

GPG13M COMMERCIAL

SELF-CONTAINED, THREE-PHASE
PACKAGED GAS/ELECTRIC UNITS

13 SEER / 80% AFUE

3, 4, & 5 Ton

Standard Features

- Energy-efficient compressor with internal relief valve
- X-13 blower motor; PSC blower motor on 3-ton units
- Durable, corrosion-resistant aluminized-steel tubular heat exchanger
- Fully charged R-410A system
- Copper tube/aluminum fin coils
- Redundant gas valve for natural gas with easy conversion to propane
- Direct-spark ignition system includes a microprocessor-based control for the entire ignition sequence
- All blower operation and all safety circuits complete with self-diagnostics
- All models comply with California NOx standards
- ARI Certified; ETL Certified

Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Fully insulated cabinet
- One roof curb fits all units
- One footprint; one height
- Convenient access panels
- Fits in a standard-size pick-up truck



COOLING CAPACITIES: 36,000 to 57,000 BTU/H

HEATING CAPACITIES: 92,000 to 138,000 BTU/H

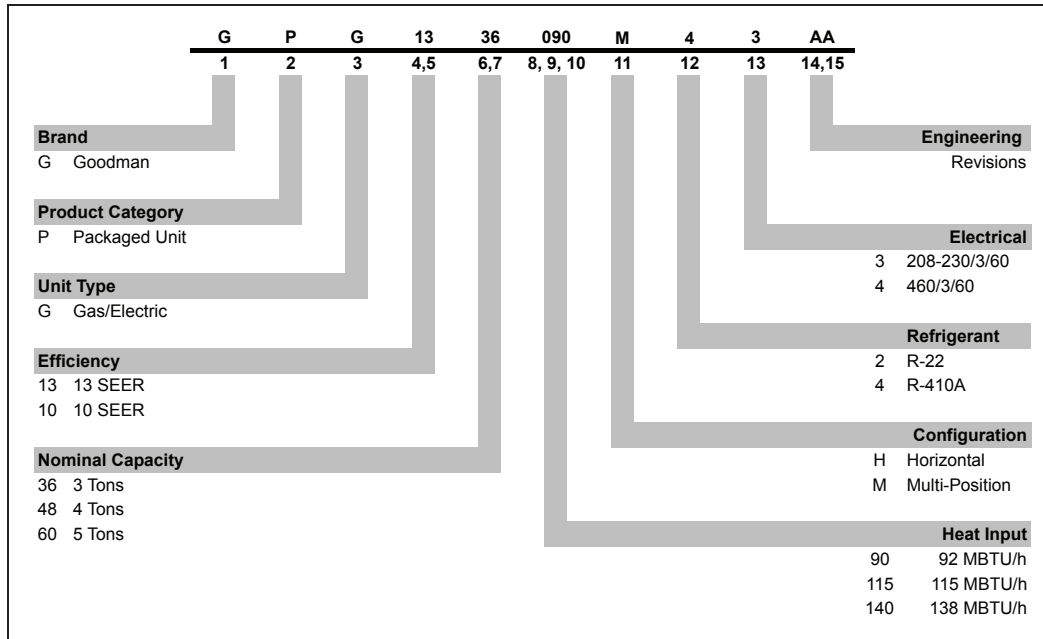
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* Complete warranty details available from your local dealer or at www.amana-hac.com.

NOMENCLATURE



ACCESSORIES

MODEL	DESCRIPTION
20464502PDGK	Horizontal Duct Cover for Large Chassis
LPT-03A	LP Conversion Kit
PCFR101-103	External Filter Rack
PGC101/102/103	Roof Curb
PGED103	Downflow Economizer
PGEH103	Horizontal Economizer
PGFR101/102/103	Internal Filter Rack
PGMDD103	Manual 25% Fresh Air Damper — Downflow Application
PGMDH103	Manual 25% Fresh Air Damper — Horizontal Application
PGMDMD103	Motorized 25% Fresh Air Damper — Downflow Application
PGMDMH103	Motorized 25% Fresh Air Damper — Horizontal Application
SQRPG103	Square-to-Round Adapter with 18" Round — Downflow Application
SQRPGH103	Square-to-Round Adapter with 18" Round — Horizontal Application

Accessories offered by McDaniel Metals • Main: (281) 987-8400 • Fax: (281) 987-9494

SPECIFICATIONS

	GPG1336 ***M43A*	GPG1348 ***M43A*	GPG1360 ***M43A*
COOLING CAPACITY			
Total BTU/h	36,000	46,000	56,500
Sensible BTU/h	27,800	36,700	43,800
SEER / EER	13.0 / 11.0	13.0 / 11.0	13.0 / 10.6
Decibels	78	80	80
AHRI #s	4385095	4385098	4385100
HEATING CAPACITY			
Input BTU/h	92,000	92,000	92,000
Output BTU/h	73,600	73,600	73,600
AFUE	80	80	80
Temperature Rise Range	45 - 75	45 - 75	45 - 75
No. of Burners	4	4	4
Orifice Size (Natural/Propane)	43/ 55	43/ 55	43 / 55
EVAPORATOR MOTOR / COIL			
Type	PSC	EEM	EEM
Wheel (D x W)	10" x 9"	11" x 10"	11" x 10"
Indoor Nominal CFM	1,250	1,520	1,750
Motor Speed Tap (Cooling)	low	T4	T4
RPM/Amps (Cooling)	910/3.06	1050/5.8	1,050/7.4
Horsepower	1/8	3/4"	1.0
Face Area (ft ²)	5.67	5.67	5.67
Rows Deep/Fins per Inch	4/14	4/14	4/14
Piston Size (Cooling)	0.068	0.076	0.087
Filter Size (ft ²)	4.2	5.1	6.3
Drain Size (NPT)	3/8"	3/4"	3/4"
Refrigerant Charge (oz.)	110	125	185
CONDENSER FAN			
Horsepower - RPM	1/4 - 830	1/4 - 1075	1/4 - 1100
Fan Diameter/# of Fan Blades	22" / 3	22" / 3	22" / 3
Outdoor Nominal CFM	3,500	3,500	3,250
COIL			
Face Area (ft ²)	15.4	15.4	15.4
Rows Deep/Fins per Inch	1/24	1/24	2/24
COMPRESSOR			
Quantity / Type / Stage	1 / Scroll / Single	1 / Scroll / Single	1 / Scroll / Single
Compressor RLA/LRA	10.4/73.0	13.1/83.1	16.0/ 134
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	208/230-3-60
Indoor Blower FLA/LRA	3.06/4.1	5.8	7.4
Outdoor Fan RLA/LRA	1.5 / 3.0	1.4/ 2.9	1.4/ 2.9
Total Unit Amps	15	20.3	24.8
Min. Circuit Ampacity	17.6	23.6	29
Max. Overcurrent Protection	25 amps	35 amps	45 amps
Entrance Size Power Supply	1 1/8"	1 1/8"	1 1/8"
Entrance Size Control Voltage	7/8"	7/8"	7/8"
OPERATING WEIGHT (LBS)	490	523	533
SHIP WEIGHT (LBS)	513	545	555

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

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

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

AIRFLOW SPECIFICATIONS

GP613 - 3-Ton, 230/208, 3-Phase Models with PSC Motor

MOTOR SPEED	HIGH				MEDIUM				LOW			
E.S.P	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS
0.1	1655	604	878	2.67	1469	494	804	2.24	1100	342	665	1.57
0.2	1579	587	903	2.68	1409	480	833	2.15	1037	335	697	1.52
0.3	1483	567	925	2.62	1327	459	866	2.08	991	320	760	1.45
0.4	1407	547	953	2.53	1257	442	903	2.0	926	308	818	1.39
0.5	1329	522	980	2.44	1163	419	942	1.89	831	290	872	1.32
0.6	1210	498	1004	2.35	1094	398	968	1.8	773	279	902	1.25
0.7	1036	464	1033	2.24	942	363	1002	1.65	669	260	945	1.17
0.8	-	-	-	-	-	-	-	-	-	-	-	-

GP613 - 4-Ton, 3-Phase Models with X-13 Motor — HEATING

MOTOR SPEED	T1 (HEATING SPEED)				T2 (HEATING SPEED)				T3 (HEATING SPEED)			
E.S.P	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS
0.1	-	-	-	-	-	-	-	-	-	-	-	-
0.2	914	125	611	1.07	1105	186	686	1.56	1397	323	801	2.57
0.3	822	134	652	1.14	1024	193	712	1.6	1346	331	828	2.67
0.4	733	140	691	1.2	967	202	747	1.65	1288	342	845	2.76
0.5	664	150	733	1.26	884	214	786	1.76	1273	352	855	2.82
0.6	606	154	765	1.28	816	220	818	1.78	1178	359	889	2.88
0.7	584	162	792	1.32	769	230	854	1.85	1120	369	925	2.97
0.8	551	164	801	1.34	698	236	880	1.89	1057	381	941	3.09

GP613 - 4-Ton, 3-Phase Models — COOLING

MOTOR SPEED	T4 (COOLING SPEED)				T5 (COOLING SPEED)			
E.S.P	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS
0.1	-	-	-	-	-	-	-	-
0.2	1593	449	884	3.55	1699	532	921	4.22
0.3	1545	463	905	3.69	1654	539	944	4.25
0.4	1506	476	934	3.82	1610	551	969	4.3
0.5	1448	481	950	3.87	1545	557	989	4.36
0.6	1400	493	972	3.95	1512	566	1002	4.41
0.7	1341	502	991	4.03	1433	578	1019	4.59
0.8	1289	511	1013	4.11	1392	591	1036	4.65

AIRFLOW SPECIFICATIONS WITH EEM MOTOR

GPG13 - 5-TON, 3-PHASE MODELS — HEATING

MOTOR SPEED	T1 (HEATING SPEED)				T2 (HEATING SPEED)				T3 (HEATING SPEED)			
E.S.P	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS
0.1	1125	162	645	1.44	1466	315	783	2.67	1780	496	914	3.33
0.2	1049	168	678	1.53	1384	322	817	2.74	1730	506	937	3.89
0.3	1000	178	708	1.6	1347	329	839	2.78	1664	520	955	4.01
0.4	910	184	741	1.64	1291	341	865	2.83	1608	526	977	4.03
0.5	857	197	783	1.75	1237	350	894	2.9	1568	532	997	4.12
0.6	809	201	807	1.83	1185	362	921	3.05	1515	546	1020	4.14
0.7	739	207	838	1.86	1134	369	945	3.09	1477	552	1040	4.18
0.8	703	218	869	1.96	1087	382	976	3.21	1422	562	1062	4.23

GPG13 - 5-TON, 3-PHASE MODELS — COOLING

MOTOR SPEED	T4 (COOLING SPEED)				T5 (COOLING SPEED)			
E.S.P	CFM	WATTS	RPM	AMPS	CFM	WATTS	RPM	AMPS
0.1	1942	649	993	4.83	2067	792	1054	5.81
0.2	1883	657	1010	4.87	2030	811	1077	5.85
0.3	1859	670	1029	4.96	1982	814	1088	5.88
0.4	1827	675	1047	4.97	1909	808	1101	5.86
0.5	1749	683	1069	4.99	1842	798	1110	5.85
0.6	1706	693	1083	5.1	1789	772	1117	5.65
0.7	1655	703	1104	5.12	1703	763	1129	5.58
0.8	1588	705	1120	5.11	1618	732	1135	5.29

EXPANDED COOLING DATA — GPG1336***M43A*

IDB		OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		ENTERING INDOOR WET BULB TEMPERATURE																								
AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1350	MBh	35.1	36.4	39.8	-	34.3	35.5	38.9	-	33.4	34.7	38.0	-	32.6	33.8	37.1	-	31.0	32.1	35.2	-	28.7	29.8	32.6	-
		S/T	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
		kW	2.6	2.6	2.7	-	2.8	2.8	2.9	-	2.9	3.0	3.1	-	3.1	3.1	3.2	-	3.2	3.3	3.4	-	3.3	3.4	3.5	-
		Amps	8.4	8.6	8.8	-	8.9	9.1	9.3	-	9.5	9.7	9.9	-	10.0	10.2	10.4	-	10.5	10.7	10.9	-	11.0	11.2	11.5	-
	1200	HI PR	249	268	283	-	280	301	318	-	318	343	362	-	363	390	412	-	408	439	463	-	451	485	512	-
		LO PR	111	119	129	-	118	125	137	-	122	130	142	-	129	137	149	-	135	143	156	-	139	148	162	-
		MBh	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.8	36.0	-	30.1	31.2	34.2	-	27.9	28.9	31.7	-
		S/T	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.9	0.7	0.5	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
1050	kW	2.6	2.6	2.7	-	2.7	2.8	2.9	-	2.9	3.0	3.1	-	3.0	3.1	3.2	-	3.2	3.2	3.3	-	3.3	3.4	3.5	-	
	Amps	8.4	8.5	8.7	-	8.8	9.0	9.2	-	9.4	9.6	9.8	-	9.9	10.1	10.3	-	10.4	10.6	10.9	-	10.9	11.1	11.4	-	
	HI PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	435	459	-	446	480	507	-	
	LO PR	110	117	128	-	117	124	135	-	121	129	141	-	127	135	148	-	133	142	155	-	138	147	160	-	
	MBh	31.4	32.6	35.7	-	30.7	31.8	34.9	-	30.0	31.1	34.0	-	29.2	30.3	33.2	-	27.8	28.8	31.5	-	25.7	26.7	29.2	-	
	S/T	0.7	0.6	0.4	-	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	
	kW	2.5	2.5	2.6	-	2.7	2.7	2.8	-	2.8	2.9	3.0	-	3.0	3.0	3.1	-	3.1	3.2	3.3	-	3.2	3.3	3.4	-	
	Amps	8.2	8.3	8.5	-	8.7	8.8	9.0	-	9.2	9.4	9.6	-	9.7	9.9	10.1	-	10.2	10.4	10.6	-	10.6	10.8	11.1	-	
	HI PR	240	258	272	-	269	289	305	-	306	329	347	-	348	375	396	-	392	422	445	-	433	466	492	-	
LO PR	107	114	124	-	113	120	131	-	118	125	136	-	123	131	143	-	129	138	150	-	134	142	155	-		

75	MBh	35.7	36.7	39.8	42.7	34.8	35.9	38.8	41.7	34.0	35.0	37.9	40.7	33.2	34.2	37.0	39.7	31.5	32.5	35.1	37.7	29.2	30.1	32.5	34.9
	S/T	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4
	ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	21	20	16	11	20	19	15	11
	kW	2.6	2.6	2.7	2.8	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.2	3.1	3.2	3.3	3.4	3.2	3.3	3.4	3.5	3.3	3.4	3.5	3.6
	Amps	8.5	8.6	8.8	9.1	9.0	9.1	9.4	9.6	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8	10.5	10.7	11.0	11.4	11.0	11.3	11.6	11.9
	HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540
	LO PR	113	120	131	139	119	127	138	147	124	131	144	153	130	138	151	161	136	145	158	168	141	150	163	174
	MBh	34.6	35.7	38.6	41.4	33.8	34.8	37.7	40.5	33.0	34.0	36.8	39.5	32.2	33.2	35.9	38.5	30.6	31.5	34.1	36.6	28.4	29.2	31.6	33.9
	S/T	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4
	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
1200	kW	2.6	2.6	2.7	2.8	2.8	2.8	2.9	3.0	2.9	3.0	3.1	3.2	3.1	3.2	3.3	3.4	3.2	3.3	3.4	3.5	3.3	3.4	3.5	3.6
	Amps	8.4	8.6	8.8	9.0	8.9	9.1	9.3	9.5	9.5	9.7	9.9	10.2	10.0	10.2	10.4	10.7	10.5	10.7	11.0	11.3	11.0	11.2	11.5	11.8
	HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	483	451	485	512	534
	LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172
	MBh	32.0	32.9	35.6	38.2	31.2	32.2	34.8	37.3	30.5	31.4	34.0	36.5	29.7	30.6	33.1	35.6	28.3	29.1	31.5	33.8	26.2	26.9	29.2	31.3
	S/T	0.8	0.7	0.6	0.4	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11
	kW	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.1	3.0	3.1	3.2	3.3	3.1	3.2	3.3	3.4	3.2	3.3	3.4	3.5
	Amps	8.2	8.4	8.6	8.8	8.7	8.9	9.1	9.4	9.3	9.4	9.7	10.0	9.8	9.9	10.2	10.5	10.2	10.4	10.7	11.0	10.7	10.9	11.2	11.6
	HI PR	242	260	275	287	272	292	309	322	309	332	351	366	352	378	400	417	396	426	450	469	437	470	497	518
	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.

Shaded area reflects ACCA (TVA) conditions

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

kW = Total system power

EXPANDED COOLING DATA — GPG1336***M43A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE										105										115									
		65					75					85					95					105					115				
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	MBh	36.3	37.1	39.6	42.4	35.5	36.2	38.7	41.4	34.6	35.4	37.8	40.4	33.8	34.5	36.9	39.4	32.1	32.8	35.0	37.4	29.7	30.4	32.4	34.7	29.7	30.4	32.4	34.7		
	S/T	1.0	0.9	0.7	0.6	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.9	0.6		
	ΔT	25	23	20	16	24	23	20	16	24	23	20	16	23	24	20	16	22	22	20	16	20	21	19	15	20	21	19	15		
	kW	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.2	3.3	3.4	3.3	3.3	3.4	3.5	3.4	3.4	3.5	3.7	3.4	3.4	3.5	3.7		
	Amps	8.5	8.7	8.9	9.1	9.0	9.2	9.4	9.7	9.6	9.8	10.0	10.3	10.1	10.3	10.6	10.9	10.6	10.8	11.1	11.5	11.1	11.3	11.6	12.0	11.1	11.3	11.6	12.0		
	HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545	460	495	523	545		
	LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	142	151	165	176		
	MBh	35.3	36.0	38.5	41.1	34.4	35.2	37.6	40.2	33.6	34.3	36.7	39.2	32.8	33.5	35.8	38.3	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7	28.9	29.5	31.5	33.7		
	S/T	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6		
	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	22	23	20	16	22	23	20	16		
	kW	2.6	2.6	2.7	2.8	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.2	3.1	3.2	3.3	3.4	3.2	3.3	3.4	3.5	3.3	3.4	3.5	3.6	3.3	3.4	3.5	3.6		
Amps	8.5	8.6	8.8	9.1	9.0	9.1	9.4	9.6	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8	10.5	10.7	11.0	11.4	11.0	11.3	11.6	11.9	11.0	11.3	11.6	11.9			
HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	540	455	490	517	540			
LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	163	174	141	150	163	174			
1050	MBh	32.5	33.2	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1	26.6	27.2	29.1	31.1		
	S/T	0.9	0.8	0.7	0.5	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.7	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6		
	ΔT	25	24	21	17	26	25	21	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16	24	23	20	16		
	kW	2.5	2.6	2.7	2.7	2.7	2.8	2.9	2.9	2.9	2.9	3.0	3.1	3.0	3.1	3.2	3.3	3.1	3.2	3.3	3.4	3.3	3.3	3.4	3.5	3.3	3.3	3.4	3.5		
	Amps	8.3	8.4	8.6	8.9	8.8	8.9	9.2	9.4	9.3	9.5	9.8	10.0	9.8	10.0	10.3	10.6	10.3	10.5	10.8	11.1	10.8	11.0	11.3	11.6	10.8	11.0	11.3	11.6		
	HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523	442	475	502	523		
	LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169	137	145	159	169		

		OUTDOOR AMBIENT TEMPERATURE										105										115									
		65					75					85					95					105					115				
IDB	AIRFLOW	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
1350	MBh	36.9	37.7	39.4	42.1	36.1	36.8	38.5	41.1	35.2	35.9	37.6	40.1	34.4	35.0	36.7	39.1	32.6	33.3	34.9	37.2	30.2	30.8	32.3	34.4	30.2	30.8	32.3	34.4	34.4	
	S/T	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.8	0.8	1.0	1.0	0.8	0.8	1.0	1.0	0.8	0.8	1.0	1.0	0.8	0.8	0.8	
	ΔT	25	25	24	21	25	25	24	21	24	24	24	21	23	24	24	21	22	23	24	21	21	21	22	19	21	21	22	19	19	
	kW	2.6	2.7	2.8	2.9	2.8	2.9	3.0	3.1	3.0	3.1	3.2	3.3	3.1	3.2	3.3	3.4	3.3	3.3	3.5	3.6	3.4	3.5	3.6	3.7	3.4	3.5	3.6	3.7	3.7	
	Amps	8.6	8.7	8.9	9.2	9.1	9.3	9.5	9.8	9.7	9.9	10.1	10.4	10.2	10.4	10.7	11.0	10.7	10.9	11.2	11.5	11.2	11.4	11.7	12.1	11.2	11.4	11.7	12.1	12.1	
	HI PR	257	277	292	305	288	310	328	342	328	353	373	389	374	402	425	443	420	452	478	498	464	500	528	550	464	500	528	550	550	
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	148	161	172	144	153	167	178	144	153	167	178	178	
	MBh	35.9	36.6	38.3	40.9	35.0	35.7	37.4	39.9	34.2	34.9	36.5	39.0	33.4	34.0	35.6	38.0	31.7	32.3	33.8	36.1	29.4	29.9	31.3	33.4	29.4	29.9	31.3	33.4	33.4	
1200	S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.8	0.8	1.0	1.0	0.8	0.8	1.0	1.0	0.8	0.8	0.8	
	ΔT	27	26	25	21	27	27	25	22	26	27	25	22	26	26	25	22	24	25	25	22	22	23	20	20	22	23	20	20	20	
	kW	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.2	3.3	3.4	3.3	3.3	3.4	3.5	3.4	3.4	3.5	3.7	3.4	3.4	3.5	3.7	3.7	
	Amps	8.5	8.7	8.9	9.1	9.0	9.2	9.4	9.7	9.6	9.8	10.0	10.3	10.1	10.3	10.6	10.9	10.6	10.8	11.1	11.5	11.1	11.3	11.6	12.0	11.1	11.3	11.6	12.0	12.0	
	HI PR	255	274	289	302	286	307	325	338	325	350	369	385	370	398	420	438	416	448	473	493	460	495	523	545	460	495	523	545	545	
	LO PR	114	121	132	141	120	128	140	149	125	133	145	154	131	140	152	162	137	146	160	170	142	151	165	176	142	151	165	176	176	
	MBh	33.1	33.7	35.3	37.7	32.3	33.0	34.5	36.8	31.6	32.2	33.7	36.0	30.8	31.4	32.9	35.1	29.3	29.8	31.2	33.3	27.1	27.6	28.9	30.9	27.1	27.6	28.9	30.9	30.9	
	S/T	0.9	0.9	0.8	0.7	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8	0.8	
1050	ΔT	27	27	25	22	27	27	26	22	28	27	26	22	27	27	26	22	26	26	25	22	24	24	21	21	24	24	21	21	21	
	kW	2.6	2.6	2.7	2.8	2.7	2.8	2.9	3.0	2.9	3.0	3.1	3.2	3.0	3.1	3.2	3.3	3.2	3.2	3.3	3.5	3.3	3.4	3.5	3.6	3.3	3.4	3.5	3.6	3.6	
	Amps	8.4	8.5	8.7	8.9	8.8	9.0	9.2	9.5	9.4	9.6	9.8	10.1	9.9	10.1	10.3	10.7	10.4	10.6	10.9	11.2	10.9	11.1	11.4	11.7	10.9	11.1	11.4	11.7	11.7	
	HI PR	247	266	281	293	277	298	315	328	315	339	358	373	359	386	408	425	404	434	459	478	446	480	507	529	446	480	507	529	529	
	LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	171	138	147	160	171	171	

EXPANDED COOLING DATA — GPG1348***M43A*

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		ENTERING INDOOR W/ET BULB TEMPERATURE																																			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70		MBh	45.4	47.0	51.5	-	44.3	45.9	50.3	-	43.3	44.9	49.1	-	42.2	43.8	47.9	-	40.1	41.6	45.5	-	37.2	38.5	42.2	-	37.2	38.5	42.2	-	37.2	38.5	42.2	-			
		S/T	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-			
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	18	16	12	-			
	1700	kW	3.3	3.3	3.4	-	3.5	3.6	3.7	-	3.7	3.8	3.9	-	3.9	4.0	4.1	-	4.0	4.1	4.3	-	4.2	4.3	4.4	-	4.2	4.3	4.4	-	4.2	4.3	4.4	-			
		Amps	11.7	11.9	12.1	-	12.3	12.5	12.7	-	13.0	13.2	13.4	-	13.5	13.7	14.0	-	14.1	14.3	14.6	-	14.6	14.9	15.2	-	14.6	14.9	15.2	-	14.6	14.9	15.2	-			
		HI PR	241	259	274	-	270	291	307	-	308	331	349	-	350	377	398	-	394	424	448	-	435	468	495	-	435	468	495	-	435	468	495	-			
		LO PR	115	123	134	-	122	129	141	-	126	135	147	-	133	141	154	-	139	148	162	-	144	153	167	-	144	153	167	-	144	153	167	-			
		MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-	36.6	37.9	41.6	-	36.6	37.9	41.6	-			
		S/T	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-			
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	19	16	12	-	19	16	12	-			
		kW	3.3	3.3	3.4	-	3.5	3.6	3.7	-	3.7	3.8	3.9	-	3.9	3.9	4.1	-	4.0	4.1	4.2	-	4.2	4.2	4.4	-	4.2	4.2	4.4	-	4.2	4.2	4.4	-			
		Amps	11.7	11.9	12.1	-	12.3	12.4	12.7	-	12.9	13.1	13.4	-	13.5	13.7	14.0	-	14.0	14.2	14.6	-	14.6	14.8	15.1	-	14.6	14.8	15.1	-	14.6	14.8	15.1	-			
		HI PR	239	258	272	-	269	289	305	-	305	329	347	-	348	374	395	-	391	421	445	-	432	465	491	-	432	465	491	-	432	465	491	-			
		LO PR	114	122	133	-	121	129	140	-	126	134	146	-	132	140	153	-	138	147	161	-	143	152	166	-	143	152	166	-	143	152	166	-			
1330		MBh	41.3	42.8	46.9	-	40.3	41.8	45.8	-	39.4	40.8	44.7	-	38.4	39.8	43.6	-	36.5	37.8	41.4	-	33.8	35.0	38.4	-	33.8	35.0	38.4	-	33.8	35.0	38.4	-			
		S/T	0.7	0.6	0.4	-	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-			
		ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	19	17	13	-	19	17	13	-			
		kW	3.2	3.3	3.3	-	3.4	3.5	3.6	-	3.6	3.7	3.8	-	3.8	3.9	4.0	-	3.9	4.0	4.1	-	4.1	4.1	4.3	-	4.1	4.1	4.3	-	4.1	4.1	4.3	-			
		Amps	11.5	11.7	11.9	-	12.1	12.2	12.5	-	12.7	12.9	13.1	-	13.2	13.4	13.7	-	13.8	14.0	14.3	-	14.3	14.5	14.9	-	14.3	14.5	14.9	-	14.3	14.5	14.9	-			
		HI PR	232	250	264	-	260	280	296	-	296	319	337	-	337	363	383	-	380	408	431	-	419	451	477	-	419	451	477	-	419	451	477	-			
		LO PR	111	118	129	-	117	125	136	-	122	130	141	-	128	136	149	-	134	143	156	-	139	148	161	-	139	148	161	-	139	148	161	-			

75	1700	MBh	46.2	47.5	51.4	55.2	45.1	46.4	50.2	53.9	44.0	45.3	49.0	52.6	42.9	44.2	47.8	51.4	40.8	42.0	45.5	48.8	37.8	38.9	42.1	45.2
		S/T	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4
		ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	20	19	16	11
		kW	3.3	3.4	3.5	3.6	3.5	3.6	3.7	3.8	3.7	3.8	3.9	4.1	3.9	4.0	4.1	4.3	4.1	4.2	4.3	4.4	4.2	4.3	4.4	4.6
		Amps	11.8	12.0	12.2	12.5	12.4	12.6	12.8	13.1	13.0	13.2	13.5	13.8	13.6	13.8	14.1	14.5	14.2	14.4	14.7	15.1	14.7	15.0	15.3	15.7
		HI PR	243	262	277	289	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
		LO PR	116	124	135	144	123	131	143	152	128	136	148	158	134	143	156	166	141	150	163	174	145	155	169	180
		MBh	45.5	46.8	50.7	54.4	44.4	45.7	49.5	53.1	43.4	44.6	48.3	51.9	42.3	43.6	47.1	50.6	40.2	41.4	44.8	48.1	37.2	38.3	41.5	44.5
	1520	S/T	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4
		ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
		kW	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.7	3.8	3.9	4.0	3.9	4.0	4.1	4.2	4.1	4.1	4.3	4.4	4.2	4.3	4.4	4.5
		Amps	11.8	11.9	12.2	12.4	12.3	12.5	12.8	13.1	13.0	13.2	13.5	13.8	13.5	13.8	14.1	14.4	14.1	14.3	14.7	15.0	14.7	14.9	15.2	15.6
		HI PR	242	260	275	287	271	292	308	321	308	332	351	366	351	378	399	416	395	425	449	468	437	470	496	518
		LO PR	116	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	140	149	162	173	144	154	168	179
1330	MBh	42.0	43.2	46.8	50.2	41.0	42.2	45.7	49.0	40.0	41.2	44.6	47.9	39.0	40.2	43.5	46.7	37.1	38.2	41.3	44.4	34.4	35.4	38.3	41.1	
	S/T	0.8	0.7	0.6	0.4	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	
	ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12	
	kW	3.2	3.3	3.4	3.5	3.4	3.5	3.6	3.7	3.6	3.7	3.8	3.9	3.8	3.9	4.0	4.1	4.0	4.0	4.2	4.3	4.1	4.2	4.3	4.4	
	Amps	11.6	11.7	12.0	12.2	12.1	12.3	12.5	12.8	12.8	12.9	13.2	13.5	13.3	13.5	13.8	14.1	13.8	14.1	14.4	14.7	14.4	14.6	15.0	15.3	
	HI PR	234	252	266	278	263	283	299	312	299	322	340	355	341	367	387	404	383	413	436	454	424	456	481	502	
	LO PR	112	119	130	139	118	126	138	146	123	131	143	152	129	138	150	160	135	144	157	168	140	149	163	173	

EXPANDED COOLING DATA — GPG1348***M43A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE												115																	
		65						75						85						95						105					
		ENTERING INDOOR WET BULB TEMPERATURE																													
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	1700	MBh	47.0	48.0	51.3	54.8	45.9	46.9	50.1	53.5	44.8	45.8	48.9	52.3	43.7	44.7	47.7	51.0	41.5	42.4	45.3	48.4	38.5	39.3	42.0	44.9	38.5	39.3	42.0	44.9	
		S/T	1.0	0.9	0.7	0.6	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.9	0.6	
	ΔT	25	24	21	16	25	24	21	17	24	24	21	17	24	24	21	17	22	23	21	17	21	21	19	15	21	21	19	15		
	kW	3.3	3.4	3.5	3.6	3.6	3.6	3.7	3.9	3.8	3.8	4.0	4.1	4.0	4.0	4.2	4.3	4.1	4.2	4.3	4.5	4.2	4.3	4.5	4.6	4.2	4.3	4.5	4.6		
	Amps	11.9	12.0	12.3	12.6	12.4	12.6	12.9	13.2	13.1	13.3	13.6	13.9	13.7	13.9	14.2	14.6	14.3	14.5	14.8	15.2	14.8	15.1	15.4	15.8	14.8	15.1	15.4	15.8		
	HI PR	246	265	279	291	276	297	314	327	314	338	357	372	357	385	406	424	402	433	457	477	444	478	505	527	444	478	505	527		
	LO PR	118	125	137	145	124	132	144	154	129	137	150	160	136	144	157	168	142	151	165	176	147	156	171	182	147	156	171	182		
	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	47.0	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2	37.9	38.7	41.4	44.2		
	S/T	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.6	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6		
	ΔT	26	25	22	17	26	25	22	18	26	25	22	18	26	26	22	18	25	25	22	17	23	23	20	16	23	23	20	16		
1320	kW	3.3	3.4	3.5	3.6	3.5	3.6	3.7	3.8	3.7	3.8	3.9	4.1	3.9	4.0	4.1	4.3	4.1	4.2	4.3	4.4	4.2	4.3	4.4	4.6	4.2	4.3	4.4	4.6		
	Amps	11.8	12.0	12.2	12.5	12.4	12.6	12.8	13.1	13.1	13.3	13.5	13.9	13.6	13.8	14.1	14.5	14.2	14.4	14.7	15.1	14.8	15.0	15.3	15.7	14.8	15.0	15.3	15.7		
	HI PR	244	263	277	289	274	295	311	325	312	335	354	369	355	382	403	421	399	430	454	473	441	475	501	523	441	475	501	523		
	LO PR	117	124	136	144	123	131	143	153	128	136	149	159	135	143	156	167	141	150	164	175	146	155	169	180	146	155	169	180		
	MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8	35.0	35.7	38.2	40.8		
	S/T	0.9	0.8	0.7	0.5	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6		
	ΔT	27	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17	25	24	21	17		
	kW	3.2	3.3	3.4	3.5	3.5	3.5	3.6	3.7	3.7	3.7	3.8	4.0	3.8	3.9	4.0	4.2	4.0	4.1	4.2	4.3	4.1	4.2	4.3	4.5	4.1	4.2	4.3	4.5		
	Amps	11.6	11.8	12.0	12.3	12.2	12.4	12.6	12.9	12.8	13.0	13.3	13.6	13.4	13.6	13.9	14.2	13.9	14.2	14.5	14.8	14.5	14.7	15.0	15.4	14.5	14.7	15.0	15.4		
	HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507	428	460	486	507		
LO PR	113	120	131	140	120	127	139	148	124	132	144	154	131	139	152	162	137	146	159	169	142	151	164	175	142	151	164	175			

85	1700	MBh	47.8	48.7	51.0	54.4	46.7	47.6	49.8	53.2	45.6	46.5	48.7	51.9	44.5	45.3	47.5	50.6	42.2	43.1	45.1	48.1	39.1	39.9	41.8	44.6
		S/T	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8
		ΔT	26	26	25	21	25	26	25	21	25	25	25	21	24	25	25	22	23	23	24	21	21	22	23	20
		kW	3.4	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.8	3.9	4.0	4.1	4.0	4.1	4.2	4.3	4.1	4.2	4.4	4.5	4.3	4.4	4.5	4.6
		Amps	11.9	12.1	12.3	12.6	12.5	12.7	13.0	13.3	13.2	13.4	13.7	14.0	13.8	14.0	14.3	14.6	14.3	14.6	14.9	15.3	14.9	15.2	15.5	15.9
		HI PR	248	267	282	294	279	300	317	330	317	341	360	376	361	388	410	428	406	437	461	481	449	483	510	532
		LO PR	119	126	138	147	125	133	146	155	130	139	151	161	137	146	159	169	143	153	167	177	148	158	172	184
		MBh	47.1	48.0	50.3	53.6	46.0	46.9	49.1	52.4	44.9	45.8	47.9	51.1	43.8	44.7	46.8	49.9	41.6	42.4	44.4	47.4	38.5	39.3	41.2	43.9
	1520	S/T	1.0	0.9	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8
		ΔT	28	27	26	22	28	28	26	23	27	28	26	23	26	27	26	23	25	26	26	23	23	24	24	21
		kW	3.3	3.4	3.5	3.6	3.6	3.6	3.7	3.9	3.8	3.9	4.0	4.1	4.0	4.0	4.2	4.3	4.1	4.2	4.3	4.5	4.3	4.3	4.5	4.6
		Amps	11.9	12.1	12.3	12.6	12.5	12.6	12.9	13.2	13.1	13.3	13.6	13.9	13.7	13.9	14.2	14.6	14.3	14.5	14.8	15.2	14.8	15.1	15.4	15.8
		HI PR	247	265	280	292	277	298	314	328	315	339	358	373	358	386	407	425	403	434	458	478	446	479	506	528
		LO PR	118	125	137	146	125	132	145	154	129	138	150	160	136	145	158	168	142	152	165	176	147	157	171	182
		MBh	43.5	44.3	46.4	49.5	42.5	43.3	45.3	48.4	41.4	42.2	44.2	47.2	40.4	41.2	43.2	46.0	38.4	39.2	41.0	43.7	35.6	36.3	38.0	40.5
		S/T	0.9	0.9	0.8	0.7	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8
	1330	ΔT	28	28	26	23	29	28	27	23	29	28	27	23	28	28	27	23	27	27	26	23	25	25	25	21
		kW	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.7	3.8	3.9	4.0	3.9	3.9	4.1	4.2	4.0	4.1	4.2	4.4	4.1	4.2	4.4	4.5
Amps		11.7	11.9	12.1	12.4	12.3	12.4	12.7	13.0	12.9	13.1	13.4	13.7	13.5	13.7	14.0	14.3	14.0	14.2	14.6	14.9	14.6	14.8	15.1	15.5	
HI PR		239	257	272	284	268	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	512	
LO PR		114	122	133	141	121	129	140	149	126	134	146	155	132	140	153	163	138	147	161	171	143	152	166	177	

EXPANDED COOLING DATA — GP61360***M43A*

IDB		OUTDOOR AMBIENT TEMPERATURE																									
		65				75				85				95				105				115					
		ENTERING INDOOR WET BULB TEMPERATURE																									
AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71			
70	2035	MBh	56.3	58.4	64.0	-	55.0	57.0	62.5	-	53.7	55.7	61.0	-	52.4	54.3	59.5	-	49.8	51.6	56.5	-	46.1	47.8	52.4	-	
		S/T	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.9	0.7	0.5	-	0.9	0.7	0.5	-	
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
	1810	kW	4.3	4.3	4.5	-	4.6	4.7	4.8	-	4.8	4.9	5.1	-	5.1	5.2	5.3	-	5.3	5.4	5.6	-	5.5	5.6	5.7	-	
		Amps	13.0	13.2	13.5	-	13.7	14.0	14.4	-	14.6	14.9	15.3	-	15.4	15.7	16.1	-	16.2	16.5	17.0	-	17.0	17.3	17.8	-	
		HI PR	241	260	274	-	271	291	308	-	308	331	350	-	351	377	399	-	395	425	448	-	436	469	495	-	
	1590	LO PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	
		MBh	54.7	56.7	62.1	-	53.4	55.4	60.7	-	52.2	54.1	59.2	-	50.9	52.7	57.8	-	48.3	50.1	54.9	-	44.8	46.4	50.9	-	
		S/T	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	
	70	2035	ΔT	20	18	13	-	21	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	13	-
			kW	4.2	4.3	4.4	-	4.5	4.6	4.8	-	4.8	4.9	5.1	-	5.0	5.1	5.3	-	5.2	5.3	5.5	-	5.4	5.5	5.7	-
			Amps	12.9	13.1	13.4	-	13.7	13.9	14.3	-	14.5	14.8	15.2	-	15.3	15.6	16.0	-	16.1	16.4	16.8	-	16.8	17.2	17.6	-
1810		HI PR	239	257	272	-	268	289	305	-	305	328	346	-	347	374	395	-	391	420	444	-	432	465	491	-	
		LO PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-	
		MBh	50.5	52.3	57.3	-	49.3	51.1	56.0	-	48.1	49.9	54.7	-	47.0	48.7	53.3	-	44.6	46.2	50.7	-	41.3	42.8	46.9	-	
1590		S/T	0.7	0.6	0.4	-	0.7	0.6	0.4	-	0.7	0.6	0.4	-	0.8	0.6	0.4	-	0.8	0.7	0.5	-	0.8	0.7	0.5	-	
		ΔT	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-	
		kW	4.1	4.2	4.3	-	4.4	4.5	4.7	-	4.7	4.8	4.9	-	4.9	5.0	5.2	-	5.1	5.2	5.4	-	5.3	5.4	5.6	-	
70		Amps	12.6	12.8	13.2	-	13.4	13.6	14.0	-	14.2	14.5	14.9	-	15.0	15.3	15.7	-	15.7	16.0	16.5	-	16.5	16.8	17.2	-	
		HI PR	232	249	263	-	260	280	296	-	296	318	336	-	337	363	383	-	379	408	431	-	419	451	476	-	
		LO PR	105	111	122	-	111	118	129	-	115	122	134	-	121	129	140	-	127	135	147	-	131	139	152	-	

2035	MBh	57.3	59.0	63.9	68.5	56.0	57.6	62.4	66.9	54.6	56.3	60.9	65.3	53.3	54.9	59.4	63.8	50.6	52.1	56.4	60.6	46.9	48.3	52.3	56.1
	S/T	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.6	0.4	1.0	0.9	0.7	0.4	1.0	0.9	0.7	0.4
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
	kW	4.3	4.4	4.5	4.6	4.6	4.7	4.8	5.0	4.9	5.0	5.1	5.3	5.1	5.2	5.4	5.6	5.3	5.4	5.6	5.8	5.5	5.6	5.8	6.0
	Amps	13.1	13.3	13.6	14.0	13.8	14.1	14.5	14.9	14.8	15.0	15.4	15.9	15.5	15.8	16.3	16.7	16.3	16.6	17.1	17.6	17.1	17.4	17.9	18.5
	HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	472	440	474	501	522
	LO PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170
	MBh	55.6	57.3	62.0	66.5	54.3	55.9	60.6	65.0	53.0	54.6	59.1	63.4	51.8	53.3	57.7	61.9	49.2	50.6	54.8	58.8	45.5	46.9	50.8	54.5
	S/T	0.8	0.7	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	1.0	0.9	0.6	0.4
	ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11
	kW	4.3	4.3	4.5	4.6	4.6	4.7	4.8	5.0	4.8	4.9	5.1	5.3	5.1	5.2	5.3	5.5	5.3	5.4	5.6	5.7	5.5	5.6	5.7	5.9
1810	Amps	13.0	13.2	13.5	13.9	13.7	14.0	14.4	14.8	14.7	14.9	15.3	15.8	15.4	15.7	16.1	16.6	16.2	16.5	17.0	17.5	17.0	17.3	17.8	18.3
	HI PR	241	260	274	286	271	291	308	321	308	331	350	365	351	378	399	416	395	425	449	468	436	469	496	517
	LO PR	109	116	127	135	115	123	134	143	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169
	MBh	51.3	52.9	57.2	61.4	50.2	51.6	55.9	60.0	49.0	50.4	54.6	58.6	47.8	49.2	53.2	57.1	45.4	46.7	50.6	54.3	42.0	43.3	46.8	50.3
	S/T	0.8	0.7	0.5	0.3	0.8	0.7	0.6	0.4	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
	ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12
	kW	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.7	4.8	5.0	5.1	5.0	5.1	5.2	5.4	5.2	5.3	5.4	5.6	5.3	5.4	5.6	5.8
	Amps	12.7	12.9	13.2	13.6	13.5	13.7	14.1	14.5	14.3	14.6	15.0	15.4	15.1	15.4	15.8	16.3	15.9	16.2	16.6	17.1	16.6	16.9	17.4	17.9
	HI PR	234	252	266	277	263	283	299	311	299	322	340	354	340	366	387	403	383	412	435	454	423	455	481	501
	LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164

IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) conditions
 Amps: Unit amps (comp. + evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA — GPG1360***M43A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE												115																							
		65						75						85						95						105											
IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE																																			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	2035	MBh	58.3	59.6	63.7	68.1	57.0	58.2	62.2	66.5	55.6	56.8	60.7	64.9	54.3	55.4	59.2	63.3	51.5	52.7	56.3	60.1	47.7	48.8	52.1	55.7											
		S/T	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6											
		ΔT	25	24	21	17	26	24	21	17	25	24	21	17	25	25	21	17	23	24	21	17	22	22	20	16											
		kW	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	4.9	5.0	5.2	5.3	5.2	5.3	5.4	5.6	5.4	5.5	5.7	5.8	5.5	5.7	5.8	6.0											
		Amps	13.1	13.4	13.7	14.1	13.9	14.2	14.6	15.0	14.9	15.1	15.5	16.0	15.7	16.0	16.4	16.9	16.4	16.8	17.2	17.8	17.2	17.6	18.1	18.6											
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527											
		LO PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172											
		MBh	56.6	57.9	61.8	66.1	55.3	56.5	60.4	64.5	54.0	55.2	58.9	63.0	52.7	53.8	57.5	61.5	50.0	51.1	54.6	58.4	46.3	47.4	50.6	54.1											
		S/T	0.9	0.9	0.7	0.5	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.6	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6											
		ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	25	25	22	18	24	24	20	16											
1590	1810	kW	4.3	4.4	4.5	4.6	4.6	4.7	4.8	5.0	4.9	5.0	5.1	5.3	5.1	5.2	5.4	5.6	5.3	5.4	5.6	5.8	5.5	5.6	5.8	6.0											
		Amps	13.1	13.3	13.6	14.0	13.8	14.1	14.5	14.9	14.8	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.6	17.1	17.4	17.9	18.5											
		HI PR	244	262	277	289	274	294	311	324	311	335	354	369	354	381	403	420	399	429	453	473	440	474	501	522											
		LO PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170											
		MBh	52.3	53.4	57.1	61.0	51.0	52.2	55.7	59.6	49.8	50.9	54.4	58.2	48.6	49.7	53.1	56.7	46.2	47.2	50.4	53.9	42.8	43.7	46.7	49.9											
		S/T	0.9	0.8	0.7	0.5	0.9	0.9	0.7	0.5	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	0.9	0.8	0.6											
		ΔT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17											
		kW	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.9	4.8	4.9	5.0	5.2	5.0	5.1	5.3	5.4	5.2	5.3	5.5	5.6	5.4	5.5	5.7	5.8											
		Amps	12.8	13.0	13.3	13.7	13.6	13.8	14.1	14.6	14.4	14.7	15.1	15.5	15.2	15.5	15.9	16.4	16.0	16.3	16.7	17.2	16.7	17.1	17.5	18.1											
		HI PR	236	255	269	280	265	286	302	315	302	325	343	358	344	370	391	407	387	416	439	458	427	460	486	506											
	LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165												

85	2035	MBh	59.3	60.5	63.3	67.6	58.0	59.1	61.9	66.0	56.6	57.7	60.4	64.4	55.2	56.3	58.9	62.9	52.4	53.5	56.0	59.7	48.6	49.5	51.9	55.3						
		S/T	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8	1.0	1.0	1.0	0.8						
		ΔT	27	26	25	22	26	27	25	22	26	26	25	22	25	25	25	22	24	24	25	22	22	22	23	20						
		kW	4.4	4.4	4.6	4.7	4.7	4.8	4.9	5.1	5.0	5.1	5.2	5.4	5.2	5.3	5.5	5.6	5.4	5.5	5.7	5.9	5.6	5.7	5.9	6.1						
		Amps	13.2	13.5	13.8	14.2	14.0	14.3	14.7	15.1	15.0	15.2	15.6	16.1	15.8	16.1	16.5	17.0	16.6	16.9	17.4	17.9	17.4	17.7	18.2	18.8						
		HI PR	249	268	283	295	279	300	317	331	317	342	361	376	361	389	411	428	407	438	462	482	449	484	511	533						
		LO PR	112	120	131	139	119	126	138	147	123	131	143	153	130	138	151	160	136	145	158	168	141	150	163	174						
		MBh	57.6	58.7	61.5	65.6	56.3	57.4	60.1	64.1	54.9	56.0	58.6	62.6	53.6	54.6	57.2	61.0	50.9	51.9	54.4	58.0	47.2	48.1	50.3	53.7						
		S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	1.0	0.8						
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	26	26	26	23	24	24	24	21						
		kW	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	4.9	5.0	5.2	5.3	5.2	5.3	5.4	5.6	5.4	5.5	5.7	5.8	5.5	5.7	5.8	6.0						
	1810	Amps	13.1	13.4	13.7	14.1	13.9	14.2	14.6	15.0	14.9	15.1	15.5	16.0	15.7	16.0	16.4	16.9	16.4	16.8	17.2	17.8	17.2	17.6	18.1	18.6						
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	407	424	403	433	458	477	445	479	506	527						
		LO PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172						
		MBh	53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.2	50.7	51.7	54.1	57.7	49.5	50.4	52.8	56.3	47.0	47.9	50.2	53.5	43.5	44.4	46.5	49.6						
		S/T	0.9	0.9	0.8	0.6	1.0	0.9	0.8	0.7	1.0	0.9	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7						
		ΔT	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	27	28	26	23	25	26	25	21						
		kW	4.2	4.3	4.4	4.6	4.5	4.6	4.8	4.9	4.8	4.9	5.0	5.2	5.0	5.1	5.3	5.5	5.2	5.3	5.5	5.7	5.4	5.5	5.7	5.9						
	1590	Amps	12.9	13.1	13.4	13.8	13.7	13.9	14.2	14.7	14.5	14.8	15.2	15.6	15.3	15.6	16.0	16.5	16.1	16.4	16.8	17.4	16.8	17.2	17.6	18.2						
		HI PR	239	257	271	283	268	288	305	318	305	328	346	361	347	374	395	411	391	420	444	463	432	464	490	511						
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	125	132	145	154	130	139	152	161	135	144	157	167						

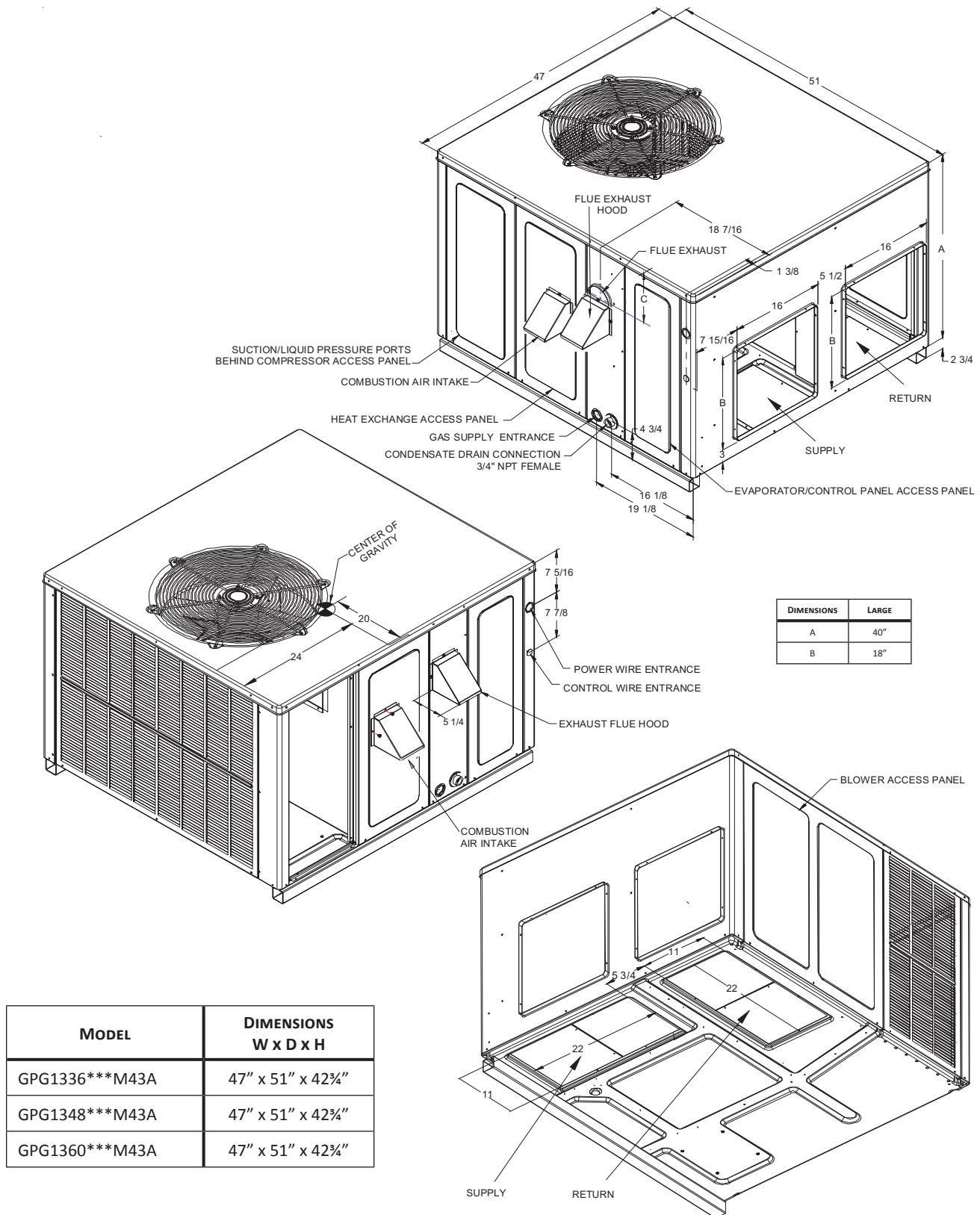
IDB: Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid and suction access fittings.

Shaded area reflects AHRI (TVA) conditions

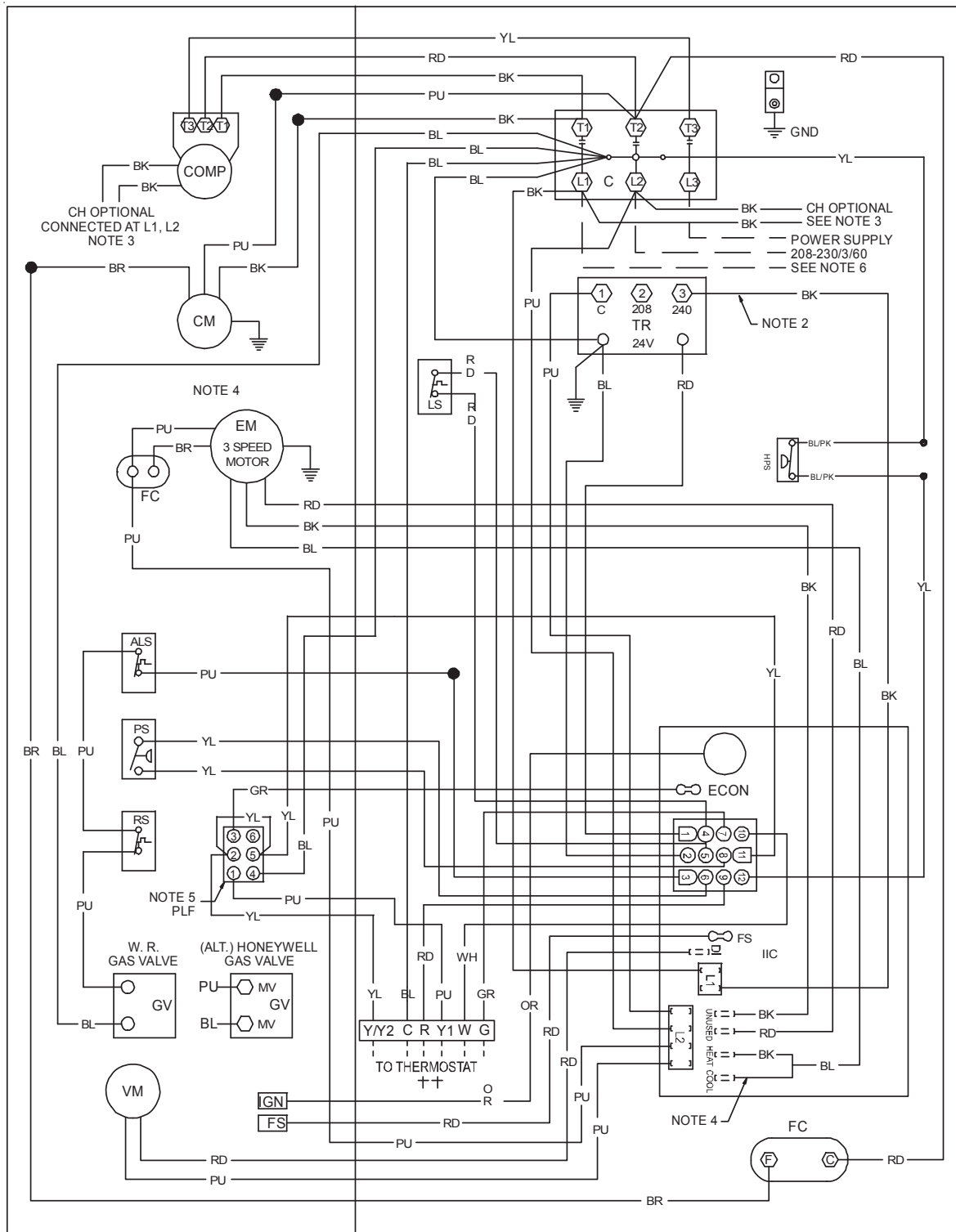
Amps: Unit amps (comp. + evaporator + condenser fan motors)

kW = Total system power

DIMENSIONS



WIRING DIAGRAM — GPG1336***M43A*



0140G01001 REV. A

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

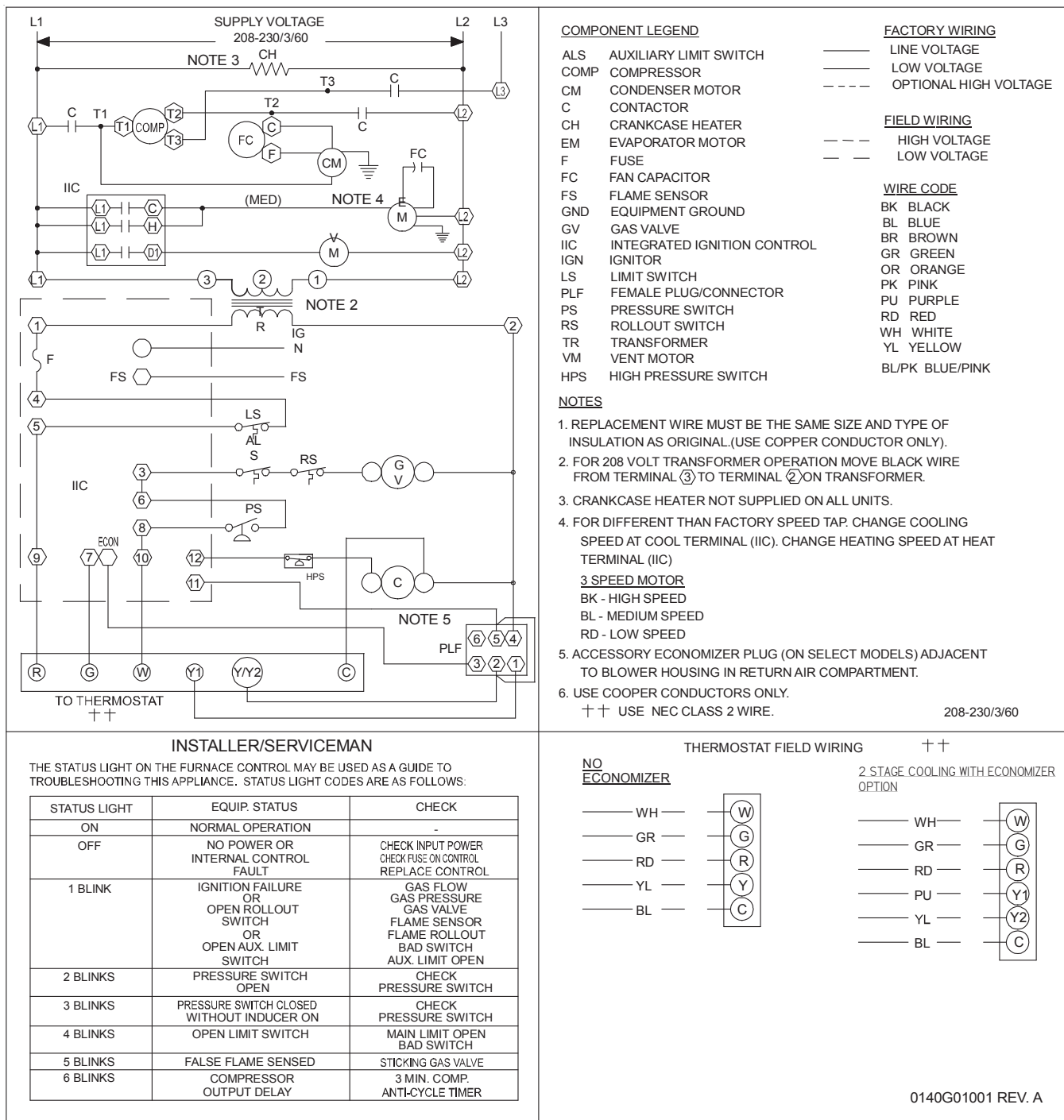


WARNING

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



WIRING DIAGRAM — GPG1336***M43A* (CONT.)



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

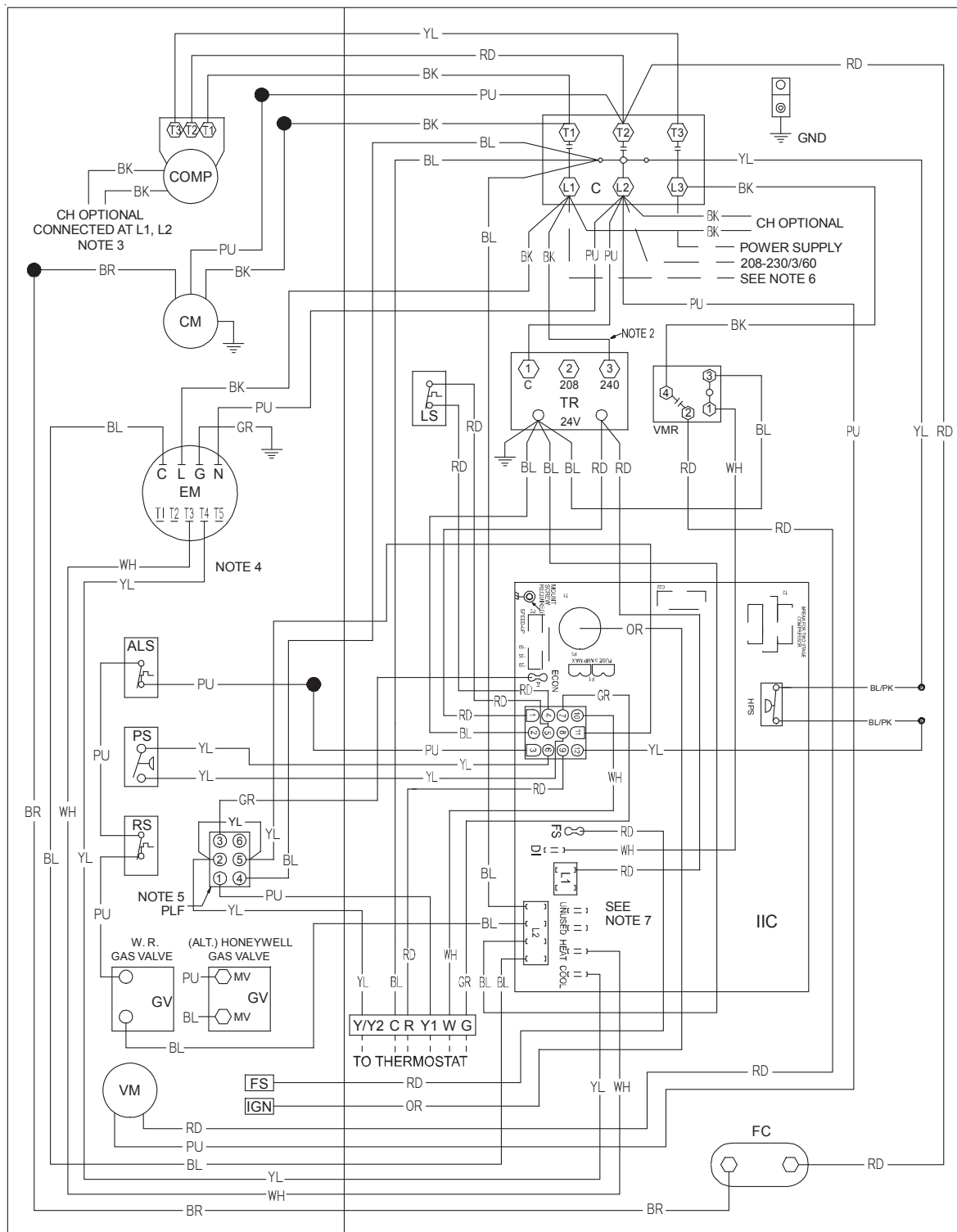


WARNING

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



WIRING DIAGRAM — GPG1348-60***M43A*



0140G01002 REV. A

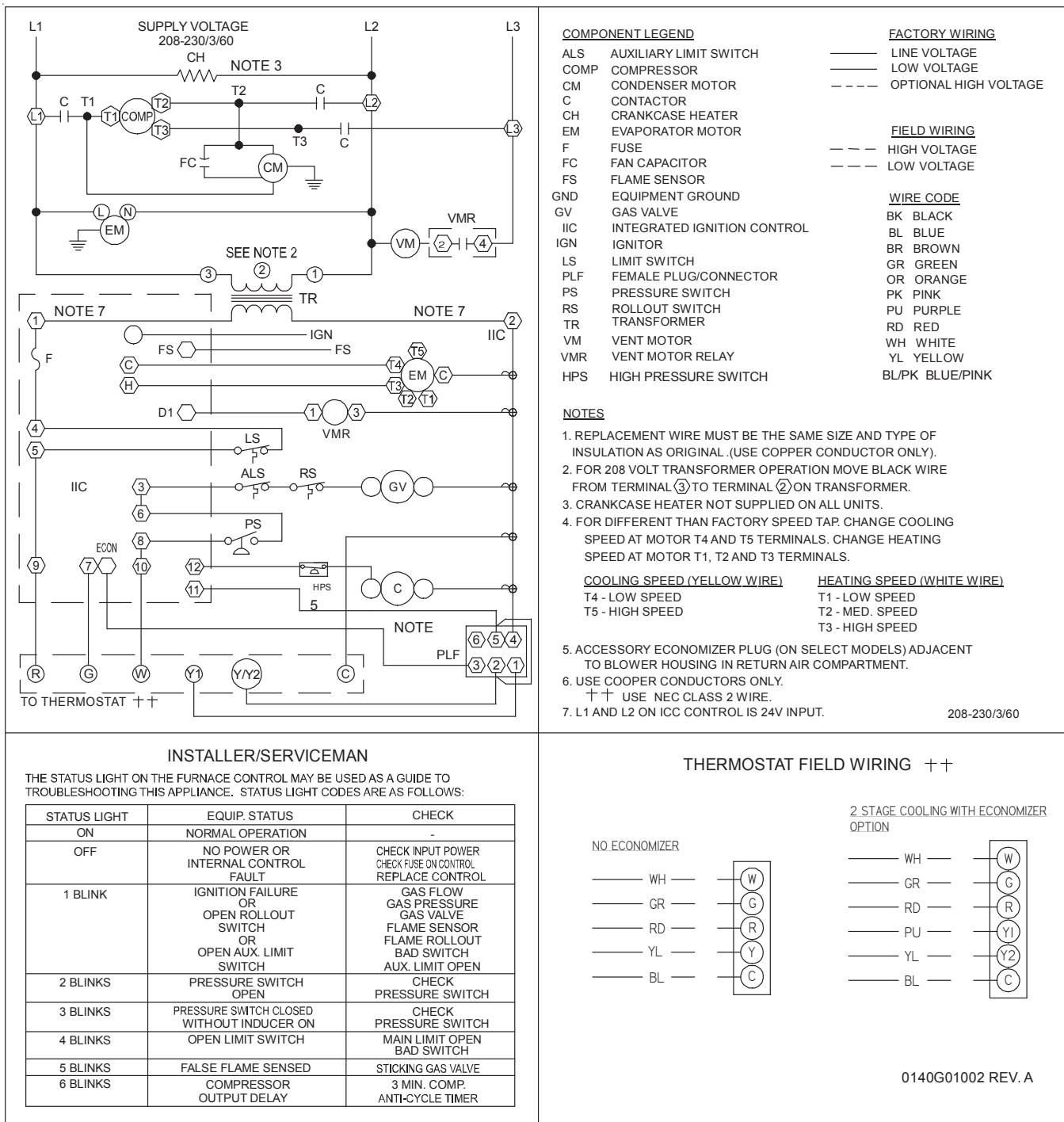
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



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



WIRING DIAGRAM — GPG1348-60***M43A* (CONT.)



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



WARNING

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



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