

Amana[®]

Heating & Air Conditioning

LASTS AND LASTS AND LASTS.™

PRODUCT SPECIFICATIONS



13 & 10 SEER
80% AFUE

3, 4, & 5 Ton
THREE-PHASE

COOLING CAPACITIES:
35,000 TO 56,800 BTU/H

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



GPG COMMERCIAL

SELF-CONTAINED PACKAGED GAS/ELECTRIC

The Amana® brand GPG Commercial Packaged Gas/Electric 13 & 10 SEER units feature energy-efficient cooling and heating performance in one self-contained unit. These units are housed in heavy-gauge, galvanized-steel cabinets with a high-quality, UV-resistant powder-paint finish. GPG Commercial units allow for a ground-level or rooftop mount and horizontal or downflow applications.

Standard Features

- Energy-efficient compressor with internal relief valve
- Durable, corrosion-resistant aluminized-steel tubular heat exchanger
- Fully charged R-22 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

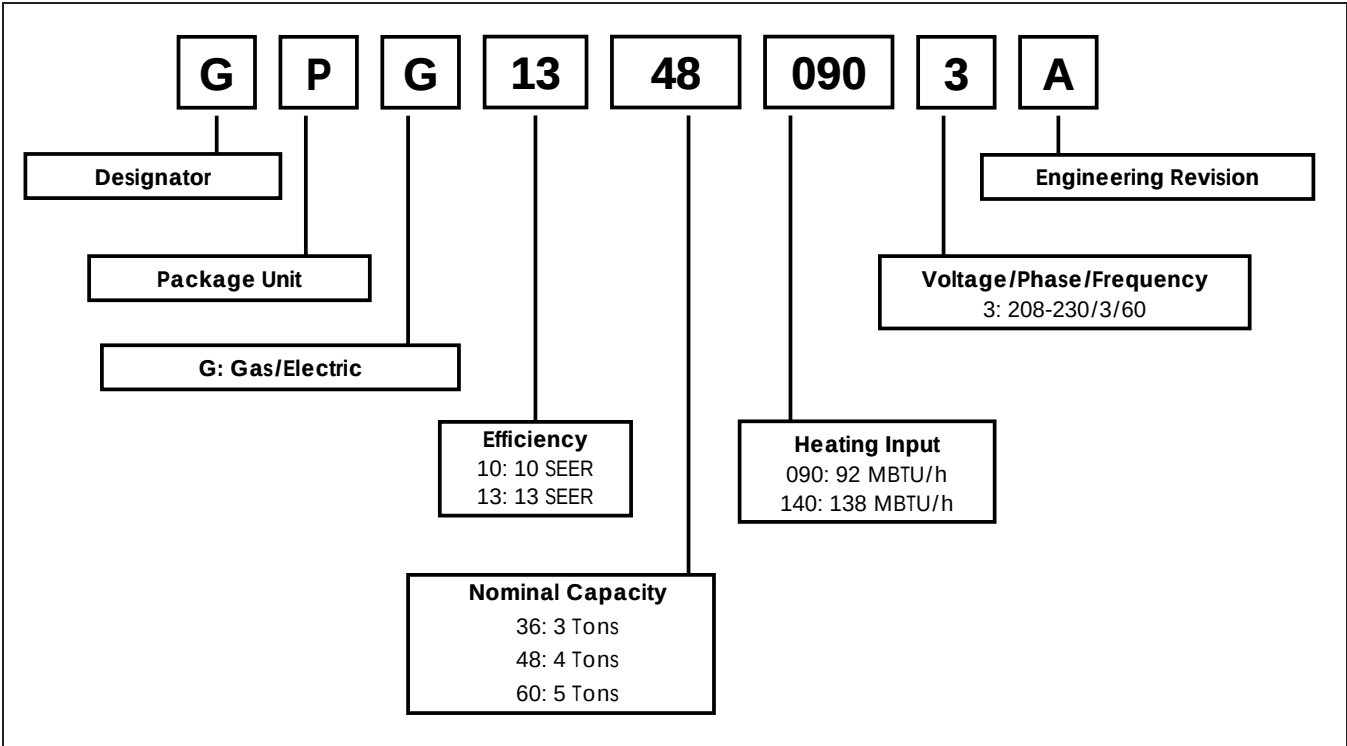
- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Fully insulated cabinet
- One roof curb fits all units
- One footprint; one height
- Convenient access panels
- Fits in a standard-size pick-up truck

Accessories

- Roof curb
- 25% manual and motorized fresh-air dampers
- Downflow and horizontal economizers
- Square-to-round converter
- L.P. Conversion Kit
- Room Thermostat
- See Page 11 for a complete list of accessories

SPECIFICATION SHEET

NOMENCLATURE



GPG13 COMMERCIAL SPECIFICATIONS

	GPG13 360903A	GPG13 480903A	GPG13 600903A	GPG13 601403A
Cooling Capacity (BTU/h)				
Total	35,000	47,000	56,500	56,500
Sensible	26,200	36,600	42,800	42,800
SEER / EERa	13.0 / 11.0	13.0 / 11.3	13.0 / 10.8	13.0 / 10.8
Heating Capacity (BTU/h)				
Input	92,000	92,000	92,000	138,000
Output	72,900	72,900	72,000	110,200
AFUE	80.0	80.0	80.0	80.0
Decibels	76.0	76.0	76.0	76.0
Evaporator Motor				
Type	DD	X-13	X-13	X-13
Wheel (DxW)	10" x 10"	11" x 10"	11" x 10"	11" x 10"
Indoor Nominal CFM	1,200	1,510	1810	1810
Motor Speed Tap (Cooling)	Med	T4	T4	T4
Temperature Rise Range	45 - 75	45 - 75	45 - 75	45 - 75
No. of Burners	4	4	4	6
Orifice Size (Natural/Propane)	43" / 55"	43" / 55"	43" / 55"	43" / 55"
Horsepower-RPM	1/3 / 1,080	3/4 / 1,050	1 / 1,050	1 / 1,050
Evaporator Coil				
Face Area (ft ²)	5.67	5.67	5.67	5.67
Rows Deep/Fin per Inch	3 / 14	4 / 14	4 / 14	4 / 14
Piston Size (Cooling)	0.071"	0.080"	TXV	TXV
Filter Size (ft ²)	4.2	5.1	6.3	6.3
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge (oz)	107	145	164	164
Condenser Fan				
Horsepower - RPM	1/4 -1,075	1/3 -1,075	1/3 -1,075	1/3 -1,075
Fan Diameter/# of Fan Blades	22" - 3	22" - 4	22" - 4	22" - 4
Outdoor Nominal CFM	2,700	3,500	3,500	3,500
Condenser Coil				
Face Area (ft ²)	15.3	15.3	15.3	15.3
Row Deep/Fin per Inch	1 / 19	2 / 16	2 / 16	2 / 16
Electrical Data				
Voltage/Phase/Frequency	208-230/3/60			
Compressor RLA/LRA	9.6 / 63	12.4 / 88	15.0 / 123	15.0 / 123
Indoor Blower FLA/LRA	3 / 4.5	6.0 / 8.0	7.6 / 9.2	7.6 / 9.2
Outdoor Fan RLA/LRA	1.8 / 3.8	2.4 / 5.2	2.4 / 5.2	2.4 / 5.2
Total Unit Amps	10.6	14.3	18.5	18.5
Min. Circuit Ampacity ¹	16.8	23.5	28.7	28.7
Max. Overcurrent Protection ²	25 amps	30 amps	40 amps	40 amps
Entrance Size Power Supply	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Entrance Size Control Voltage	7/8"	7/8"	7/8"	7/8"
Operating Weight (lbs)	453	523	533	543
Ship Weight (lbs)	475	545	555	565

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.

SPECIFICATION SHEET

GPG13 COMMERCIAL SPECIFICATIONS (CONT.)

	GPG13 360904A	GPG13 480904A	GPG13 600904A	GPG13 601404A
Cooling Capacity (BTU/h)				
Total	35,000	47,000	56,500	56,500
Sensible	26,200	36,600	42,800	42,800
SEER / EERa	13.0 / 11.0	13.0 / 11.3	13.0 / 10.8	13.0 / 10.8
Heating Capacity (BTU/h)				
Input	92,000	92,000	92,000	138,000
Output	72,900	72,900	72,000	110,200
AFUE	80.0	80.0	80.0	80.0
Decibels	76.0	76.0	76.0	76.0
Evaporator Motor				
Type	DD	X-13	X-13	X-13
Wheel (DxW)	10" x 10"	11" x 10"	11" x 10"	11" x 10"
Indoor Nominal CFM	1,200	1,510	1810	1810
Motor Speed Tap (Cooling)	High	T4	T4	T4
Temperature Rise Range	45 - 75	45 - 75	45 - 75	45 - 75
No. of Burners	4	4	4	6
Orifice Size (Natural/Propane)	43" / 55"	43" / 55"	43" / 55"	43" / 55"
Horsepower-RPM	1/3 / 1,075	3/4 / 1,050	1 / 1,050	1 / 1,050
Evaporator Coil				
Face Area (ft ²)	5.67	5.67	5.67	5.67
Rows Deep/Fin per Inch	3 / 14	4 / 14	4 / 14	4 / 14
Piston Size (Cooling)	0.071"	0.080"	TXV	TXV
Filter Size (ft ²)	4.2	5.1	6.3	6.3
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge (oz)	107	145	164	164
Condenser Fan				
Horsepower - RPM	1/4 -1,050	1/3 -1,075	1/3 -1,075	1/3 -1,075
Fan Diameter/# of Fan Blades	22" - 3	22" - 4	22" - 4	22" - 4
Outdoor Nominal CFM	2,700	3,500	3,500	3,500
Condenser Coil				
Face Area (ft ²)	15.3	15.3	15.3	15.3
Row Deep/Fin per Inch	1 / 19	2 / 16	2 / 16	2 / 16
Electrical Data				
Voltage/Phase/Frequency	460/3/60			
Compressor RLA/LRA	4.5 / 31	5.7 / 44	6.7 / 49.5	6.7 / 49.5
Indoor Blower FLA/LRA	1.2 / 3.0	6.0 / 8.0	7.6 / 9.2	7.6 / 9.2
Outdoor Fan RLA/LRA	0.8 / 1.6	1.2 / 2.6	1.2 / 2.6	1.2 / 2.6
Total Unit Amps	4.8	8.6	11.5	11.5
Min. Circuit Ampacity ¹	7.6	14.5	17.1	17.1
Max. Overcurrent Protection ²	10 amps	20 amps	20 amps	20 amps
Entrance Size Power Supply	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Entrance Size Control Voltage	7/8"	7/8"	7/8"	7/8"
Operating Weight (lbs)	453	548	558	568
Ship Weight (lbs)	475	570	580	590

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.

GPG10 COMMERCIAL SPECIFICATIONS

	GPG10 360903A	GPG10 480903A	GPG10 600903A	GPG10 601403A	GPG10 601404A
Cooling Capacity					
Total BTU/h	35,200	47,000	56,000	56,000	56,000
Sensible BTU/h	27,400	36,200	43,600	43,600	43,600
SEER / EER	10 / 9.3	10 / 9.1	10 / 9.0	10 / 9.0	10 / 9.0
Heating Capacity					
Input BTU/h	92,000	92,000	92,000	138,000	138,000
Output BUTH	72,900	72,900	72,900	110,200	110,200
AFUE	82.6%	82.6%	82.6%	83.1%	83.1%
Decibels	76.0	76.0	76.0	76.0	76.0
Evaporator Motor					
Type	DD	DD	DD	DD	DD
Wheel (D x W)	11" X 10"	11" X 10"	11" X 10"	11" X 10"	11" X 10"
Indoor Nominal CFM	1,250	1,525	1,950	1,950	1,950
Temperature Rise Range (°F)	45 - 75	45 - 75	45 - 75	45 - 75	45 - 75
No. of Burners	4	4	4	6	6
Orifice Size (Natural/Propane)	43" / 55"	43" / 55"	43" / 55"	43" / 55"	43" / 55"
Motor Speed Tap (Cooling)	Medium	Medium	High	High	High
Horsepower - RPM	¾ -1,100	¾ -1,100	¾ -1,100	¾ -1,100	¾ -1,100
Evaporator Coil					
Face Area (ft²)	5.67	5.67	5.67	5.67	5.67
Rows Deep/ Fins per inch	2 / 14	4 / 14	4 / 14	4 / 14	4 / 14
Piston Size (Cooling)	0.071"	0.08"	0.092"	0.092"	0.092"
Filter Size (ft²)	4.2	5.1	6.3	6.3	6.3
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	98	98	100	100	100
Condenser Fan / Coil					
Horsepower - RPM	¼ -1,075	⅓ -1,075	⅓ -1,075	⅓ -1,075	⅓ -1,075
Fan Diameter/ No. of Fan Blades	22" / 3	22" / 3	22" / 3	22" / 3	22" / 3
Outdoor Nominal CFM	2,700	3,500	3,500	3,500	3,500
Face Area (ft²)	15.3	15.3	15.3	15.3	15.3
Rows Deep/ Fins per inch	1 / 19	1 / 19	1 / 19	1 / 19	1 / 19
Electrical Data					
Voltage/Phase/ Frequency	208-230/3/60				460/3
Compressor RLA/LRA	10.3 / 75.0	12.6 / 91.0	17.3 / 123.0	17.3 / 123.0	7.5 / 49.5
Indoor Blower FLA/LRA	2.6 / 5.0	4.7 / 12.2	4.7 / 12.2	4.7 / 12.2	2.2 / 4.8
Outdoor Fan RLA/LRA	1.8 / 3.8	2.4 / 5.2	2.4 / 5.2	2.4 / 5.2	1.2 / 2.6
Total Unit Amps	14	16.7	21.0	21.0	10.3
Min. Circuit Ampacity ¹	17.3	22.9	25.8	25.8	12.8
Max. Overcurrent Protection ²	25 amps	30 amps	40 amps	40 amps	20 amps
Entrance Size Power Supply	1⅛"	1⅛"	1⅛"	1⅛"	1⅛"
Entrance Size Control Voltage	⅞"	⅞"	⅞"	⅞"	⅞"
Operating Weight (lbs)	478	496	512	526	526
Ship Weight (lbs)	500	518	534	548	548

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.

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GPG13 COMMERCIAL EVAPORATOR BLOWER SPECIFICATIONS WITH EEM MOTORS

GPG13360903A - 3-Ton 230/208 3-PHASE MODELS

Motor Speed	HIGH				MED				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	-	-	-	-	-	-	-	-	-	-	-	-

GPG13360904A - 3-Ton 460V 3-PHASE MODELS

Motor Speed	HIGH				LOW			
E.S.P	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	1488	718	801	1.65	1171	501	410	1.2
0.2	1483	694	858	1.58	1151	492	458	1.17
0.3	1448	671	899	1.55	1101	484	499	1.14
0.4	1424	644	939	1.46	1056	469	538	1.1
0.5	1368	610	977	1.4	1024	456	585	1.05
0.6	1320	578	1001	1.32	1012	429	607	0.99
0.7	1252	550	1039	1.24	937	395	645	0.91
0.8	1176	512	1058	1.14	860	364	675	0.82

GPG13 COMMERCIAL EVAPORATOR BLOWER SPECIFICATIONS WITH EEM MOTORS (CONT.)

GPG13 - 4-TON MODELS

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

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

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GPG13 COMMERCIAL EVAPORATOR BLOWER SPECIFICATIONS WITH EEM MOTORS (CONT.)

GPG13 - 5-Ton Models

Motor Speed	T1 (Heating Speed)				T2 (Heating Speed)				T3 (Heating Speed)			
	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
E.S.P												
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

Motor Speed	T4 (Cooling Speed)				T5 (Cooling Speed)			
	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
E.S.P								
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

GPG10 COMMERCIAL EVAPORATOR BLOWER SPECIFICATIONS

3-Ton Models

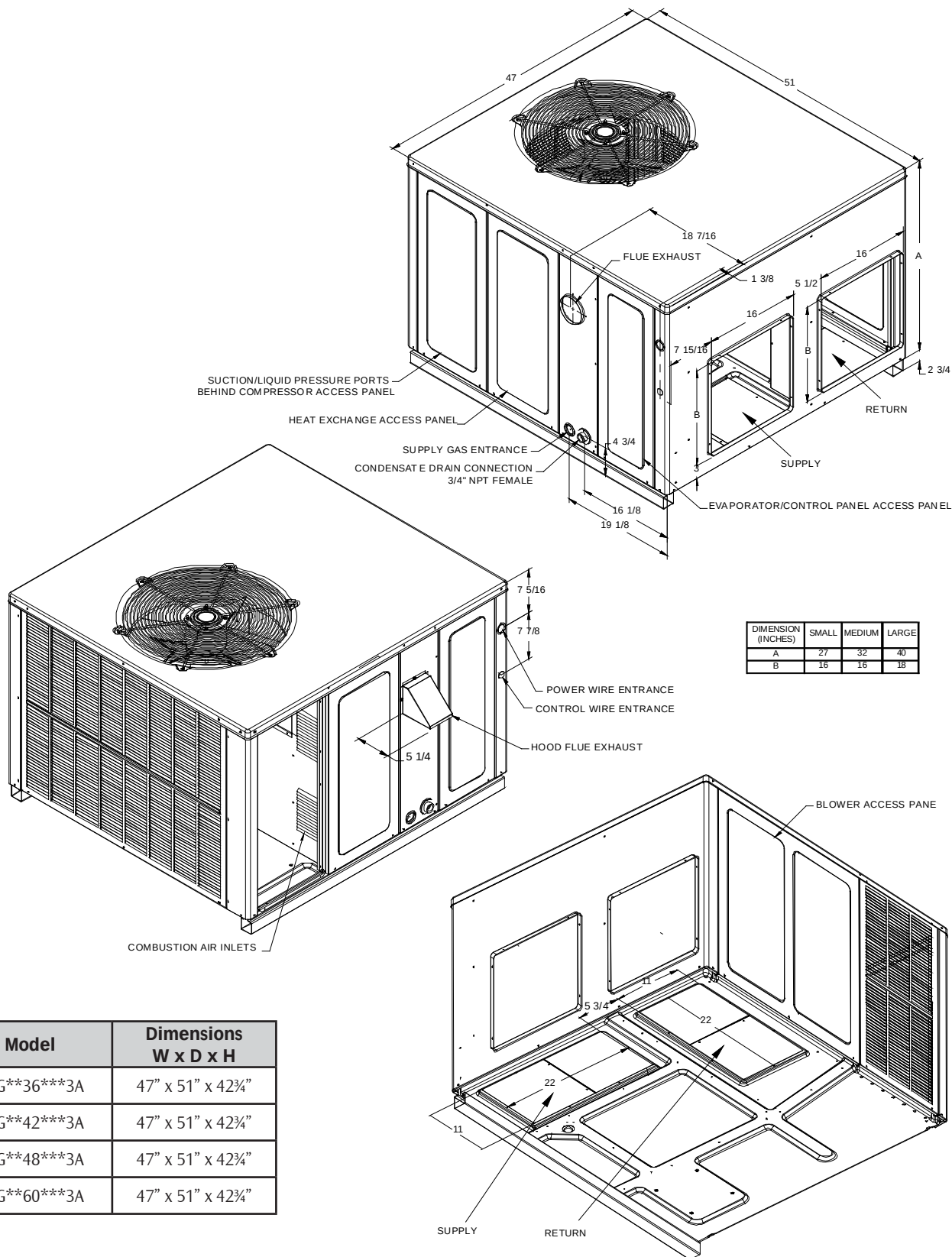
Motor Speed	HIGH				MED				LOW				LOW			
E.S.P.	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	1,420	485	1,025	2.15	1,365	455	991	1.98	1,200	390	881	1.7	980	310	754	1.37
0.2	1,350	470	1,036	2.09	1,310	430	1,009	1.88	1,145	375	937	1.6	950	300	820	1.3
0.3	1,270	445	1,058	1.98	1,225	410	1,030	1.81	1,095	360	976	1.54	920	295	887	1.27
0.4	1,175	420	1,074	1.91	1,145	390	1,052	1.72	1,015	335	992	1.47	850	280	909	1.21
0.5	1,090	395	1,085	1.82	1,055	365	1,069	1.66	940	320	1,014	1.4	-	-	-	-
0.6	995	380	1,096	1.75	950	350	1,081	1.58	850	305	1,041	1.33	-	-	-	-
0.7	875	355	1,109	1.66	835	325	1,096	1.51	-	-	-	-	-	-	-	-
0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4- to 5-Ton Models

Motor Speed	HIGH				MED				LOW			
E.S.P.	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	2,287	1,180	1,036	5.52	1,718	857	813	4.02	1,437	731	705	3.49
0.2	2,212	1,152	1,047	5.42	1,662	822	845	3.84	1,415	716	749	3.39
0.3	2,149	1,115	1,058	5.22	1,633	799	869	3.72	1,379	699	793	3.3
0.4	2,077	1,086	1,069	5.11	1,579	770	894	3.58	1,347	681	832	3.19
0.5	1,986	1,049	1,073	4.97	1,517	742	924	3.43	1,305	659	865	3.08
0.6	1,897	1,013	1,083	4.83	1,445	712	952	3.29	1,258	634	898	2.96
0.7	1,798	967	1,091	4.66	1,383	683	973	3.15	1,186	605	931	2.81
0.8	1,697	929	1,096	4.52	1,296	650	999	2.97	1,124	578	964	2.68

SPECIFICATION SHEET

DIMENSIONS



Model	Dimensions W x D x H
GPG**36***3A	47" x 51" x 42 3/4"
GPG**42***3A	47" x 51" x 42 3/4"
GPG**48***3A	47" x 51" x 42 3/4"
GPG**60***3A	47" x 51" x 42 3/4"

ACCESSORIES

Model	Description
LPT-00A	LP Conversion Kit
PGC103	Roof Curb for Large Chassis ¹
PGED103	Downflow Economizer for Large Chassis
PGEH103	Horizontal Economizer for Large Chassis
PGFR103	Internal Filter Rack for Large Chassis
PGMDD103	Manual 25% Fresh Air Damper — Downflow Application for Large Chassis
PGMDH103	Manual 25% Fresh Air Damper — Horizontal Application for Large Chassis
PGMDMD103	Motorized 25% Fresh Air Damper — Downflow Application for Large Chassis
PGMDMH103	Motorized 25% Fresh Air Damper — Horizontal Application for Large Chassis
SQRP103	Square-to-Round Adapter with 18" Round — Downflow Application for Large Chassis
SQRP103GH	Square-to-Round Adapter with 18" Round — Horizontal Application for Large Chassis

¹ All GPG Commercial units are housed in the large chassis.

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



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