

PRODUCT SPECIFICATIONS

GPG10 SERIES 10 SEER/80% AFUE

Self-Contained Packaged Gas/Electric

2 – 5 Ton

Single-Phase and 3-Phase

Cooling Capacities: 24,000 to 57,000 BTUH
Heating Capacities: 46,000 to 138,000 BTUH



Air Conditioning & Heating



The GPG10 packaged gas/electric unit allows for ground-level or rooftop mount, horizontal or downflow application.

Standard Features

- Energy-efficient compressor
- Copper tube/aluminum fin coil
- Liquid line filter drier
- Fully charged R-22 system
- Durable, corrosion-resistant T-140 aluminized steel tubular heat exchanger
- Redundant gas valve, natural gas and easy conversion to propane
- Power-assisted combustion
- Direct spark ignition system, which includes a microprocessor-based control for the entire ignition sequence, all blower operation and all safety circuits complete with self-diagnostics
- All GPG10 models fit in a standard-size pick-up truck (47" wide)
- Horizontal or downflow application
- One roof curb fits all units
- California low NOx approved

Cabinet Construction

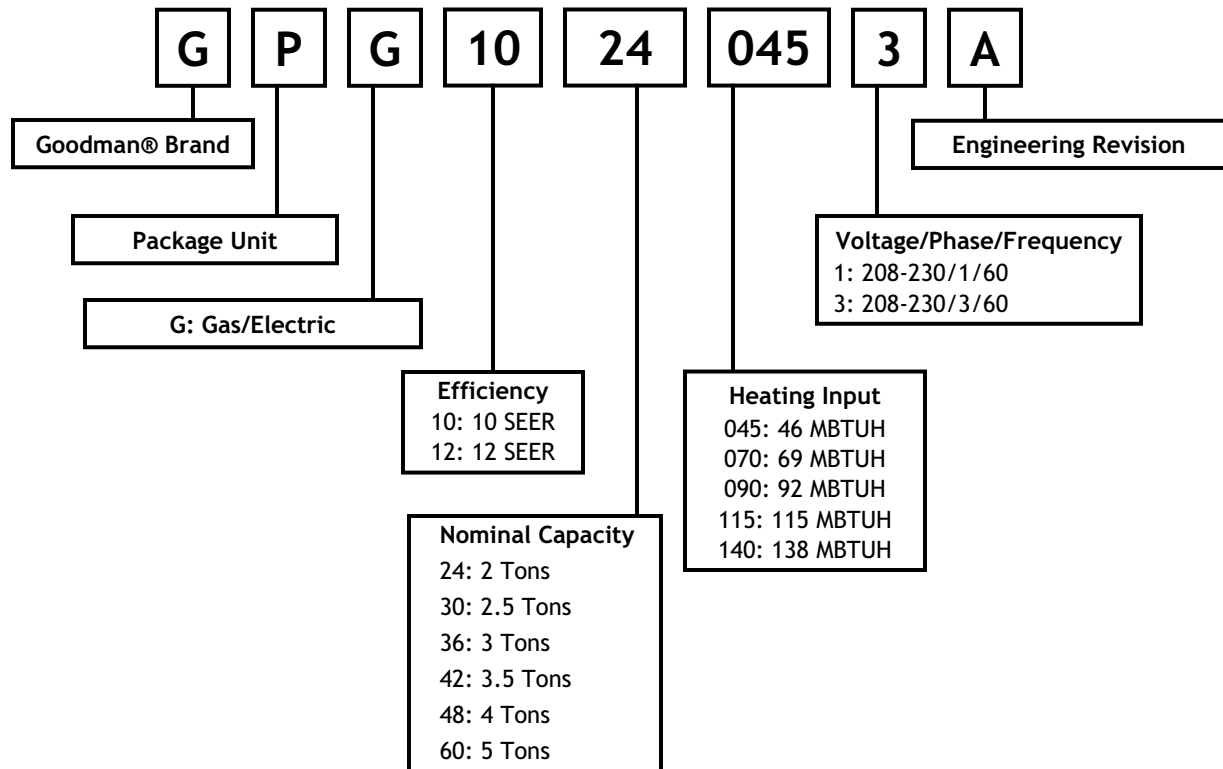
- Convenient access panels
- High-quality UV-resistant powder-paint finish
- Fully insulated
- Bottom, 2" high base rails for easier handling
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

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 8 for a complete listing of accessories



Nomenclature



PRODUCT SPECIFICATIONS

Specifications—Single-Phase Units

	GPG10240451A	GPG10240701A	GPG10300701A	GPG10360701A	GPG10360901A	GPG10420701A
Total Cooling Capacity, BTUH	24,000	24,000	29,600	35,200	35,200	40,000
Sensible Cooling Capacity, BTUH	18,400	18,400	22,800	27,400	27,400	31,200
EER ¹	9.4	9.4	9.0	9.3	9.3	9.4
SEER	10.0	10.0	10.0	10.0	10.0	10.0
Sound Rating, dba	76.0	76.0	76.0	76.0	76.0	76.0
Heating Input, BTUH (US)	46,000	69,000	69,000	69,000	92,000	69,000
Heating Output, BTUH (US)	36,700	55,000	55,000	55,000	72,900	55,000
AFUE	80.0	80.0	80.0	80.0	80.0	80.0
Temperature Rise	30 - 60	35 - 65	35 - 65	35 - 65	45 - 75	35 - 65
Number of Burners	2	3	3	3	4	3
Orifice Size Natural/Propane	43/55	43/55	43/55	43/55	43/55	43/55
Indoor Blower						
Type	DD	DD	DD	DD	DD	DD
Blower Wheel (D x W)	10" x 8"	10" x 8"	10" x 8"	10" x 9"	10" x 9"	11" x 10"
Nominal CFM (ID)	850	850	1,050	1,250	1,250	1,425
Motor Speed Tap (Cooling)	Low	Low	Med-Lo	Med-Hi	Med-Hi	Med
RPM/Amps (Cooling)	885/1.2	885/1.2	965/1.5	1,040/1.8	1,040/1.8	940/2.5
Horsepower/RPM	1/3/1,080	1/3/1,080	1/3/1,080	1/3/1,080	1/3/1,080	3/4/1,100
Evaporator Coil						
Face Area (ft ²)	3.67	3.67	3.67	4.33	4.33	4.33
Rows Deep/Fins per Inch	2/14	2/14	2/14	2/14	2/14	4/14
Piston Size (Cooling)	0.057	0.057	0.065	0.071	0.071	0.076
Filter Size (ft ²)	2.8	2.8	3.5	4.2	4.2	4.8
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge	50	50	50	75	75	88
Condenser Fan						
Horsepower/RPM	1/6/1,075	1/6/1,075	1/6/1,075	1/4/1,075	1/4/1,075	1/4/1,075
Fan Diameter/Number of Fan Blades	22/3	22/3	22/3	22/3	22/3	22/3
Nominal CFM (OD)	2,400	2,400	2,400	2,700	2,700	2,700
Condenser Coil						
Face Area (ft ²)	7.8	7.8	7.8	12.4	12.4	12.4
Rows Deep/Fins per Inch	1/19	1/19	1/19	1/19	1/19	1/19
Electrical						
Volts/Phase/Frequency	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Compressor RLA/LRA	9.8/56.0	9.8/56.0	13.7/75.0	14.9/96.0	14.9/96.0	16.2/96.0
Indoor Blower FLA/LRA	1.9/3.6	1.9/3.6	1.9/3.6	2.1/3.6	2.1/3.6	2.6/5.0
Outdoor Fan RLA/LRA	1.1/1.8	1.1/1.8	1.1/1.8	1.8/3.8	1.8/3.8	1.8/3.8
Total Unit Amps	11.3	11.3	14.9	18.5	18.5	19.5
Minimum Circuit Ampacity	15.3	15.3	20.2	22.6	22.6	24.7
Maximum Overcurrent Protection ²	20	20	30	30	30	40
Electrical Entrance Size						
Power Supply	1 ¹ / ₈ "	1 ¹ / ₈ "	1 ¹ / ₈ "	1 ¹ / ₈ "	1 ¹ / ₈ "	1 ¹ / ₈ "
Control Voltage	⁷ / ₈ "	⁷ / ₈ "	⁷ / ₈ "	⁷ / ₈ "	⁷ / ₈ "	⁷ / ₈ "
Shipping Weight (lbs)	386	391	397	445	450	459
Operating Weight (lbs)	364	369	375	423	428	437

(1) BTU/Watt @ 80/67 °F inside; 95 °F outside air

(2) HACR breakers may be used in place of fuses up to 60 amps

PRODUCT SPECIFICATIONS

Specifications—Single-Phase Units (cont.)

	GPG10420901A	GPG10480901A	GPG10481151A	GPG10600901A	GPG10601401A
Total Cooling Capacity, BTUH	40,000	47,000	47,000	56,000	56,000
Sensible Cooling Capacity, BTUH	31,200	36,200	36,200	43,600	43,600
EER ¹	9.4	9.1	9.1	9.0	9.0
SEER	10.0	10.0	10.0	10.0	10.0
Sound Rating, dba	76.0	76.0	76.0	76.0	76.0
Heating Input, BTUH (US)	92,000	92,000	115,000	92,000	138,000
Heating Output, BTUH (US)	72,900	72,900	91,200	72,900	110,200
AFUE	80.0	80.0	80.0	80.0	80.0
Temperature Rise	45 - 75	45 - 75	45 - 75	45 - 75	45 - 75
Number of Burners	4	4	5	4	6
Orifice Size Natural/Propane	43/55	43/55	43/55	43/55	43/55
Indoor Blower					
Type	DD	DD	DD	DD	DD
Blower Wheel (D x W)	11" X 10"	11" X 10"	11" X 10"	11" X 10"	11" X 10"
Nominal CFM (ID)	1,425	1,525	1,525	1,950	1,950
Motor Speed Tap (Cooling)	Med	Med	Med	High	High
RPM/Amps (Cooling)	940/2.5	990/3.1	990/3.1	1,080/4.7	1,080/4.7
Horsepower/RPM	3/4/1,100	3/4/1,100	3/4/1,100	3/4/1,100	3/4/1,100
Evaporator Coil					
Face Area (ft ²)	4.33	5.67	5.67	5.67	5.67
Rows Deep/Fins per Inch	4/14	4/14	4/14	4/14	4/14
Piston Size (Cooling)	0.076	0.08	0.08	0.092	0.092
Filter Size (ft ²)	4.8	5.1	5.1	6.2	6.2
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge	88	98	98	100	100
Condenser Fan					
Horsepower/RPM	1/4/1,075	1/3/1,075	1/3/1,075	1/3/1,075	1/3/1,075
Fan Diameter/Number of Fan Blades	22/3	22/3	22/3	22/3	22/3
Nominal CFM (OD)	2,700	3,500	3,500	3,500	3,500
Condenser Coil					
Face Area (ft ²)	12.4	15.3	15.3	15.3	15.3
Rows Deep/Fins per Inch	1/19	1/19	1/19	1/19	1/19
Electrical					
Volts/Phase/Frequency	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Compressor RLA/LRA	16.2/96.0	19.5/102.0	19.5/102.0	26.5/148.0	26.5/148.0
Indoor Blower FLA/LRA	2.6/5.0	4.7/12.2	4.7/12.2	4.7/12.2	4.7/12.2
Outdoor Fan RLA/LRA	1.8/3.8	2.4/5.2	2.4/5.2	2.4/5.2	2.4/5.2
Total Unit Amps	19.5	23.2	23.2	29.6	29.6
Minimum Circuit Ampacity	24.7	31.5	31.5	40.3	40.3
Maximum Overcurrent Protection ²	40	50	50	60	60
Electrical Entrance Size					
Power Supply	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Control Voltage	7/8"	7/8"	7/8"	7/8"	7/8"
Shipping Weight (lbs)	464	518	525	534	548
Operating Weight (lbs)	442	496	503	512	526

(1) BTU/Watt @ 80/67 °F inside; 95 °F outside air

(2) HACR breakers may be used in place of fuses up to 60 amps

PRODUCT SPECIFICATIONS

Specifications—3-Phase Units

	GPG10360903A	GPG10480903A	GPG10600903A	GPG10601403A
Total Cooling Capacity, BTUH	35,200	47,000	56,000	56,000
Sensible Cooling Capacity, BTUH	27,400	36,200	43,600	43,600
EER ¹	9.3	9.1	9.0	9.0
SEER	10.0	10.0	10.0	10.0
Sound Rating, dba	76.0	76.0	76.0	76.0
Heating Input, BTUH (US)	92,000	92,000	92,000	138,000
Heating Output, BTUH (US)	72,900	72,900	72,900	110,200
AFUE	-	-	-	-
Outdoor Steady State Efficiency	82.6	82.6	82.6	83.1
Temperature Rise	45 - 75	45 - 75	45 - 75	45 - 75
Number of Burners	4	4	4	6
Orifice Size Natural/Propane	43/55	43/55	43/55	43/55
Indoor Blower				
Type	DD	DD	DD	DD
Blower Wheel (D x W)	11" X 10"	11" X 10"	11" X 10"	11" X 10"
Nominal CFM (ID)	1,250	1,525	1,950	1,950
Horsepower/RPM	3/4/1,100	3/4/1,100	3/4/1,100	3/4/1,100
Evaporator Coil				
Face Area (ft ²)	5.67	5.67	5.67	5.67
Rows Deep/Fins per Inch	2/14	4/14	4/14	4/14
Piston Size (Cooling)	0.071	0.08	0.092	0.092
Filter Size (ft ²)	4.3	5.4	6.8	6.8
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"
Refrigerant Charge	75	98	50	50
Condenser Fan				
Horsepower/RPM	1/4/1,075	1/3/1,075	1/3/1,075	1/3/1,075
Fan Diameter/Number of Fan Blades	22/3	22/3	22/3	22/3
Nominal CFM (OD)	2,700	3,500	3,500	3,500
Condenser Coil				
Face Area (ft ²)	15.3	15.3	15.3	15.3
Rows Deep/Fins per Inch	1/19	1/19	1/19	1/19
Electrical				
Volts/Phase/Frequency	208-230/3/60	208-230/3/60	208-230/3/60	208-230/3/60
Compressor RLA/LRA	8.9/63.0	12.6/91.0	17.3/123.0	17.3/123.0
Indoor Blower FLA/LRA	2.6/5.0	4.7/12.2	4.7/12.2	4.7/12.2
Outdoor Fan RLA/LRA	1.8/3.8	2.4/5.2	2.4/5.2	2.4/5.2
Minimum Circuit Ampacity	15.6	22.9	25.8	25.8
Maximum Overcurrent Protection ²	20	30	40	40
Electrical Entrance Size				
Power Supply	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Control Voltage	7/8"	7/8"	7/8"	7/8"
Shipping Weight (lbs)	500	518	534	548
Operating Weight (lbs)	478	496	512	526

(1) BTU/Watt @ 80/67 °F inside; 95 °F outside air

(2) HACR breakers may be used in place of fuses up to 60 amps

PRODUCT SPECIFICATIONS

Evaporator Blower Specifications

GPG10—2- to 2½-Ton Models

Motor Speed	HIGH				MED-HIGH				MED				LOW			
E.S.P.	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	1,436	492	995	2.18	1,347	451	960	1.95	1,149	385	844	1.65	935	301	697	1.35
0.2	1,365	474	1,003	2.05	1,292	432	982	1.88	1,111	365	867	1.58	903	293	769	1.29
0.3	1,301	453	1,024	1.98	1,233	419	988	1.81	1,054	349	904	1.53	853	281	812	1.25
0.4	1,227	431	1,042	1.80	1,156	398	1,000	1.74	1,011	340	936	1.47	831	281	866	1.21
0.5	1,149	415	1,057	1.73	1,099	383	1,037	1.67	954	326	978	1.41	780	268	897	1.16
0.6	1,065	395	1,071	1.69	1,014	361	1,041	1.58	890	308	1,004	1.34	717	254	936	1.1
0.7	981	375	1,085	1.65	939	346	1,072	1.52	824	295	1,033	1.28	665	245	965	1.05
0.8	895	354	1,099	1.61	835	322	1,092	1.44	737	276	1,047	1.2	575	228	1,016	0.98

GPG10—3-Ton Models

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

GPG10—3½-Ton Models

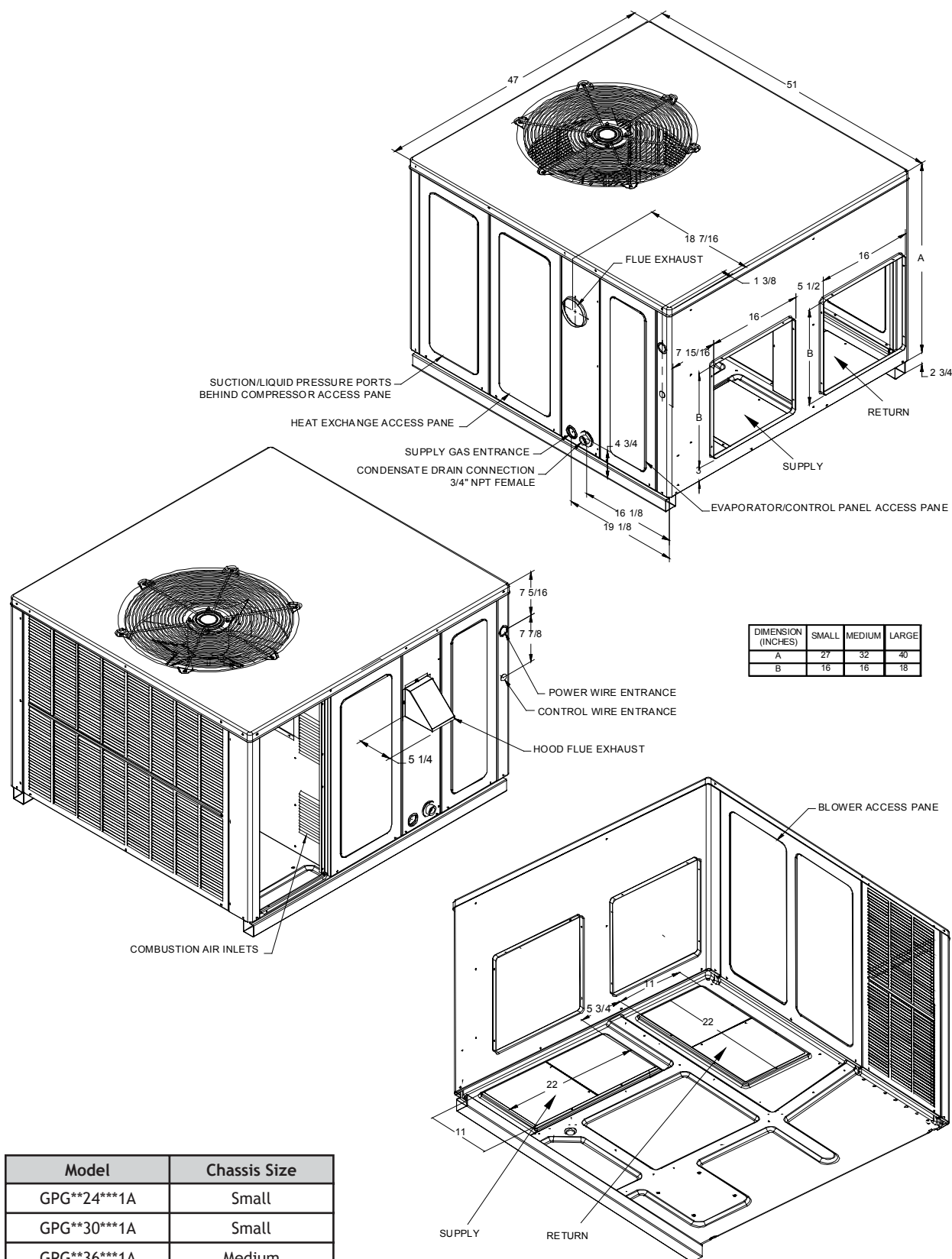
Motor Speed	HIGH				MED				LOW			
E.S.P.	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	-	-	-	-	-	-	-	-	-	-	-	-
0.2	1,610	680	960	2.95	1,425	590	879	2.56	1,180	485	781	2.16
0.3	1,545	660	976	2.9	1,365	575	905	2.5	1,140	470	804	2.07
0.4	1,480	645	994	2.78	1,310	555	926	2.42	1,085	455	837	2.01
0.5	1,385	625	1,007	2.71	1,245	545	952	2.35	1,025	445	869	1.95
0.6	1,325	610	1,022	2.65	1,175	525	969	2.28	970	430	900	1.87
0.7	1,250	580	1,033	2.53	1,095	505	989	2.19	-	-	-	-
0.8	1,145	560	1,047	2.43	1,000	485	1,011	2.1	-	-	-	-

GPG10—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

PRODUCT SPECIFICATIONS

Dimensions



Model	Chassis Size
GPC**24***1A	Small
GPC**30***1A	Small
GPC**36***1A	Medium
GPC**42***1A	Medium
GPC**48***1A	Large
GPC**60***1A	Large

PRODUCT SPECIFICATIONS

Accessories

Part Number	Description
PGC101/102/103	Roof Curb
PGED101/102	Downflow Economizer
PGED103	Downflow Economizer
PGEH101/102	Horizontal Economizer
PGEH103	Horizontal Economizer
PGMDD101/102	Manual 25% Fresh Air Damper—Downflow Applications
PGMDD103	Manual 25% Fresh Air Damper—Downflow Applications
PGMDH101	Manual 25% Fresh Air Damper—Horizontal Applications
PGMDH102	Manual 25% Fresh Air Damper—Horizontal Applications
PGMDH103	Manual 25% Fresh Air Damper—Horizontal Applications
PGMDMD101/102	Motorized 25% Fresh Air Damper—Downflow Applications
PGMDMD103	Motorized 25% Fresh Air Damper—Downflow Applications
PGMDMH101	Motorized 25% Fresh Air Damper—Horizontal Applications
PGMDMH102	Motorized 25% Fresh Air Damper—Horizontal Applications
PGMDMH103	Motorized 25% Fresh Air Damper—Horizontal Applications
SQRPG101/102	Square to Round Adapter (16" Round)—Downflow Applications
SQRPG103	Square to Round Adapter (18" Round)—Downflow Applications
PGFR101/102	Internal Filter Rack

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

LPT-00A	L.P. Conversion Kit
CHSATG	Thermostat: White, 1-Stage Heating/1-Stage Cooling, Nonprogrammable
CH70TG	Thermostat: White, 1-Stage Heating/1-Stage Cooling, Nonprogrammable, Digital



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