOR COIL DB TEMP DROP (°F)	26	26	27	26	24	23	22	22		

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1350	DISCHARGE PRESSURE (PSIG)	211	244	283	324	366	416	470	532
		DISCHARGE TEMPERATURE (°F)	103	118	130	142	154	166	181	196
		DISCHARGE SUPERHEAT (°F)	30	36	38	41	44	47	52	57
		SUCTION PRESSURE (PSIG)	136	140	141	143	143	151	154	156
		SUCTION TEMPERATURE (°F)	57	60	59	59	60	62	63	60
		SUCTION SUPERHEAT (°F)	10	11	10	9	10	10	9	5
		OUTDOOR UNIT CURRENT (A)	10.9	11.9	13.1	14.5	15.9	17.6	19.7	22.3
		COMPRESSOR CURRENT (A)	9.4	10.4	11.6	12.9	14.3	16.1	18.2	20.7
	INDOOR COIL DB TEMP DROP (°F)	24	25	26	25	23	23	23	22	
	1550	DISCHARGE PRESSURE (PSIG)	212	246	284	325	368	417	472	531
		DISCHARGE TEMPERATURE (°F)	108	118	130	142	154	166	180	196
		DISCHARGE SUPERHEAT (°F)	35	35	38	41	43	46	51	57
		SUCTION PRESSURE (PSIG)	139	143	144	146	146	154	157	159
		SUCTION TEMPERATURE (°F)	61	61	60	60	61	64	64	64
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	10.9	12.0	13.2	14.5	15.9	17.7	19.8	22.2
		COMPRESSOR CURRENT (A)	9.4	10.4	11.6	12.9	14.4	16.1	18.2	20.7
	INDOOR COIL DB TEMP DROP (°F)	23	23	24	23	21	22	22	21	
	1750	DISCHARGE PRESSURE (PSIG)	218	247	285	327	369	418	473	536
		DISCHARGE TEMPERATURE (°F)	116	118	130	142	154	166	180	194
		DISCHARGE SUPERHEAT (°F)	41	35	37	40	43	46	51	55
		SUCTION PRESSURE (PSIG)	139	146	147	149	149	156	159	159
		SUCTION TEMPERATURE (°F)	63	62	61	61	62	64	65	67
		SUCTION SUPERHEAT (°F)	15	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	11.1	12.0	13.2	14.5	16.0	17.7	19.8	22.4
		COMPRESSOR CURRENT (A)	9.6	10.4	11.6	13.0	14.4	16.1	18.3	20.9
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	20	21	21	21	
	80/72	1350	DISCHARGE PRESSURE (PSIG)	216	250	288	330	373	422	478
DISCHARGE TEMPERATURE (°F)			106	118	130	142	153	165	179	193
DISCHARGE SUPERHEAT (°F)			32	34	36	39	42	44	49	53
SUCTION PRESSURE (PSIG)			148	153	154	156	157	165	168	171
SUCTION TEMPERATURE (°F)			64	65	64	64	65	68	68	65
SUCTION SUPERHEAT (°F)			12	11	10	9	10	10	9	5
OUTDOOR UNIT CURRENT (A)			11.0	12.1	13.3	14.6	16.1	17.8	20.0	22.7
COMPRESSOR CURRENT (A)			9.5	10.5	11.7	13.1	14.5	16.3	18.4	21.1
INDOOR COIL DB TEMP DROP (°F)		20	21	21	20	19	18	18	17	
1550		DISCHARGE PRESSURE (PSIG)	217	251	290	332	374	424	479	539
		DISCHARGE TEMPERATURE (°F)	107	118	130	142	153	165	179	193
		DISCHARGE SUPERHEAT (°F)	32	34	36	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	152	156	157	160	160	168	171	174
		SUCTION TEMPERATURE (°F)	66	66	65	65	66	69	69	69
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	10	9	8
		OUTDOOR UNIT CURRENT (A)	11.0	12.1	13.3	14.6	16.1	17.9	20.0	22.5
		COMPRESSOR CURRENT (A)	9.5	10.5	11.7	13.1	14.6	16.3	18.5	21.0
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	17	17	17	16	
1750		DISCHARGE PRESSURE (PSIG)	218	252	291	333	376	425	480	543
		DISCHARGE TEMPERATURE (°F)	107	118	129	141	153	164	178	192
		DISCHARGE SUPERHEAT (°F)	32	34	36	38	41	43	48	52
		SUCTION PRESSURE (PSIG)	155	159	160	162	163	171	174	173
		SUCTION TEMPERATURE (°F)	67	67	66	66	67	70	70	72
		SUCTION SUPERHEAT (°F)	12	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	11.1	12.1	13.3	14.7	16.1	17.9	20.1	22.7
		COMPRESSOR CURRENT (A)	9.5	10.5	11.8	13.1	14.6	16.4	18.5	21.2
INDOOR COIL DB TEMP DROP (°F)		17	17	18	17	16	16	16	16	

Extended cooling high-speed service data  
for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	1350	DISCHARGE PRESSURE (PSIG)	239	277	318	360	409	464	524
		DISCHARGE TEMPERATURE (°F)	118	131	144	156	168	183	200
		DISCHARGE SUPERHEAT (°F)	38	40	44	47	50	55	62
		SUCTION PRESSURE (PSIG)	127	128	130	130	137	140	142
		SUCTION TEMPERATURE (°F)	55	54	54	55	57	58	56
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	6
		OUTDOOR UNIT CURRENT (A)	11.8	13.0	14.3	15.7	17.5	19.5	22.0
		COMPRESSOR CURRENT (A)	10.3	11.5	12.8	14.2	15.9	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	19	19	18	17
	1550	DISCHARGE PRESSURE (PSIG)	240	241	319	362	411	466	524
		DISCHARGE TEMPERATURE (°F)	118	118	143	155	168	183	199
		DISCHARGE SUPERHEAT (°F)	37	37	43	46	49	55	62
		SUCTION PRESSURE (PSIG)	130	131	133	133	140	143	145
		SUCTION TEMPERATURE (°F)	56	55	55	56	58	59	59
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	11.8	13.0	14.4	15.8	17.5	19.6	22.0
		COMPRESSOR CURRENT (A)	10.3	11.5	12.8	14.2	15.9	18.0	20.4
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	17	17	17	16
	1750	DISCHARGE PRESSURE (PSIG)	241	277	321	363	412	467	529
		DISCHARGE TEMPERATURE (°F)	118	131	143	155	167	182	196
		DISCHARGE SUPERHEAT (°F)	37	40	43	46	49	54	58
		SUCTION PRESSURE (PSIG)	133	133	135	135	143	145	145
		SUCTION TEMPERATURE (°F)	57	56	56	57	59	60	62
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	12
OUTDOOR UNIT CURRENT (A)		11.9	13.1	14.4	15.8	17.5	19.6	22.2	
COMPRESSOR CURRENT (A)		10.3	11.5	12.8	14.3	16.0	18.1	20.6	
INDOOR COIL DB TEMP DROP (°F)		18	18	18	16	16	16	16	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1350	DISCHARGE PRESSURE (PSIG)	244	282	324	366	416	471	533
		DISCHARGE TEMPERATURE (°F)	118	130	143	154	166	181	196
		DISCHARGE SUPERHEAT (°F)	36	38	41	44	47	52	57
		SUCTION PRESSURE (PSIG)	139	140	142	143	150	153	156
		SUCTION TEMPERATURE (°F)	60	59	59	60	62	63	60
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	5
		OUTDOOR UNIT CURRENT (A)	11.9	13.1	14.5	15.9	17.6	19.8	22.3
		COMPRESSOR CURRENT (A)	10.4	11.6	12.9	14.3	16.1	18.2	20.8
	INDOOR COIL DB TEMP DROP (°F)	16	16	16	14	14	13	13	
	1550	DISCHARGE PRESSURE (PSIG)	245	284	325	368	417	472	532
		DISCHARGE TEMPERATURE (°F)	118	130	142	154	167	181	196
		DISCHARGE SUPERHEAT (°F)	36	38	41	44	48	52	58
		SUCTION PRESSURE (PSIG)	142	143	145	146	153	156	157
		SUCTION TEMPERATURE (°F)	61	60	60	61	64	64	64
		SUCTION SUPERHEAT (°F)	11	10	9	10	11	9	9
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.5	15.9	17.7	19.8	22.3
		COMPRESSOR CURRENT (A)	10.4	11.6	12.9	14.4	16.1	18.3	20.7
	INDOOR COIL DB TEMP DROP (°F)	14	14	14	13	12	12	11	
	1750	DISCHARGE PRESSURE (PSIG)	246	285	327	369	418	473	536
		DISCHARGE TEMPERATURE (°F)	118	130	142	154	166	180	194
		DISCHARGE SUPERHEAT (°F)	35	37	40	43	46	51	55
		SUCTION PRESSURE (PSIG)	145	146	147	148	155	158	157
		SUCTION TEMPERATURE (°F)	62	61	61	62	64	65	67
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.5	16.0	17.7	19.8	22.4
		COMPRESSOR CURRENT (A)	10.4	11.6	13.0	14.4	16.2	18.3	20.9
	INDOOR COIL DB TEMP DROP (°F)	13	13	13	12	11	11	11	
	90/62	1350	DISCHARGE PRESSURE (PSIG)	242	281	323	365	417	474
DISCHARGE TEMPERATURE (°F)			118	130	143	154	166	180	194
DISCHARGE SUPERHEAT (°F)			36	39	42	45	46	50	55
SUCTION PRESSURE (PSIG)			135	138	141	140	154	161	166
SUCTION TEMPERATURE (°F)			58	58	58	59	64	66	64
SUCTION SUPERHEAT (°F)			11	10	9	10	10	9	6
OUTDOOR UNIT CURRENT (A)			11.9	13.1	14.4	15.8	17.7	19.8	22.4
COMPRESSOR CURRENT (A)			10.3	11.6	12.9	14.3	16.1	18.3	20.8
INDOOR COIL DB TEMP DROP (°F)		36	36	35	32	31	30	28	
1550		DISCHARGE PRESSURE (PSIG)	245	284	326	368	420	477	537
		DISCHARGE TEMPERATURE (°F)	118	130	142	154	165	179	194
		DISCHARGE SUPERHEAT (°F)	36	38	40	43	45	49	54
		SUCTION PRESSURE (PSIG)	142	145	147	146	161	168	173
		SUCTION TEMPERATURE (°F)	61	61	61	61	66	68	70
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.5	15.9	17.8	20.0	22.5
		COMPRESSOR CURRENT (A)	10.4	11.6	13.0	14.4	16.2	18.4	20.9
INDOOR COIL DB TEMP DROP (°F)		32	33	32	29	28	27	26	
1750		DISCHARGE PRESSURE (PSIG)	247	287	329	370	423	480	544
		DISCHARGE TEMPERATURE (°F)	118	130	142	153	165	178	192
		DISCHARGE SUPERHEAT (°F)	35	37	40	42	44	48	51
		SUCTION PRESSURE (PSIG)	148	150	153	151	167	174	175
		SUCTION TEMPERATURE (°F)	63	63	63	63	68	70	73
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.6	16.0	17.8	20.1	22.7
		COMPRESSOR CURRENT (A)	10.5	11.7	13.0	14.4	16.3	18.5	21.2
INDOOR COIL DB TEMP DROP (°F)		30	30	29	27	26	25	25	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1350	DISCHARGE PRESSURE (PSIG)	244	283	324	366	417	474	537
		DISCHARGE TEMPERATURE (°F)	118	130	142	154	166	180	194
		DISCHARGE SUPERHEAT (°F)	36	38	41	44	46	50	54
		SUCTION PRESSURE (PSIG)	140	141	143	143	154	161	166
		SUCTION TEMPERATURE (°F)	60	59	59	60	64	66	64
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	5
		OUTDOOR UNIT CURRENT (A)	11.9	13.1	14.5	15.9	17.7	19.8	22.5
		COMPRESSOR CURRENT (A)	10.4	11.6	12.9	14.3	16.1	18.3	20.9
		INDOOR COIL DB TEMP DROP (°F)	34	35	35	31	31	30	29
	1550	DISCHARGE PRESSURE (PSIG)	246	284	326	368	420	477	538
		DISCHARGE TEMPERATURE (°F)	118	130	142	154	165	179	193
		DISCHARGE SUPERHEAT (°F)	35	38	40	43	45	49	54
		SUCTION PRESSURE (PSIG)	143	145	148	146	161	168	174
		SUCTION TEMPERATURE (°F)	61	61	61	61	66	68	70
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.5	15.9	17.8	20.0	22.5
		COMPRESSOR CURRENT (A)	10.4	11.6	13.0	14.4	16.2	18.4	21.0
		INDOOR COIL DB TEMP DROP (°F)	32	33	32	29	28	27	26
	1750	DISCHARGE PRESSURE (PSIG)	247	287	329	370	423	480	544
		DISCHARGE TEMPERATURE (°F)	118	130	142	153	165	178	192
		DISCHARGE SUPERHEAT (°F)	35	37	39	42	44	48	51
		SUCTION PRESSURE (PSIG)	148	150	153	151	167	175	176
		SUCTION TEMPERATURE (°F)	63	63	63	63	68	70	73
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	12
		OUTDOOR UNIT CURRENT (A)	12.0	13.2	14.6	16.0	17.8	20.1	22.8
		COMPRESSOR CURRENT (A)	10.5	11.7	13.0	14.4	16.3	18.5	21.2
		INDOOR COIL DB TEMP DROP (°F)	30	30	29	27	26	25	25
	90/72	1350	DISCHARGE PRESSURE (PSIG)	250	289	330	373	422	477
DISCHARGE TEMPERATURE (°F)			118	129	142	153	165	179	193
DISCHARGE SUPERHEAT (°F)			34	36	39	42	44	49	53
SUCTION PRESSURE (PSIG)			154	155	157	157	165	169	171
SUCTION TEMPERATURE (°F)			65	64	64	65	68	68	65
SUCTION SUPERHEAT (°F)			11	10	9	10	10	9	5
OUTDOOR UNIT CURRENT (A)			12.1	13.3	14.6	16.1	17.8	20.0	22.6
COMPRESSOR CURRENT (A)			10.5	11.7	13.1	14.5	16.3	18.4	21.1
INDOOR COIL DB TEMP DROP (°F)			30	30	30	27	28	28	27
1550		DISCHARGE PRESSURE (PSIG)	251	290	332	374	423	478	539
		DISCHARGE TEMPERATURE (°F)	118	129	141	153	164	178	193
		DISCHARGE SUPERHEAT (°F)	34	36	39	41	44	48	53
		SUCTION PRESSURE (PSIG)	157	158	160	161	168	171	175
		SUCTION TEMPERATURE (°F)	67	66	66	67	69	69	70
		SUCTION SUPERHEAT (°F)	11	10	9	10	10	9	8
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.6	16.1	17.9	20.0	22.5
		COMPRESSOR CURRENT (A)	10.5	11.7	13.1	14.6	16.3	18.5	21.0
		INDOOR COIL DB TEMP DROP (°F)	27	28	28	25	26	26	26
1750		DISCHARGE PRESSURE (PSIG)	252	291	333	376	424	480	545
		DISCHARGE TEMPERATURE (°F)	118	129	141	153	164	178	192
		DISCHARGE SUPERHEAT (°F)	34	36	38	41	43	48	51
		SUCTION PRESSURE (PSIG)	160	161	163	164	170	175	176
		SUCTION TEMPERATURE (°F)	68	67	67	68	69	70	73
		SUCTION SUPERHEAT (°F)	11	10	9	10	9	9	12
		OUTDOOR UNIT CURRENT (A)	12.1	13.3	14.7	16.1	17.9	20.1	22.8
		COMPRESSOR CURRENT (A)	10.5	11.8	13.1	14.6	16.3	18.5	21.2
		INDOOR COIL DB TEMP DROP (°F)	26	27	26	23	25	25	25

Standard heating low-speed service data  
for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

PHE6B48 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	319 (41)	340 (43)	361 (46)	384 (50)	407 (53)
47	296 (47)	317 (51)	337 (54)	361 (59)	384 (64)
40	287 (53)	307 (57)	328 (61)	354 (68)	379 (76)

PHE6B48/PHG6B48

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
60	1000	DISCHARGE PRESSURE (PSIG)	346	319	308
		DISCHARGE TEMPERATURE (°F)	150	152	156
		DISCHARGE SUPERHEAT (°F)	44	52	58
		SUCTION PRESSURE (PSIG)	137	110	98
		SUCTION TEMPERATURE (°F)	57	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	12.1	11.8	11.7
		COMPRESSOR CURRENT (A)	10.6	10.3	10.2
		INDOOR COIL TEMP RISE (°F)	37	31	28
	1200	DISCHARGE PRESSURE (PSIG)	319	296	287
		DISCHARGE TEMPERATURE (°F)	141	142	146
		DISCHARGE SUPERHEAT (°F)	40.7	47.5	52.8
		SUCTION PRESSURE (PSIG)	137	110	98
		SUCTION TEMPERATURE (°F)	56	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	11.3	11.2	11.1
		COMPRESSOR CURRENT (A)	9.9	9.7	9.6
		INDOOR COIL TEMP RISE (°F)	32	26	24
	1400	DISCHARGE PRESSURE (PSIG)	300	280	272
		DISCHARGE TEMPERATURE (°F)	134	136	139
		DISCHARGE SUPERHEAT (°F)	38.3	44.8	49.6
		SUCTION PRESSURE (PSIG)	136	110	97
		SUCTION TEMPERATURE (°F)	56	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	10.8	10.7	10.7
		COMPRESSOR CURRENT (A)	9.3	9.2	9.2
		INDOOR COIL TEMP RISE (°F)	27	23	21

## PHE6B48/PHG6B48

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)			
		60	47	40	
70	1000	DISCHARGE PRESSURE (PSIG)	392	363	353
		DISCHARGE TEMPERATURE (°F)	167	170	176
		DISCHARGE SUPERHEAT(°F)	51.4	60.3	68.7
		SUCTION PRESSURE (PSIG)	137	111	97
		SUCTION TEMPERATURE(°F)	56	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	13.5	13.1	13.1
		COMPRESSOR CURRENT (A)	12.1	11.6	11.6
		INDOOR COIL TEMP RISE (°F)	36	30	27
	1200	DISCHARGE PRESSURE (PSIG)	361	337	328
		DISCHARGE TEMPERATURE (°F)	155	159	163
		DISCHARGE SUPERHEAT(°F)	46.0	54.5	61.1
		SUCTION PRESSURE (PSIG)	137	111	98
		SUCTION TEMPERATURE(°F)	57	44	38
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	12.6	12.4	12.3
		COMPRESSOR CURRENT (A)	11.1	10.9	10.8
		INDOOR COIL TEMP RISE (°F)	31	26	23
	1400	DISCHARGE PRESSURE (PSIG)	340	321	312
		DISCHARGE TEMPERATURE (°F)	148	152	156
		DISCHARGE SUPERHEAT(°F)	43.2	51.2	57.1
		SUCTION PRESSURE (PSIG)	136	111	98
		SUCTION TEMPERATURE(°F)	56	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
OUTDOOR UNIT CURRENT (A)		11.9	11.9	11.9	
COMPRESSOR CURRENT (A)		10.5	10.4	10.4	
INDOOR COIL TEMP RISE (°F)		27	22	20	
80	1000	DISCHARGE PRESSURE (PSIG)	435	411	401
		DISCHARGE TEMPERATURE (°F)	181	190	199
		DISCHARGE SUPERHEAT(°F)	58.2	71.9	82.6
		SUCTION PRESSURE (PSIG)	138	111	97
		SUCTION TEMPERATURE(°F)	57	44	37
		SUCTION SUPERHEAT (°F)	9	8	7
		OUTDOOR UNIT CURRENT (A)	14.9	14.6	14.6
		COMPRESSOR CURRENT (A)	13.4	13.2	13.1
		INDOOR COIL TEMP RISE (°F)	35	29	26
	1200	DISCHARGE PRESSURE (PSIG)	407	384	379
		DISCHARGE TEMPERATURE (°F)	171	177	189
		DISCHARGE SUPERHEAT(°F)	53.1	63.8	75.9
		SUCTION PRESSURE (PSIG)	138	111	97
		SUCTION TEMPERATURE(°F)	57	44	37
		SUCTION SUPERHEAT (°F)	9	8	8
		OUTDOOR UNIT CURRENT (A)	14.0	13.8	13.9
		COMPRESSOR CURRENT (A)	12.5	12.3	12.4
		INDOOR COIL TEMP RISE (°F)	30	25	22
	1400	DISCHARGE PRESSURE (PSIG)	384	365	357
		DISCHARGE TEMPERATURE (°F)	163	169	175
		DISCHARGE SUPERHEAT(°F)	49.3	59.3	66.6
		SUCTION PRESSURE (PSIG)	137	111	99
		SUCTION TEMPERATURE(°F)	57	44	38
		SUCTION SUPERHEAT (°F)	9	8	7
OUTDOOR UNIT CURRENT (A)		13.3	13.2	13.2	
COMPRESSOR CURRENT (A)		11.8	11.7	11.7	
INDOOR COIL TEMP RISE (°F)		26	22	20	



Standard heating high-speed service data for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

PHE6B48 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	326 (40)	348 (42)	371 (44)	395 (46)	419 (49)
47	303 (40)	324 (42)	344 (44)	367 (47)	389 (49)
40	290 (37)	310 (39)	330 (41)	352 (43)	374 (46)
30	270 (35)	292 (36)	315 (37)	336 (40)	358 (42)
17	255 (53)	275 (56)	294 (60)	316 (64)	337 (68)

PHE6B48/PHG6B48 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
60	1400	DISCHARGE PRESSURE (PSIG)	355	320	302	285	267	261
		DISCHARGE TEMPERATURE (°F)	151	141	134	132	143	156
		DISCHARGE SUPERHEAT(°F)	43	40	37	40	55	69
		SUCTION PRESSURE (PSIG)	123	98	85	70	54	47
		SUCTION TEMPERATURE(°F)	52	38	29	18	9	4
		SUCTION SUPERHEAT (°F)	10	8	5	3	5	6
		OUTDOOR UNIT CURRENT (A)	15.5	14.4	13.9	13.4	12.8	12.7
		COMPRESSOR CURRENT (A)	14.0	12.9	12.4	11.8	11.2	11.0
		INDOOR COIL TEMP RISE (°F)	37	30	26	22	18	16
	1600	DISCHARGE PRESSURE (PSIG)	326	303	290	270	255	249
		DISCHARGE TEMPERATURE (°F)	142	137	130	123	138	151
		DISCHARGE SUPERHEAT(°F)	40	40	37	35	53	67
		SUCTION PRESSURE (PSIG)	126	98	85	70	54	47
		SUCTION TEMPERATURE(°F)	53	38	28	18	10	7
		SUCTION SUPERHEAT (°F)	10	8	5	3	6	8
		OUTDOOR UNIT CURRENT (A)	14.6	13.9	13.5	12.8	12.4	12.2
		COMPRESSOR CURRENT (A)	13.1	12.4	11.9	11.3	10.8	10.6
		INDOOR COIL TEMP RISE (°F)	33	27	24	20	16	14
	1800	DISCHARGE PRESSURE (PSIG)	317	289	276	261	247	244
		DISCHARGE TEMPERATURE (°F)	140	132	127	121	136	150
		DISCHARGE SUPERHEAT(°F)	41	38	37	34	53	68
		SUCTION PRESSURE (PSIG)	123	97	85	70	54	46
		SUCTION TEMPERATURE(°F)	52	37	28	18	12	8
		SUCTION SUPERHEAT (°F)	10	7	5	3	8	10
		OUTDOOR UNIT CURRENT (A)	14.2	13.4	13.0	12.5	12.1	12.0
		COMPRESSOR CURRENT (A)	12.7	11.9	11.5	11.0	10.4	10.3
		INDOOR COIL TEMP RISE (°F)	29	24	21	17	14	12

PHE6B48/PHG6B48 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
70	1400	DISCHARGE PRESSURE (PSIG)	397	362	343	325	316	302
		DISCHARGE TEMPERATURE (°F)	163	154	147	146	168	176
		DISCHARGE SUPERHEAT(°F)	47	45	42	45	69	80
		SUCTION PRESSURE (PSIG)	124	99	86	71	51	48
		SUCTION TEMPERATURE(°F)	52	39	29	18	6	5
		SUCTION SUPERHEAT (°F)	10	8	5	3	4	6
		OUTDOOR UNIT CURRENT (A)	17.0	15.9	15.3	14.8	14.7	14.3
		COMPRESSOR CURRENT (A)	15.5	14.3	13.8	13.2	13.1	12.6
		INDOOR COIL TEMP RISE (°F)	36	29	26	22	17	16
	1600	DISCHARGE PRESSURE (PSIG)	371	344	330	315	294	289
		DISCHARGE TEMPERATURE (°F)	155	150	143	136	154	169
		DISCHARGE SUPERHEAT(°F)	44	44	41	37	60	76
		SUCTION PRESSURE (PSIG)	127	99	86	76	55	47
		SUCTION TEMPERATURE(°F)	54	38	29	21	11	7
		SUCTION SUPERHEAT (°F)	10	7	5	3	6	8
		OUTDOOR UNIT CURRENT (A)	16.1	15.3	14.9	14.4	13.9	13.8
		COMPRESSOR CURRENT (A)	14.6	13.7	13.3	12.8	12.2	12.1
		INDOOR COIL TEMP RISE (°F)	32	26	23	20	15	14
	1800	DISCHARGE PRESSURE (PSIG)	358	329	315	300	286	284
		DISCHARGE TEMPERATURE (°F)	153	144	140	134	152	168
		DISCHARGE SUPERHEAT(°F)	44	42	41	39	60	76
		SUCTION PRESSURE (PSIG)	124	98	86	71	55	46
		SUCTION TEMPERATURE(°F)	52	37	29	18	12	8
		SUCTION SUPERHEAT (°F)	10	7	5	3	8	10
		OUTDOOR UNIT CURRENT (A)	15.6	14.7	14.3	13.9	13.5	13.6
		COMPRESSOR CURRENT (A)	14.1	13.2	12.8	12.3	11.9	11.9
	INDOOR COIL TEMP RISE (°F)	28	23	20	17	14	12	

PHE6B48/PHG6B48 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
80	1400	DISCHARGE PRESSURE (PSIG)	445	407	388	370	351	346
		DISCHARGE TEMPERATURE (°F)	177	168	162	162	178	198
		DISCHARGE SUPERHEAT(°F)	52	50	47	51	71	92
		SUCTION PRESSURE (PSIG)	125	100	87	72	56	49
		SUCTION TEMPERATURE(°F)	53	39	30	19	10	5
		SUCTION SUPERHEAT (°F)	10	8	5	3	5	6
		OUTDOOR UNIT CURRENT (A)	18.8	17.5	16.9	16.4	16.0	15.9
		COMPRESSOR CURRENT (A)	17.3	16.0	15.4	14.8	14.3	14.3
		INDOOR COIL TEMP RISE (°F)	35	28	25	21	17	16
	1600	DISCHARGE PRESSURE (PSIG)	419	389	374	358	337	333
		DISCHARGE TEMPERATURE (°F)	169	164	158	151	172	191
		DISCHARGE SUPERHEAT(°F)	49	49	46	42	68	87
		SUCTION PRESSURE (PSIG)	128	100	87	77	56	48
		SUCTION TEMPERATURE(°F)	54	39	30	21	11	7
		SUCTION SUPERHEAT (°F)	10	7	5	3	6	8
		OUTDOOR UNIT CURRENT (A)	17.8	16.8	16.4	15.9	15.5	15.5
		COMPRESSOR CURRENT (A)	16.3	15.3	14.9	14.3	13.8	13.8
		INDOOR COIL TEMP RISE (°F)	31	25	22	19	15	13
	1800	DISCHARGE PRESSURE (PSIG)	402	373	359	342	328	328
		DISCHARGE TEMPERATURE (°F)	166	158	154	149	170	190
		DISCHARGE SUPERHEAT(°F)	49	47	46	44	68	88
		SUCTION PRESSURE (PSIG)	125	99	87	72	55	46
		SUCTION TEMPERATURE(°F)	53	38	29	19	13	9
		SUCTION SUPERHEAT (°F)	10	7	5	3	8	10
		OUTDOOR UNIT CURRENT (A)	17.2	16.3	15.9	15.4	15.1	15.3
		COMPRESSOR CURRENT (A)	15.7	14.8	14.3	13.8	13.5	13.6
		INDOOR COIL TEMP RISE (°F)	27	22	20	16	13	12

Extended heating high-speed service data  
for use with models:

**PHE6B4824**

**PHE6B4834**

**PHE6B4844**

**PHG6B481002X4**

SIZE (TONS)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY & KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
4	1400	60	MBH	15.0	18.3	24.4	29.6	36.1	42.1	48.7	56.6
			KW	2.9	2.9	2.8	2.9	2.9	3.0	3.2	3.3
		70	MBH	15.2	18.4	24.2	29.0	35.1	41.0	47.4	55.0
			KW	3.3	3.2	3.1	3.2	3.2	3.1	3.5	3.6
		80	MBH	15.2	18.3	23.8	28.4	34.1	39.8	46.1	53.6
			KW	3.6	3.6	3.5	3.5	3.5	3.7	3.8	4.0
	1600	60	MBH	13.1	17.4	24.5	29.8	36.1	42.4	49.3	57.6
			KW	2.7	3.0	2.9	2.9	3.0	3.0	3.2	3.3
		70	MBH	13.9	17.5	24.3	29.3	35.3	41.3	48.0	55.9
			KW	3.0	3.3	3.2	3.2	3.2	3.3	3.4	3.6
		80	MBH	14.1	17.3	23.9	28.6	34.2	40.1	46.7	54.4
			KW	3.4	3.7	3.5	3.5	3.6	3.7	3.8	3.9
	1800	60	MBH	14.3	16.6	24.2	29.7	36.5	42.6	49.7	58.4
			KW	3.1	3.1	3.0	3.0	3.0	3.1	3.2	3.3
		70	MBH	14.6	16.7	24.1	29.3	35.8	41.5	48.4	56.7
			KW	3.5	3.4	3.3	3.3	3.3	3.4	3.5	3.6
		80	MBH	14.6	16.5	23.6	28.6	34.8	40.4	47.1	55.1
			KW	3.8	3.8	3.6	3.6	3.6	3.7	3.8	3.9

Standard cooling low-speed service data  
for use with models:

**PHE6B6024**

**PHE6B6034**

**PHE6B6044**

**PHG6B601252X4**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	195(34)	199(39)	204(42)	208(46)
60	212(39)	216(40)	221(41)	225(41)
65	230(44)	233(42)	238(39)	243(37)
70	247(42)	250(40)	255(37)	260(35)
75	265(40)	267(39)	272(36)	277(34)
80	284(39)	285(38)	290(35)	296(33)
85	303(39)	304(38)	309(35)	315(32)
90	325(40)	326(40)	331(36)	336(33)
95	347(41)	347(41)	353(38)	358(35)
100	372(44)	372(44)	376(40)	382(37)
105	396(46)	396(46)	400(43)	406(40)
110	422(49)	422(49)	425(47)	431(43)
115	448(53)	448(53)	451(50)	457(46)
120	475(57)	476(57)	478(54)	484(49)
125	502(62)	504(61)	505(58)	511(51)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1150	DISCHARGE PRESSURE (PSIG)	198	231	265	303	346	393	444	498
		DISCHARGE TEMPERATURE (°F)	109	122	128	136	148	164	181	201
		DISCHARGE SUPERHEAT (°F)	40	43	40	39	42	49	57	68
		SUCTION PRESSURE (PSIG)	122	122	128	132	135	139	141	144
		SUCTION TEMPERATURE (°F)	55	55	54	54	54	56	57	60
		SUCTION SUPERHEAT (°F)	13	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.3	10.3	11.3	12.4	13.9	15.5	17.3	19.1
		COMPRESSOR CURRENT (A)	7.9	8.9	9.9	11.0	12.5	14.1	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	28	28	26	25	24	24	23	22
	1400	DISCHARGE PRESSURE (PSIG)	199	233	267	304	348	395	445	500
		DISCHARGE TEMPERATURE (°F)	108	121	127	135	147	163	180	199
		DISCHARGE SUBCOOLING (°F)	39	42	39	38	41	47	55	66
		SUCTION PRESSURE (PSIG)	128	127	133	137	139	143	145	148
		SUCTION TEMPERATURE (°F)	57	57	56	55	56	58	59	61
		SUCTION SUPERHEAT (°F)	13	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.2	10.2	11.2	12.4	13.9	15.5	17.3	19.1
		COMPRESSOR CURRENT (A)	7.8	8.8	9.8	11.0	12.5	14.1	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	22	21	20
	1650	DISCHARGE PRESSURE (PSIG)	201	235	268	306	349	396	447	502
		DISCHARGE TEMPERATURE (°F)	108	120	126	134	147	162	179	197
		DISCHARGE SUBCOOLING (°F)	38	41	38	37	40	46	54	63
		SUCTION PRESSURE (PSIG)	131	131	136	140	142	145	149	154
		SUCTION TEMPERATURE (°F)	58	59	58	57	57	59	60	63
		SUCTION SUPERHEAT (°F)	13	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.1	10.2	11.1	12.3	13.8	15.4	17.2	19.0
		COMPRESSOR CURRENT (A)	7.7	8.8	9.7	10.9	12.4	14.0	15.8	17.7
		INDOOR COIL DB TEMP DROP (°F)	23	22	22	21	20	21	20	18

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1150	DISCHARGE PRESSURE (PSIG)	193	227	262	300	344	393	445	500
		DISCHARGE TEMPERATURE (°F)	104	124	129	137	149	164	180	199
		DISCHARGE SUBCOOLING (°F)	36	46	43	41	44	49	56	65
		SUCTION PRESSURE (PSIG)	119	112	119	126	131	138	144	150
		SUCTION TEMPERATURE (°F)	50	51	51	51	52	56	58	61
		SUCTION SUPERHEAT (°F)	10	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.2	10.4	11.4	12.5	14.0	15.5	17.3	19.1
		COMPRESSOR CURRENT (A)	7.8	9.0	10.0	11.1	12.6	14.1	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	35	36	34	32	30	29	27	24
	1400	DISCHARGE PRESSURE (PSIG)	195	230	265	303	347	396	448	502
		DISCHARGE TEMPERATURE (°F)	102	122	127	135	147	162	178	196
		DISCHARGE SUBCOOLING (°F)	34	44	40	39	41	46	53	62
		SUCTION PRESSURE (PSIG)	127	119	127	134	139	146	152	157
		SUCTION TEMPERATURE (°F)	54	54	54	54	56	59	61	64
		SUCTION SUPERHEAT (°F)	10	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.1	10.3	11.3	12.4	13.9	15.4	17.2	18.9
		COMPRESSOR CURRENT (A)	7.7	8.9	9.9	11.0	12.5	14.0	15.8	17.6
		INDOOR COIL DB TEMP DROP (°F)	31	31	30	28	27	25	24	21
	1650	DISCHARGE PRESSURE (PSIG)	197	232	267	306	350	399	451	505
		DISCHARGE TEMPERATURE (°F)	102	121	126	134	146	161	176	194
		DISCHARGE SUBCOOLING (°F)	33	42	38	37	39	44	50	59
		SUCTION PRESSURE (PSIG)	134	125	133	140	145	152	158	162
		SUCTION TEMPERATURE (°F)	56	57	56	57	58	61	64	66
		SUCTION SUPERHEAT (°F)	10	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	8.9	10.2	11.2	12.3	13.8	15.4	17.1	18.9
		COMPRESSOR CURRENT (A)	7.5	8.8	9.8	10.9	12.4	14.0	15.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	27	28	26	25	24	23	21	19
	80/62	1150	DISCHARGE PRESSURE (PSIG)	198	231	265	302	346	393	445
DISCHARGE TEMPERATURE (°F)			109	122	128	136	148	164	180	198
DISCHARGE SUBCOOLING (°F)			40	43	40	39	43	49	56	64
SUCTION PRESSURE (PSIG)			123	122	128	132	135	138	144	150
SUCTION TEMPERATURE (°F)			55	55	54	53	54	56	58	61
SUCTION SUPERHEAT (°F)			13	14	11	8	8	8	8	9
OUTDOOR UNIT CURRENT (A)			9.3	10.3	11.3	12.4	13.9	15.5	17.3	19.1
COMPRESSOR CURRENT (A)			7.9	8.9	9.9	11.0	12.5	14.1	15.9	17.8
INDOOR COIL DB TEMP DROP (°F)			33	32	31	30	29	29	27	25
1400		DISCHARGE PRESSURE (PSIG)	199	233	267	304	347	396	448	504
		DISCHARGE TEMPERATURE (°F)	108	121	127	135	147	162	178	196
		DISCHARGE SUBCOOLING (°F)	39	42	39	38	41	46	53	61
		SUCTION PRESSURE (PSIG)	128	127	132	136	139	146	152	157
		SUCTION TEMPERATURE (°F)	57	57	56	55	56	59	61	65
		SUCTION SUPERHEAT (°F)	13	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.2	10.2	11.2	12.4	13.9	15.4	17.2	19.0
		COMPRESSOR CURRENT (A)	7.8	8.8	9.8	11.0	12.5	14.0	15.8	17.7
		INDOOR COIL DB TEMP DROP (°F)	29	29	28	27	27	25	24	22
1650		DISCHARGE PRESSURE (PSIG)	201	234	268	306	350	399	451	506
		DISCHARGE TEMPERATURE (°F)	108	120	126	134	146	161	176	193
		DISCHARGE SUBCOOLING (°F)	38	41	38	37	39	44	50	59
		SUCTION PRESSURE (PSIG)	131	131	135	140	145	153	158	163
		SUCTION TEMPERATURE (°F)	58	59	57	57	58	61	64	67
		SUCTION SUPERHEAT (°F)	13	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	9.1	10.2	11.2	12.3	13.8	15.4	17.1	18.9
		COMPRESSOR CURRENT (A)	7.7	8.8	9.8	10.9	12.4	14.0	15.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	25	24	23	21	19

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1150	DISCHARGE PRESSURE (PSIG)	202	236	270	308	351	398	449	504
		DISCHARGE TEMPERATURE (°F)	114	120	126	133	146	161	177	194
		DISCHARGE SUBCOOLING (°F)	43	40	37	36	39	45	52	60
		SUCTION PRESSURE (PSIG)	130	134	140	145	148	152	154	157
		SUCTION TEMPERATURE (°F)	62	60	59	59	59	61	62	63
		SUCTION SUPERHEAT (°F)	17	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	9.2	10.1	11.1	12.3	13.7	15.4	17.2	19.0
		COMPRESSOR CURRENT (A)	7.8	8.7	9.7	10.9	12.3	14.0	15.8	17.7
	INDOOR COIL DB TEMP DROP (°F)	28	28	26	25	24	24	23	23	
	1400	DISCHARGE PRESSURE (PSIG)	204	238	272	309	353	400	451	505
		DISCHARGE TEMPERATURE (°F)	113	119	125	133	145	160	176	193
		DISCHARGE SUBCOOLING (°F)	42	39	36	35	38	43	50	58
		SUCTION PRESSURE (PSIG)	136	140	145	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	64	62	61	60	61	63	64	64
		SUCTION SUPERHEAT (°F)	17	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	9.1	10.0	11.0	12.2	13.7	15.3	17.1	18.9
		COMPRESSOR CURRENT (A)	7.7	8.6	9.6	10.8	12.3	13.9	15.7	17.6
	INDOOR COIL DB TEMP DROP (°F)	25	25	24	23	22	22	22	21	
	1650	DISCHARGE PRESSURE (PSIG)	206	239	273	311	354	401	452	506
		DISCHARGE TEMPERATURE (°F)	113	119	125	132	144	159	175	192
		DISCHARGE SUBCOOLING (°F)	41	38	35	34	37	43	49	57
		SUCTION PRESSURE (PSIG)	140	144	149	154	156	159	161	164
		SUCTION TEMPERATURE (°F)	66	64	63	62	62	64	65	66
		SUCTION SUPERHEAT (°F)	17	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	9.0	10.0	10.9	12.1	13.6	15.3	17.1	18.9
		COMPRESSOR CURRENT (A)	7.6	8.6	9.5	10.7	12.2	13.9	15.7	17.6
	INDOOR COIL DB TEMP DROP (°F)	22	22	22	21	20	20	20	19	
	80/72	1150	DISCHARGE PRESSURE (PSIG)	206	241	275	313	357	404	455
DISCHARGE TEMPERATURE (°F)			118	119	124	132	144	158	173	188
DISCHARGE SUBCOOLING (°F)			47	38	34	33	36	41	47	53
SUCTION PRESSURE (PSIG)			140	147	154	159	162	166	168	171
SUCTION TEMPERATURE (°F)			70	65	64	64	64	66	67	67
SUCTION SUPERHEAT (°F)			21	14	10	8	7	8	8	7
OUTDOOR UNIT CURRENT (A)			9.0	9.9	10.9	12.0	13.5	15.2	17.0	18.8
COMPRESSOR CURRENT (A)			7.6	8.5	9.5	10.6	12.1	13.8	15.6	17.5
INDOOR COIL DB TEMP DROP (°F)		23	23	22	21	20	19	19	18	
1400		DISCHARGE PRESSURE (PSIG)	208	243	277	315	358	406	457	511
		DISCHARGE TEMPERATURE (°F)	117	118	124	131	143	157	173	187
		DISCHARGE SUBCOOLING (°F)	46	37	34	32	35	40	46	51
		SUCTION PRESSURE (PSIG)	145	153	159	164	167	171	173	175
		SUCTION TEMPERATURE (°F)	72	67	66	66	66	68	69	68
		SUCTION SUPERHEAT (°F)	21	14	10	8	7	8	8	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.8	12.0	13.5	15.1	16.9	18.7
		COMPRESSOR CURRENT (A)	7.5	8.4	9.4	10.6	12.1	13.7	15.5	17.4
INDOOR COIL DB TEMP DROP (°F)		20	20	19	18	18	17	17	16	
1650		DISCHARGE PRESSURE (PSIG)	209	244	278	316	360	407	458	513
		DISCHARGE TEMPERATURE (°F)	117	118	124	131	143	157	172	185
		DISCHARGE SUBCOOLING (°F)	45	36	33	32	34	39	45	50
		SUCTION PRESSURE (PSIG)	149	157	163	168	171	174	176	178
		SUCTION TEMPERATURE (°F)	74	69	68	67	67	69	70	68
		SUCTION SUPERHEAT (°F)	21	14	10	8	7	8	8	6
		OUTDOOR UNIT CURRENT (A)	8.9	9.8	10.7	11.9	13.4	15.0	16.8	18.7
		COMPRESSOR CURRENT (A)	7.5	8.4	9.3	10.5	12.0	13.6	15.4	17.4
INDOOR COIL DB TEMP DROP (°F)		18	18	17	16	16	16	15	15	

Extended cooling low-speed service data  
for use with models:

**PHE6B6024**

**PHE6B6034**

**PHE6B6044**

**PHG6B601252X4**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	1150	DISCHARGE PRESSURE (PSIG)	231	265	303	346	393	444	498
		DISCHARGE TEMPERATURE (°F)	122	128	136	148	164	181	201
		DISCHARGE SUPERHEAT (°F)	43	40	39	42	49	57	68
		SUCTION PRESSURE (PSIG)	122	127	132	135	139	141	144
		SUCTION TEMPERATURE (°F)	55	54	54	54	56	57	60
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	10.3	11.3	12.4	13.9	15.5	17.3	19.2
		COMPRESSOR CURRENT (A)	8.9	9.9	11.0	12.5	14.1	15.9	17.9
		INDOOR COIL DB TEMP DROP (°F)	23	22	21	20	19	19	17
	1400	DISCHARGE PRESSURE (PSIG)	233	235	304	348	395	445	499
		DISCHARGE TEMPERATURE (°F)	121	121	135	147	163	180	200
		DISCHARGE SUBCOOLING (°F)	42	41	38	41	47	55	66
		SUCTION PRESSURE (PSIG)	127	132	137	140	143	145	147
		SUCTION TEMPERATURE (°F)	57	56	55	56	58	58	61
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	10.2	11.2	12.4	13.8	15.5	17.3	19.1
		COMPRESSOR CURRENT (A)	8.8	9.8	11.0	12.4	14.1	15.9	17.8
		INDOOR COIL DB TEMP DROP (°F)	20	19	18	18	17	17	16
	1650	DISCHARGE PRESSURE (PSIG)	235	265	306	349	396	446	500
		DISCHARGE TEMPERATURE (°F)	121	128	134	146	162	179	199
		DISCHARGE SUBCOOLING (°F)	41	40	37	40	46	54	65
		SUCTION PRESSURE (PSIG)	131	136	140	143	146	148	150
		SUCTION TEMPERATURE (°F)	59	58	57	57	59	60	62
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	9
OUTDOOR UNIT CURRENT (A)		10.2	11.1	12.3	13.8	15.4	17.2	19.1	
COMPRESSOR CURRENT (A)		8.8	9.7	10.9	12.4	14.0	15.8	17.8	
INDOOR COIL DB TEMP DROP (°F)		18	17	16	16	16	15	14	



ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1150	DISCHARGE PRESSURE (PSIG)	236	270	308	351	399	449	504
		DISCHARGE TEMPERATURE (°F)	120	126	134	146	161	177	194
		DISCHARGE SUBCOOLING (°F)	40	37	36	39	45	52	60
		SUCTION PRESSURE (PSIG)	133	139	145	148	152	154	157
		SUCTION TEMPERATURE (°F)	60	59	59	59	61	62	63
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	10.1	11.1	12.3	13.7	15.4	17.2	19.0
		COMPRESSOR CURRENT (A)	8.7	9.7	10.9	12.3	14.0	15.8	17.7
		INDOOR COIL DB TEMP DROP (°F)	19	18	16	15	14	14	13
	1400	DISCHARGE PRESSURE (PSIG)	238	272	309	353	400	451	506
		DISCHARGE TEMPERATURE (°F)	120	125	133	145	160	176	193
		DISCHARGE SUBCOOLING (°F)	39	36	35	38	43	50	58
		SUCTION PRESSURE (PSIG)	139	145	150	153	156	158	161
		SUCTION TEMPERATURE (°F)	62	61	60	61	63	64	64
		SUCTION SUPERHEAT (°F)	14	11	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	10.1	11.0	12.2	13.7	15.3	17.1	19.0
		COMPRESSOR CURRENT (A)	8.7	9.6	10.8	12.3	13.9	15.7	17.7
		INDOOR COIL DB TEMP DROP (°F)	16	15	14	13	12	12	11
	1650	DISCHARGE PRESSURE (PSIG)	239	273	311	354	402	452	507
		DISCHARGE TEMPERATURE (°F)	119	125	133	144	158	175	192
		DISCHARGE SUBCOOLING (°F)	38	35	34	37	42	49	57
		SUCTION PRESSURE (PSIG)	143	149	153	156	159	161	163
		SUCTION TEMPERATURE (°F)	64	63	62	62	63	65	65
		SUCTION SUPERHEAT (°F)	14	10	8	7	7	8	8
		OUTDOOR UNIT CURRENT (A)	10.0	11.0	12.1	13.6	15.3	17.1	18.9
		COMPRESSOR CURRENT (A)	8.6	9.6	10.7	12.2	13.9	15.7	17.6
		INDOOR COIL DB TEMP DROP (°F)	14	13	12	12	11	10	10
90/62	1150	DISCHARGE PRESSURE (PSIG)	232	267	306	350	399	452	507
		DISCHARGE TEMPERATURE (°F)	121	127	134	146	160	175	197
		DISCHARGE SUBCOOLING (°F)	43	39	37	39	44	49	62
		SUCTION PRESSURE (PSIG)	124	132	140	146	154	161	168
		SUCTION TEMPERATURE (°F)	56	56	57	58	62	64	72
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	14
		OUTDOOR UNIT CURRENT (A)	10.3	11.2	12.3	13.8	15.3	17.1	18.8
		COMPRESSOR CURRENT (A)	8.9	9.8	10.9	12.4	13.9	15.7	17.5
		INDOOR COIL DB TEMP DROP (°F)	40	38	36	34	33	31	28
	1400	DISCHARGE PRESSURE (PSIG)	235	270	309	354	403	455	511
		DISCHARGE TEMPERATURE (°F)	120	126	133	145	159	173	189
		DISCHARGE SUBCOOLING (°F)	40	37	35	37	41	47	54
		SUCTION PRESSURE (PSIG)	133	142	150	155	164	170	177
		SUCTION TEMPERATURE (°F)	60	60	60	62	65	68	71
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	10.1	11.1	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	8.7	9.7	10.8	12.2	13.8	15.5	17.4
		INDOOR COIL DB TEMP DROP (°F)	35	33	31	30	29	27	25
	1650	DISCHARGE PRESSURE (PSIG)	238	273	312	357	406	458	514
		DISCHARGE TEMPERATURE (°F)	119	125	132	144	157	171	188
		DISCHARGE SUBCOOLING (°F)	39	35	33	35	40	45	52
		SUCTION PRESSURE (PSIG)	140	149	157	163	171	178	184
		SUCTION TEMPERATURE (°F)	63	63	63	65	68	71	74
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	9
		OUTDOOR UNIT CURRENT (A)	10.0	10.9	12.1	13.5	15.1	16.8	18.5
		COMPRESSOR CURRENT (A)	8.6	9.5	10.7	12.1	13.7	15.4	17.2
		INDOOR COIL DB TEMP DROP (°F)	31	30	28	27	26	24	22

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1150	DISCHARGE PRESSURE (PSIG)	236	270	307	351	399	452	508
		DISCHARGE TEMPERATURE (°F)	120	126	134	146	160	175	190
		DISCHARGE SUBCOOLING (°F)	40	37	36	39	44	49	56
		SUCTION PRESSURE (PSIG)	134	140	145	147	154	161	168
		SUCTION TEMPERATURE (°F)	61	59	58	59	62	65	67
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	10.1	11.1	12.3	13.7	15.3	17.1	18.8
		COMPRESSOR CURRENT (A)	8.7	9.7	10.9	12.3	13.9	15.7	17.5
		INDOOR COIL DB TEMP DROP (°F)	37	35	34	34	33	31	29
	1400	DISCHARGE PRESSURE (PSIG)	238	271	309	354	403	455	512
		DISCHARGE TEMPERATURE (°F)	119	125	133	145	158	173	188
		DISCHARGE SUBCOOLING (°F)	39	36	35	37	41	47	52
		SUCTION PRESSURE (PSIG)	140	145	150	155	164	171	177
		SUCTION TEMPERATURE (°F)	62	61	60	62	65	68	70
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	10.0	11.0	12.2	13.6	15.2	16.9	18.7
		COMPRESSOR CURRENT (A)	8.6	9.6	10.8	12.2	13.8	15.5	17.4
		INDOOR COIL DB TEMP DROP (°F)	33	32	31	30	29	27	25
	1650	DISCHARGE PRESSURE (PSIG)	239	273	312	357	406	458	514
		DISCHARGE TEMPERATURE (°F)	119	125	132	144	157	171	186
		DISCHARGE SUBCOOLING (°F)	38	35	33	35	40	45	50
		SUCTION PRESSURE (PSIG)	143	149	158	163	172	178	185
		SUCTION TEMPERATURE (°F)	64	63	63	65	68	71	73
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	8
		OUTDOOR UNIT CURRENT (A)	10.0	10.9	12.1	13.5	15.1	16.8	18.6
		COMPRESSOR CURRENT (A)	8.6	9.5	10.7	12.1	13.7	15.4	17.3
		INDOOR COIL DB TEMP DROP (°F)	31	30	28	27	25	24	22
90/72	1150	DISCHARGE PRESSURE (PSIG)	241	275	313	357	404	454	510
		DISCHARGE TEMPERATURE (°F)	119	124	132	144	158	173	188
		DISCHARGE SUBCOOLING (°F)	37	34	33	36	41	47	53
		SUCTION PRESSURE (PSIG)	147	154	159	162	166	168	171
		SUCTION TEMPERATURE (°F)	66	64	64	64	66	67	67
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	7
		OUTDOOR UNIT CURRENT (A)	9.9	10.9	12.0	13.5	15.2	16.9	18.8
		COMPRESSOR CURRENT (A)	8.5	9.5	10.6	12.1	13.8	15.5	17.5
		INDOOR COIL DB TEMP DROP (°F)	32	31	30	29	29	28	28
	1400	DISCHARGE PRESSURE (PSIG)	243	277	314	358	405	457	512
		DISCHARGE TEMPERATURE (°F)	118	124	131	143	157	171	186
		DISCHARGE SUBCOOLING (°F)	37	33	32	35	40	45	51
		SUCTION PRESSURE (PSIG)	153	159	164	167	170	173	177
		SUCTION TEMPERATURE (°F)	68	67	66	66	68	67	69
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	7	7
		OUTDOOR UNIT CURRENT (A)	9.8	10.8	12.0	13.5	15.1	16.9	18.7
		COMPRESSOR CURRENT (A)	8.4	9.4	10.6	12.1	13.7	15.5	17.4
		INDOOR COIL DB TEMP DROP (°F)	29	28	27	26	27	26	25
	1650	DISCHARGE PRESSURE (PSIG)	245	278	316	359	407	458	515
		DISCHARGE TEMPERATURE (°F)	118	124	131	143	157	171	184
		DISCHARGE SUBCOOLING (°F)	36	33	32	34	39	45	49
		SUCTION PRESSURE (PSIG)	158	164	168	170	173	178	185
		SUCTION TEMPERATURE (°F)	69	68	67	67	69	71	71
		SUCTION SUPERHEAT (°F)	14	10	8	7	8	8	7
		OUTDOOR UNIT CURRENT (A)	9.7	10.7	11.9	13.4	15.1	16.8	18.6
		COMPRESSOR CURRENT (A)	8.3	9.3	10.5	12.0	13.7	15.4	17.3
		INDOOR COIL DB TEMP DROP (°F)	26	26	25	25	25	24	22

Standard cooling high-speed service data for use with models:

**PHE6A6021**

**PHG6A60\*21**

SUPERHEAT CHARGING CHART				
OUTDOOR AMBIENT DB (°F)	INDOOR WET BULB (°F) AT 80°F DRY BULB			
	57	62	67	72
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT			
55	211(46)	212(49)	214(52)	215(56)
60	226(49)	228(50)	232(50)	236(51)
65	241(51)	245(50)	250(48)	256(47)
70	260(49)	264(48)	270(46)	276(45)
75	280(47)	283(46)	289(45)	296(43)
80	301(46)	304(45)	311(43)	318(42)
85	323(45)	325(44)	332(42)	339(41)
90	347(46)	348(45)	356(43)	363(41)
95	371(46)	372(46)	379(44)	387(41)
100	397(47)	397(47)	404(45)	411(44)
105	422(48)	422(48)	429(46)	436(46)
110	449(50)	449(50)	455(47)	463(46)
115	476(51)	476(51)	481(49)	489(47)
120	504(54)	505(53)	510(51)	517(48)
125	533(57)	533(56)	538(53)	546(49)

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
75/62	1550	DISCHARGE PRESSURE (PSIG)	210	243	281	323	370	419	472	529
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	157	169	182	196
		DISCHARGE SUPERHEAT (°F)	50	50	47	45	46	49	53	58
		SUCTION PRESSURE (PSIG)	119	119	123	127	129	131	134	137
		SUCTION TEMPERATURE (°F)	60	60	58	56	56	57	57	59
		SUCTION SUPERHEAT (°F)	20	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	14.3	15.7	17.2	18.9	20.8	23.0	25.4
		COMPRESSOR CURRENT (A)	11.8	12.9	14.3	15.8	17.5	19.4	21.6	24.1
		INDOOR COIL DB TEMP DROP (°F)	27	26	26	26	26	25	24	23
	1800	DISCHARGE PRESSURE (PSIG)	212	244	283	325	372	421	474	530
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	157	169	181	196
		DISCHARGE SUBCOOLING (°F)	49	50	46	44	46	48	52	57
		SUCTION PRESSURE (PSIG)	123	123	127	130	132	135	137	139
		SUCTION TEMPERATURE (°F)	62	61	59	58	57	58	59	60
		SUCTION SUPERHEAT (°F)	20	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.3	14.4	15.7	17.2	19.0	20.9	23.1	25.5
		COMPRESSOR CURRENT (A)	11.9	13.0	14.3	15.8	17.6	19.5	21.7	24.2
		INDOOR COIL DB TEMP DROP (°F)	24	23	23	24	24	23	23	22
	2050	DISCHARGE PRESSURE (PSIG)	214	246	284	327	373	423	475	532
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	157	169	181	195
		DISCHARGE SUBCOOLING (°F)	49	50	46	44	45	48	51	57
		SUCTION PRESSURE (PSIG)	126	125	130	133	135	137	139	141
		SUCTION TEMPERATURE (°F)	63	62	60	59	58	59	59	60
		SUCTION SUPERHEAT (°F)	20	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.4	14.5	15.8	17.3	19.0	20.9	23.1	25.5
		COMPRESSOR CURRENT (A)	12.0	13.1	14.4	15.9	17.6	19.5	21.7	24.2
		INDOOR COIL DB TEMP DROP (°F)	22	22	22	22	22	22	21	20

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/57	1550	DISCHARGE PRESSURE (PSIG)	209	238	277	320	368	418	473	530
		DISCHARGE TEMPERATURE (°F)	119	132	139	147	157	169	182	197
		DISCHARGE SUBCOOLING (°F)	47	52	49	46	47	50	52	59
		SUCTION PRESSURE (PSIG)	114	111	115	120	125	129	134	138
		SUCTION TEMPERATURE (°F)	54	56	54	53	54	56	57	59
		SUCTION SUPERHEAT (°F)	16	20	16	13	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	13.1	14.1	15.5	17.0	18.8	20.8	23.0	25.5
		COMPRESSOR CURRENT (A)	11.7	12.7	14.1	15.6	17.4	19.4	21.6	24.2
		INDOOR COIL DB TEMP DROP (°F)	35	33	33	33	32	31	29	27
	1800	DISCHARGE PRESSURE (PSIG)	211	241	280	323	371	422	476	533
		DISCHARGE TEMPERATURE (°F)	119	132	139	146	157	169	181	196
		DISCHARGE SUBCOOLING (°F)	46	51	47	45	46	48	51	57
		SUCTION PRESSURE (PSIG)	120	116	121	127	131	135	140	143
		SUCTION TEMPERATURE (°F)	57	58	57	56	57	58	60	62
		SUCTION SUPERHEAT (°F)	16	19	16	13	12	11	11	12
		OUTDOOR UNIT CURRENT (A)	13.2	14.2	15.6	17.2	18.9	20.9	23.2	25.6
		COMPRESSOR CURRENT (A)	11.8	12.8	14.2	15.8	17.5	19.5	21.8	24.3
		INDOOR COIL DB TEMP DROP (°F)	32	30	30	29	29	28	26	24
	2050	DISCHARGE PRESSURE (PSIG)	214	243	282	326	374	425	479	536
		DISCHARGE TEMPERATURE (°F)	119	132	138	146	156	168	180	195
		DISCHARGE SUBCOOLING (°F)	46	50	47	44	45	47	50	56
		SUCTION PRESSURE (PSIG)	125	121	126	131	136	141	145	148
		SUCTION TEMPERATURE (°F)	59	60	59	58	59	60	62	64
		SUCTION SUPERHEAT (°F)	16	20	16	13	12	11	11	12
OUTDOOR UNIT CURRENT (A)		13.4	14.3	15.7	17.2	19.0	21.0	23.3	25.7	
COMPRESSOR CURRENT (A)		12.0	12.9	14.3	15.8	17.6	19.6	21.9	24.4	
INDOOR COIL DB TEMP DROP (°F)		29	27	27	27	26	25	24	22	
80/62	1550	DISCHARGE PRESSURE (PSIG)	211	243	281	323	370	419	473	530
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	157	169	182	196
		DISCHARGE SUBCOOLING (°F)	50	50	47	45	46	49	53	58
		SUCTION PRESSURE (PSIG)	120	120	123	127	129	131	134	139
		SUCTION TEMPERATURE (°F)	60	60	58	56	56	57	57	59
		SUCTION SUPERHEAT (°F)	20	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.2	14.3	15.7	17.2	18.9	20.8	23.0	25.5
		COMPRESSOR CURRENT (A)	11.8	12.9	14.3	15.8	17.5	19.4	21.6	24.2
		INDOOR COIL DB TEMP DROP (°F)	31	30	30	30	30	30	29	27
	1800	DISCHARGE PRESSURE (PSIG)	212	245	283	325	372	422	476	533
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	157	169	181	195
		DISCHARGE SUBCOOLING (°F)	49	50	46	44	46	48	51	56
		SUCTION PRESSURE (PSIG)	124	123	127	130	132	136	140	145
		SUCTION TEMPERATURE (°F)	62	61	59	57	57	58	60	62
		SUCTION SUPERHEAT (°F)	20	19	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.3	14.4	15.7	17.2	19.0	20.9	23.2	25.6
		COMPRESSOR CURRENT (A)	11.9	13.0	14.3	15.8	17.6	19.5	21.8	24.3
		INDOOR COIL DB TEMP DROP (°F)	29	27	28	28	29	28	26	24
	2050	DISCHARGE PRESSURE (PSIG)	214	246	284	327	374	425	479	536
		DISCHARGE TEMPERATURE (°F)	123	132	138	146	156	168	180	194
		DISCHARGE SUBCOOLING (°F)	49	49	46	44	45	47	50	55
		SUCTION PRESSURE (PSIG)	127	126	129	133	136	141	145	150
		SUCTION TEMPERATURE (°F)	63	63	60	59	59	60	62	64
		SUCTION SUPERHEAT (°F)	20	19	16	13	12	11	11	11
OUTDOOR UNIT CURRENT (A)		13.4	14.5	15.8	17.3	19.0	21.0	23.3	25.7	
COMPRESSOR CURRENT (A)		12.0	13.1	14.4	15.9	17.6	19.6	21.9	24.4	
INDOOR COIL DB TEMP DROP (°F)		27	26	26	26	26	25	24	22	

ID DB/ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE DB (°F)	COOLING SERVICE DATA							
			55	65	75	85	95	105	115	125
80/67	1550	DISCHARGE PRESSURE (PSIG)	213	248	287	330	377	427	480	536
		DISCHARGE TEMPERATURE (°F)	126	132	138	146	156	168	180	193
		DISCHARGE SUBCOOLING (°F)	53	49	45	43	44	46	50	54
		SUCTION PRESSURE (PSIG)	126	131	135	139	142	144	147	149
		SUCTION TEMPERATURE (°F)	66	65	63	61	61	62	62	63
		SUCTION SUPERHEAT (°F)	23	19	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.3	14.6	15.9	17.4	19.1	21.1	23.3	25.7
		COMPRESSOR CURRENT (A)	11.9	13.2	14.5	16.0	17.7	19.7	21.9	24.4
	INDOOR COIL DB TEMP DROP (°F)	25	25	26	26	26	25	24	23	
	1800	DISCHARGE PRESSURE (PSIG)	214	250	289	332	379	429	481	538
		DISCHARGE TEMPERATURE (°F)	126	132	138	145	156	168	180	192
		DISCHARGE SUBCOOLING (°F)	52	48	45	42	44	46	49	53
		SUCTION PRESSURE (PSIG)	129	135	139	143	145	147	150	152
		SUCTION TEMPERATURE (°F)	68	66	64	63	63	63	64	64
		SUCTION SUPERHEAT (°F)	23	19	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.4	14.6	16.0	17.5	19.2	21.1	23.4	25.8
		COMPRESSOR CURRENT (A)	12.0	13.2	14.6	16.1	17.8	19.7	22.0	24.5
	INDOOR COIL DB TEMP DROP (°F)	23	23	23	24	24	23	22	22	
	2050	DISCHARGE PRESSURE (PSIG)	216	252	291	334	381	430	483	539
		DISCHARGE TEMPERATURE (°F)	126	132	138	145	156	167	180	192
		DISCHARGE SUBCOOLING (°F)	52	48	44	42	43	45	49	53
		SUCTION PRESSURE (PSIG)	132	138	142	146	148	150	152	154
		SUCTION TEMPERATURE (°F)	69	67	65	64	64	64	64	65
		SUCTION SUPERHEAT (°F)	23	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	13.5	14.7	16.0	17.5	19.2	21.2	23.4	25.8
		COMPRESSOR CURRENT (A)	12.1	13.3	14.6	16.1	17.8	19.8	22.0	24.5
	INDOOR COIL DB TEMP DROP (°F)	21	21	22	22	22	22	21	21	
	80/72	1550	DISCHARGE PRESSURE (PSIG)	214	254	294	337	385	435	488
DISCHARGE TEMPERATURE (°F)			130	132	138	145	156	167	179	190
DISCHARGE SUBCOOLING (°F)			56	47	43	41	42	44	48	50
SUCTION PRESSURE (PSIG)			128	143	148	152	155	157	160	163
SUCTION TEMPERATURE (°F)			71	69	68	66	66	67	68	67
SUCTION SUPERHEAT (°F)			27	20	16	13	12	11	12	10
OUTDOOR UNIT CURRENT (A)			13.4	14.8	16.1	17.6	19.4	21.4	23.6	26.0
COMPRESSOR CURRENT (A)			12.0	13.4	14.7	16.2	18.0	20.0	22.2	24.7
INDOOR COIL DB TEMP DROP (°F)		20	21	21	21	21	20	19	18	
1800		DISCHARGE PRESSURE (PSIG)	215	256	296	339	387	436	489	546
		DISCHARGE TEMPERATURE (°F)	130	132	138	145	155	169	179	190
		DISCHARGE SUBCOOLING (°F)	56	47	43	41	41	46	47	49
		SUCTION PRESSURE (PSIG)	130	146	151	156	158	161	163	165
		SUCTION TEMPERATURE (°F)	71	71	69	68	67	71	69	68
		SUCTION SUPERHEAT (°F)	27	20	16	13	12	14	11	10
		OUTDOOR UNIT CURRENT (A)	13.4	14.9	16.2	17.7	19.4	21.4	23.7	26.1
		COMPRESSOR CURRENT (A)	12.0	13.5	14.8	16.3	18.0	20.0	22.3	24.8
INDOOR COIL DB TEMP DROP (°F)		18	19	19	19	19	18	17	17	
2050		DISCHARGE PRESSURE (PSIG)	217	257	297	341	388	438	491	547
		DISCHARGE TEMPERATURE (°F)	130	132	138	145	155	167	178	190
		DISCHARGE SUBCOOLING (°F)	56	47	43	40	41	43	46	49
		SUCTION PRESSURE (PSIG)	133	149	155	159	161	163	166	167
		SUCTION TEMPERATURE (°F)	73	72	70	69	68	69	69	69
		SUCTION SUPERHEAT (°F)	27	20	16	13	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	13.5	15.0	16.3	17.8	19.5	21.5	23.7	26.1
		COMPRESSOR CURRENT (A)	12.1	13.6	14.9	16.4	18.1	20.1	22.3	24.8
INDOOR COIL DB TEMP DROP (°F)		16	17	17	17	17	17	16	16	

Extended cooling high-speed service data  
for use with models:

**PHE6A6021**

**PHG6A60\*21**

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/62	1550	DISCHARGE PRESSURE (PSIG)	242	281	323	370	420	473	529
		DISCHARGE TEMPERATURE (°F)	132	139	146	157	169	182	196
		DISCHARGE SUBCOOLING (°F)	51	47	45	46	49	53	58
		SUCTION PRESSURE (PSIG)	118	122	126	129	131	134	137
		SUCTION TEMPERATURE (°F)	59	57	56	56	57	57	59
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.3	15.6	17.2	18.9	20.8	23.0	25.4
		COMPRESSOR CURRENT (A)	12.9	14.2	15.8	17.5	19.4	21.6	24.1
		INDOOR COIL DB TEMP DROP (°F)	21	21	21	21	20	19	18
	1800	DISCHARGE PRESSURE (PSIG)	244	245	325	372	421	474	530
		DISCHARGE TEMPERATURE (°F)	132	132	146	157	169	181	196
		DISCHARGE SUBCOOLING (°F)	50	50	45	46	48	52	57
		SUCTION PRESSURE (PSIG)	122	126	130	132	135	137	139
		SUCTION TEMPERATURE (°F)	61	59	58	57	58	59	60
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.4	15.7	17.2	19.0	20.9	23.1	25.5
		COMPRESSOR CURRENT (A)	13.0	14.3	15.8	17.6	19.5	21.7	24.2
		INDOOR COIL DB TEMP DROP (°F)	19	19	19	19	18	18	17
	2050	DISCHARGE PRESSURE (PSIG)	245	281	327	373	423	475	532
		DISCHARGE TEMPERATURE (°F)	132	139	146	157	169	181	195
		DISCHARGE SUBCOOLING (°F)	50	47	44	45	48	52	57
		SUCTION PRESSURE (PSIG)	124	129	133	135	137	139	141
		SUCTION TEMPERATURE (°F)	62	60	59	58	59	59	60
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.4	15.8	17.3	19.0	20.9	23.1	25.5
		COMPRESSOR CURRENT (A)	13.0	14.4	15.9	17.6	19.5	21.7	24.2
		INDOOR COIL DB TEMP DROP (°F)	18	18	18	18	17	16	16

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
70/67	1550	DISCHARGE PRESSURE (PSIG)	248	287	330	377	427	480	537
		DISCHARGE TEMPERATURE (°F)	132	138	146	156	168	180	193
		DISCHARGE SUBCOOLING (°F)	49	45	43	44	47	50	54
		SUCTION PRESSURE (PSIG)	129	134	138	141	144	146	149
		SUCTION TEMPERATURE (°F)	64	62	61	61	62	62	63
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.5	15.9	17.4	19.1	21.1	23.3	25.7
		COMPRESSOR CURRENT (A)	13.1	14.5	16.0	17.7	19.7	21.9	24.4
	INDOOR COIL DB TEMP DROP (°F)	17	17	16	16	15	14	13	
	1800	DISCHARGE PRESSURE (PSIG)	249	289	332	379	429	482	538
		DISCHARGE TEMPERATURE (°F)	132	138	146	156	168	180	193
		DISCHARGE SUBCOOLING (°F)	49	45	43	43	46	49	53
		SUCTION PRESSURE (PSIG)	132	137	142	144	147	149	152
		SUCTION TEMPERATURE (°F)	65	64	62	62	63	63	64
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.6	15.9	17.5	19.2	21.2	23.4	25.8
		COMPRESSOR CURRENT (A)	13.2	14.5	16.1	17.8	19.8	22.0	24.5
	INDOOR COIL DB TEMP DROP (°F)	15	15	15	14	14	13	12	
	2050	DISCHARGE PRESSURE (PSIG)	250	290	333	380	430	483	539
		DISCHARGE TEMPERATURE (°F)	132	138	146	156	168	180	192
		DISCHARGE SUBCOOLING (°F)	48	44	42	43	46	49	53
		SUCTION PRESSURE (PSIG)	134	140	145	147	149	151	154
		SUCTION TEMPERATURE (°F)	66	65	63	63	64	64	65
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.6	16.0	17.5	19.2	21.2	23.4	25.8
		COMPRESSOR CURRENT (A)	13.2	14.6	16.1	17.8	19.8	22.0	24.5
	INDOOR COIL DB TEMP DROP (°F)	13	13	13	13	12	12	11	
	90/62	1550	DISCHARGE PRESSURE (PSIG)	245	284	328	376	427	482
DISCHARGE TEMPERATURE (°F)			132	138	146	156	168	180	193
DISCHARGE SUBCOOLING (°F)			50	46	44	44	46	49	53
SUCTION PRESSURE (PSIG)			124	129	135	140	145	150	156
SUCTION TEMPERATURE (°F)			62	60	59	60	62	64	66
SUCTION SUPERHEAT (°F)			20	16	13	12	11	11	11
OUTDOOR UNIT CURRENT (A)			14.4	15.8	17.3	19.1	21.1	23.4	25.9
COMPRESSOR CURRENT (A)			13.0	14.4	15.9	17.7	19.7	22.0	24.6
INDOOR COIL DB TEMP DROP (°F)		37	37	36	36	34	33	31	
1800		DISCHARGE PRESSURE (PSIG)	248	287	332	380	432	486	544
		DISCHARGE TEMPERATURE (°F)	132	138	145	156	167	179	192
		DISCHARGE SUBCOOLING (°F)	49	45	42	43	45	48	52
		SUCTION PRESSURE (PSIG)	130	136	142	147	152	158	163
		SUCTION TEMPERATURE (°F)	64	63	62	63	65	67	69
		SUCTION SUPERHEAT (°F)	20	16	12	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.5	15.9	17.4	19.2	21.3	23.5	26.0
		COMPRESSOR CURRENT (A)	13.1	14.5	16.0	17.8	19.9	22.1	24.7
INDOOR COIL DB TEMP DROP (°F)		33	33	33	32	31	29	27	
2050		DISCHARGE PRESSURE (PSIG)	250	290	335	384	435	490	547
		DISCHARGE TEMPERATURE (°F)	132	138	145	156	167	179	191
		DISCHARGE SUBCOOLING (°F)	48	44	42	42	44	47	51
		SUCTION PRESSURE (PSIG)	135	141	148	153	159	164	169
		SUCTION TEMPERATURE (°F)	66	65	65	66	67	69	71
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.6	16.0	17.5	19.4	21.4	23.7	26.1
		COMPRESSOR CURRENT (A)	13.2	14.6	16.1	18.0	20.0	22.3	24.8
INDOOR COIL DB TEMP DROP (°F)		30	30	30	30	28	27	25	

ID DB / ID WB (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	COOLING SERVICE DATA						
			65	75	85	95	105	115	125
90/67	1550	DISCHARGE PRESSURE (PSIG)	249	287	330	377	427	482	540
		DISCHARGE TEMPERATURE (°F)	132	138	146	156	168	180	192
		DISCHARGE SUBCOOLING (°F)	49	45	43	44	46	49	52
		SUCTION PRESSURE (PSIG)	132	136	139	142	145	150	156
		SUCTION TEMPERATURE (°F)	65	63	61	61	62	64	66
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.6	15.9	17.4	19.1	21.1	23.4	25.9
		COMPRESSOR CURRENT (A)	13.2	14.5	16.0	17.7	19.7	22.0	24.6
		INDOOR COIL DB TEMP DROP (°F)	34	34	35	35	34	33	31
	1800	DISCHARGE PRESSURE (PSIG)	250	289	332	380	432	486	544
		DISCHARGE TEMPERATURE (°F)	132	138	145	156	167	179	191
		DISCHARGE SUBCOOLING (°F)	48	45	42	43	45	48	51
		SUCTION PRESSURE (PSIG)	136	139	143	147	153	158	164
		SUCTION TEMPERATURE (°F)	67	64	63	63	65	67	68
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.7	16.0	17.5	19.2	21.3	23.5	26.0
		COMPRESSOR CURRENT (A)	13.3	14.6	16.1	17.8	19.9	22.1	24.7
		INDOOR COIL DB TEMP DROP (°F)	32	32	32	32	31	29	28
	2050	DISCHARGE PRESSURE (PSIG)	252	291	335	384	435	490	548
		DISCHARGE TEMPERATURE (°F)	132	138	145	156	167	179	190
		DISCHARGE SUBCOOLING (°F)	48	44	42	42	44	47	50
		SUCTION PRESSURE (PSIG)	138	142	148	154	159	164	170
		SUCTION TEMPERATURE (°F)	68	65	65	66	67	69	70
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	11
		OUTDOOR UNIT CURRENT (A)	14.7	16.0	17.5	19.4	21.4	23.7	26.2
		COMPRESSOR CURRENT (A)	13.3	14.6	16.1	18.0	20.0	22.3	24.9
		INDOOR COIL DB TEMP DROP (°F)	29	30	30	29	28	27	25
	90/72	1550	DISCHARGE PRESSURE (PSIG)	255	294	337	385	435	487
DISCHARGE TEMPERATURE (°F)			132	138	145	155	167	179	190
DISCHARGE SUBCOOLING (°F)			47	43	41	42	44	47	50
SUCTION PRESSURE (PSIG)			144	149	153	155	158	160	163
SUCTION TEMPERATURE (°F)			70	68	66	66	67	68	68
SUCTION SUPERHEAT (°F)			20	16	13	12	11	11	10
OUTDOOR UNIT CURRENT (A)			14.8	16.1	17.6	19.4	21.4	23.6	26.0
COMPRESSOR CURRENT (A)			13.4	14.7	16.2	18.0	20.0	22.2	24.7
INDOOR COIL DB TEMP DROP (°F)			30	30	30	30	30	29	28
1800		DISCHARGE PRESSURE (PSIG)	257	296	339	387	436	489	546
		DISCHARGE TEMPERATURE (°F)	132	138	145	155	167	179	190
		DISCHARGE SUBCOOLING (°F)	47	43	41	41	44	47	49
		SUCTION PRESSURE (PSIG)	148	153	156	159	161	164	166
		SUCTION TEMPERATURE (°F)	71	69	68	68	68	69	69
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	14.9	16.2	17.7	19.4	21.4	23.6	26.1
		COMPRESSOR CURRENT (A)	13.5	14.8	16.3	18.0	20.0	22.2	24.8
		INDOOR COIL DB TEMP DROP (°F)	27	28	28	28	28	27	27
2050		DISCHARGE PRESSURE (PSIG)	258	297	341	388	438	491	548
		DISCHARGE TEMPERATURE (°F)	132	138	145	155	167	178	190
		DISCHARGE SUBCOOLING (°F)	47	43	40	41	43	46	49
		SUCTION PRESSURE (PSIG)	151	156	159	161	164	166	170
		SUCTION TEMPERATURE (°F)	73	70	69	68	69	70	70
		SUCTION SUPERHEAT (°F)	20	16	13	12	11	11	10
		OUTDOOR UNIT CURRENT (A)	15.0	16.3	17.8	19.5	21.5	23.7	26.2
		COMPRESSOR CURRENT (A)	13.6	14.9	16.4	18.1	20.1	22.3	24.9
		INDOOR COIL DB TEMP DROP (°F)	25	26	26	27	26	26	25



Standard heating low-speed service data  
for use with models:

**PHE6B6024**

**PHE6B6034**

**PHE6B6044**

**PHG6B601252X4**

PHE6B60/PHG6B60 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	330 (42)	353 (46)	375 (49)	396 (53)	417 (56)
47	300 (50)	322 (54)	344 (59)	370 (65)	396 (72)
40	293 (60)	313 (65)	333 (70)	355 (76)	376 (82)

PHE6B48/PHG6B48

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
60	1150	DISCHARGE PRESSURE (PSIG)	359	325	314
		DISCHARGE TEMPERATURE (°F)	156	150	155
		DISCHARGE SUPERHEAT (°F)	47	49	56
		SUCTION PRESSURE (PSIG)	131	107	89
		SUCTION TEMPERATURE (°F)	52	40	31
		SUCTION SUPERHEAT (°F)	7	6	5
		OUTDOOR UNIT CURRENT (A)	14.6	14.0	14.0
		COMPRESSOR CURRENT (A)	13.1	12.5	12.5
		INDOOR COIL TEMP RISE (°F)	41	34	29
	1400	DISCHARGE PRESSURE (PSIG)	330	300	293
		DISCHARGE TEMPERATURE (°F)	145	146	154
		DISCHARGE SUPERHEAT (°F)	42.2	49.9	59.9
		SUCTION PRESSURE (PSIG)	132	105	88
		SUCTION TEMPERATURE (°F)	53	42	34
		SUCTION SUPERHEAT (°F)	7	8	9
		OUTDOOR UNIT CURRENT (A)	13.5	13.1	13.2
		COMPRESSOR CURRENT (A)	12.0	11.6	11.7
		INDOOR COIL TEMP RISE (°F)	35	28	24
	1650	DISCHARGE PRESSURE (PSIG)	308	287	283
		DISCHARGE TEMPERATURE (°F)	137	149	162
		DISCHARGE SUPERHEAT (°F)	38.8	55.7	69.9
		SUCTION PRESSURE (PSIG)	132	99	84
		SUCTION TEMPERATURE (°F)	53	42	35
		SUCTION SUPERHEAT (°F)	8	11	12
		OUTDOOR UNIT CURRENT (A)	12.7	12.8	13.0
		COMPRESSOR CURRENT (A)	11.2	11.3	11.5
		INDOOR COIL TEMP RISE (°F)	30	23	20

## PHE6B48/PHG6B48

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40
70	1150	DISCHARGE PRESSURE (PSIG)	395	367	356
		DISCHARGE TEMPERATURE (°F)	168	167	174
		DISCHARGE SUPERHEAT(°F)	52.1	56.9	65.8
		SUCTION PRESSURE (PSIG)	133	108	90
		SUCTION TEMPERATURE(°F)	53	41	32
		SUCTION SUPERHEAT (°F)	7	6	5
		OUTDOOR UNIT CURRENT (A)	15.8	15.5	15.4
		COMPRESSOR CURRENT (A)	14.3	14.0	13.9
		INDOOR COIL TEMP RISE (°F)	40	33	28
	1400	DISCHARGE PRESSURE (PSIG)	375	344	333
		DISCHARGE TEMPERATURE (°F)	161	164	173
		DISCHARGE SUPERHEAT(°F)	49.2	58.8	69.7
		SUCTION PRESSURE (PSIG)	132	105	89
		SUCTION TEMPERATURE(°F)	53	42	35
		SUCTION SUPERHEAT (°F)	7	8	9
		OUTDOOR UNIT CURRENT (A)	15.1	14.7	14.6
		COMPRESSOR CURRENT (A)	13.7	13.2	13.1
		INDOOR COIL TEMP RISE (°F)	34	27	23
	1650	DISCHARGE PRESSURE (PSIG)	349	329	324
		DISCHARGE TEMPERATURE (°F)	151	167	184
		DISCHARGE SUPERHEAT(°F)	44.4	65.0	82.6
		SUCTION PRESSURE (PSIG)	133	99	84
		SUCTION TEMPERATURE(°F)	54	42	35
		SUCTION SUPERHEAT (°F)	8	11	12
		OUTDOOR UNIT CURRENT (A)	14.2	14.3	14.4
		COMPRESSOR CURRENT (A)	12.7	12.8	12.9
		INDOOR COIL TEMP RISE (°F)	29	22	19
80	1150	DISCHARGE PRESSURE (PSIG)	442	413	401
		DISCHARGE TEMPERATURE (°F)	184	186	195
		DISCHARGE SUPERHEAT(°F)	60.1	67.1	78.6
		SUCTION PRESSURE (PSIG)	135	109	92
		SUCTION TEMPERATURE(°F)	53	41	33
		SUCTION SUPERHEAT (°F)	7	6	5
		OUTDOOR UNIT CURRENT (A)	17.5	17.1	17.1
		COMPRESSOR CURRENT (A)	16.0	15.6	15.6
		INDOOR COIL TEMP RISE (°F)	38	31	27
	1400	DISCHARGE PRESSURE (PSIG)	417	396	376
		DISCHARGE TEMPERATURE (°F)	176	188	194
		DISCHARGE SUPERHEAT(°F)	55.8	71.8	82.2
		SUCTION PRESSURE (PSIG)	133	105	91
		SUCTION TEMPERATURE(°F)	53	42	35
		SUCTION SUPERHEAT (°F)	7	8	9
		OUTDOOR UNIT CURRENT (A)	16.6	16.6	16.2
		COMPRESSOR CURRENT (A)	15.2	15.1	14.7
		INDOOR COIL TEMP RISE (°F)	32	26	22
	1650	DISCHARGE PRESSURE (PSIG)	394	370	369
		DISCHARGE TEMPERATURE (°F)	167	185	210
		DISCHARGE SUPERHEAT(°F)	51.2	74.1	99.2
		SUCTION PRESSURE (PSIG)	134	101	85
		SUCTION TEMPERATURE(°F)	54	43	36
		SUCTION SUPERHEAT (°F)	8	11	12
		OUTDOOR UNIT CURRENT (A)	15.8	15.7	16.0
		COMPRESSOR CURRENT (A)	14.3	14.2	14.5
		INDOOR COIL TEMP RISE (°F)	28	21	18

Standard heating high-speed service data for use with models:

**PHE6B6024**

**PHG6A60\*24**

PHE6B60 SUPERHEAT CHARGING CHART					
OUTDOOR AMBIENT DB	INDOOR DRY BULB				
	60	65	70	75	80
	PRESSURE (PSIG) & SUPERHEAT (°F) AT DISCHARGE PORT				
60	347 (44)	371 (46)	395 (49)	418 (51)	441 (53)
47	327 (54)	349 (56)	372 (59)	398 (63)	424 (66)
40	313 (59)	336 (62)	358 (65)	382 (68)	406 (72)
30	305 (69)	326 (73)	348 (76)	372 (81)	396 (86)
17	288 (79)	310 (84)	332 (89)	357 (96)	382 (102)

PHE6B60/PHG6B60 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
60	1550	DISCHARGE PRESSURE (PSIG)	375	353	335	322	306	288
		DISCHARGE TEMPERATURE (°F)	158	163	166	174	180	184
		DISCHARGE SUPERHEAT(°F)	46	56	62	73	83	91
		SUCTION PRESSURE (PSIG)	123	95	83	69	52	43
		SUCTION TEMPERATURE(°F)	52	39	33	25	12	5
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	19.2	18.4	17.8	17.4	16.8	16.2
		COMPRESSOR CURRENT (A)	17.7	16.9	16.3	15.8	15.2	14.5
	INDOOR COIL TEMP RISE (°F)	43	36	32	28	22	19	
	1800	DISCHARGE PRESSURE (PSIG)	347	327	313	305	288	267
		DISCHARGE TEMPERATURE (°F)	150	156	158	166	172	162
		DISCHARGE SUPERHEAT(°F)	44	54	59	69	79	74
		SUCTION PRESSURE (PSIG)	123	95	83	69	52	51
		SUCTION TEMPERATURE(°F)	52	39	33	25	12	11
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	18.1	17.5	17.0	16.7	16.1	15.4
		COMPRESSOR CURRENT (A)	16.6	15.9	15.4	15.1	14.5	13.7
	INDOOR COIL TEMP RISE (°F)	37	31	28	24	19	18	
	2050	DISCHARGE PRESSURE (PSIG)	330	307	296	291	277	265
		DISCHARGE TEMPERATURE (°F)	147	149	151	160	171	175
		DISCHARGE SUPERHEAT(°F)	44	52	56	66	81	88
		SUCTION PRESSURE (PSIG)	120	94	83	69	52	45
		SUCTION TEMPERATURE(°F)	51	39	32	24	12	6
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	9
OUTDOOR UNIT CURRENT (A)		17.5	16.7	16.4	16.2	15.7	15.3	
COMPRESSOR CURRENT (A)		16.0	15.2	14.8	14.6	14.1	13.6	
INDOOR COIL TEMP RISE (°F)	33	27	24	21	17	15		

## PHE6B60/PHG6B60 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
70	1550	DISCHARGE PRESSURE (PSIG)	426	401	381	368	352	330
		DISCHARGE TEMPERATURE (°F)	173	179	181	191	202	202
		DISCHARGE SUPERHEAT(°F)	51	62	69	81	95	99
		SUCTION PRESSURE (PSIG)	123	96	84	70	52	45
		SUCTION TEMPERATURE(°F)	52	40	33	26	12	6
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	21.2	20.3	19.6	19.1	18.5	17.7
		COMPRESSOR CURRENT (A)	19.7	18.8	18.0	17.5	16.9	16.0
		INDOOR COIL TEMP RISE (°F)	42	35	32	27	22	19
	1800	DISCHARGE PRESSURE (PSIG)	395	372	358	348	332	314
		DISCHARGE TEMPERATURE (°F)	164	170	173	183	192	198
		DISCHARGE SUPERHEAT(°F)	49	59	65	76	89	99
		SUCTION PRESSURE (PSIG)	123	96	83	70	52	45
		SUCTION TEMPERATURE(°F)	52	39	33	25	12	6
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	20.0	19.2	18.7	18.3	17.8	17.1
		COMPRESSOR CURRENT (A)	18.5	17.6	17.1	16.7	16.1	15.5
		INDOOR COIL TEMP RISE (°F)	36	30	27	23	19	17
	2050	DISCHARGE PRESSURE (PSIG)	375	350	340	333	319	306
		DISCHARGE TEMPERATURE (°F)	160	163	167	176	192	196
		DISCHARGE SUPERHEAT(°F)	48	56	62	73	91	99
		SUCTION PRESSURE (PSIG)	121	96	83	70	52	46
		SUCTION TEMPERATURE(°F)	51	39	33	25	12	7
		SUCTION SUPERHEAT (°F)	10	10	10	10	10	9
		OUTDOOR UNIT CURRENT (A)	19.2	18.4	18.0	17.8	17.3	16.8
		COMPRESSOR CURRENT (A)	17.7	16.8	16.4	16.2	15.6	15.2
	INDOOR COIL TEMP RISE (°F)	32	26	24	21	17	15	

PHE6B60/PHG6B60 with nominal coil

ID TEMP (°F)	ID AIRFLOW (SCFM)	OUTDOOR TEMPERATURE (°F)	60	47	40	30	17	10
80	1550	DISCHARGE PRESSURE (PSIG)	477	455	432	418	403	382
		DISCHARGE TEMPERATURE (°F)	187	196	199	211	225	229
		DISCHARGE SUPERHEAT(°F)	57	70	77	91	108	116
		SUCTION PRESSURE (PSIG)	124	97	84	70	53	45
		SUCTION TEMPERATURE(°F)	52	40	34	26	13	6
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	23.4	22.5	21.6	21.0	20.4	19.6
		COMPRESSOR CURRENT (A)	21.9	21.0	20.0	19.4	18.8	17.9
		INDOOR COIL TEMP RISE (°F)	41	35	31	27	21	19
	1800	DISCHARGE PRESSURE (PSIG)	441	424	406	396	382	366
		DISCHARGE TEMPERATURE (°F)	177	187	190	201	215	226
		DISCHARGE SUPERHEAT(°F)	53	66	72	86	102	116
		SUCTION PRESSURE (PSIG)	124	96	84	70	53	45
		SUCTION TEMPERATURE(°F)	52	40	33	26	13	6
		SUCTION SUPERHEAT (°F)	10	10	11	11	10	9
		OUTDOOR UNIT CURRENT (A)	21.8	21.3	20.5	20.2	19.6	19.0
		COMPRESSOR CURRENT (A)	20.3	19.7	19.0	18.6	18.0	17.3
		INDOOR COIL TEMP RISE (°F)	35	30	27	23	19	16
	2050	DISCHARGE PRESSURE (PSIG)	423	400	386	380	356	362
		DISCHARGE TEMPERATURE (°F)	173	179	183	194	193	229
		DISCHARGE SUPERHEAT(°F)	53	63	69	81	85	120
		SUCTION PRESSURE (PSIG)	121	95	84	70	61	45
		SUCTION TEMPERATURE(°F)	52	39	33	25	18	6
		SUCTION SUPERHEAT (°F)	10	10	10	10	9	9
		OUTDOOR UNIT CURRENT (A)	21.1	20.3	19.8	19.5	18.7	18.8
		COMPRESSOR CURRENT (A)	19.6	18.8	18.2	18.0	17.0	17.2
		INDOOR COIL TEMP RISE (°F)	31	26	23	20	18	14

Extended heating high-speed service data  
for use with models:

**PHE6B60**

**PHG6B60**

SIZE (TONS)	ID AIRFLOW (SCFM)	ID DRY BULB	CAPACITY & KW	OUTDOOR TEMPERATURE (°F)							
				-10	0	10	20	30	40	50	60
5	1550	60	MBH	18.1	24.7	30.0	36.7	44.4	52.3	61.2	71.9
			KW	3.6	3.4	3.7	3.9	4.0	4.1	4.3	4.4
		70	MBH	18.3	24.7	29.7	36.3	44.0	51.4	60.2	70.7
			KW	4.0	3.7	4.0	4.3	4.4	3.2	4.7	4.9
		80	MBH	18.1	24.8	30.3	36.0	43.4	50.7	59.0	69.1
			KW	4.3	4.1	4.4	4.7	4.8	5.0	5.2	5.4
	1800	60	MBH	18.1	24.2	30.4	36.9	45.1	52.6	61.3	72.6
			KW	3.5	3.3	3.7	3.8	4.0	4.0	4.2	4.3
		70	MBH	18.1	24.2	29.9	36.6	44.4	51.9	60.3	71.1
			KW	3.9	3.7	4.1	4.2	4.3	4.4	4.6	4.7
		80	MBH	18.0	25.0	29.3	36.3	43.8	51.1	58.9	69.6
			KW	4.3	4.0	4.5	4.7	4.8	4.9	5.1	5.2
	2050	60	MBH	18.5	24.6	30.6	37.8	45.5	52.9	61.5	72.4
			KW	3.8	3.4	3.8	3.8	4.0	4.0	4.1	4.2
		70	MBH	18.5	24.7	30.1	36.2	44.9	52.0	60.4	71.5
			KW	4.1	3.8	4.2	4.3	4.3	4.4	4.5	4.6
		80	MBH	18.5	24.7	29.3	35.9	44.3	51.2	59.3	69.9
			KW	4.5	4.2	4.6	4.7	4.8	4.8	4.9	5.1