

PRODUCT SPECIFICATIONS



Air Conditioning & Heating

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



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

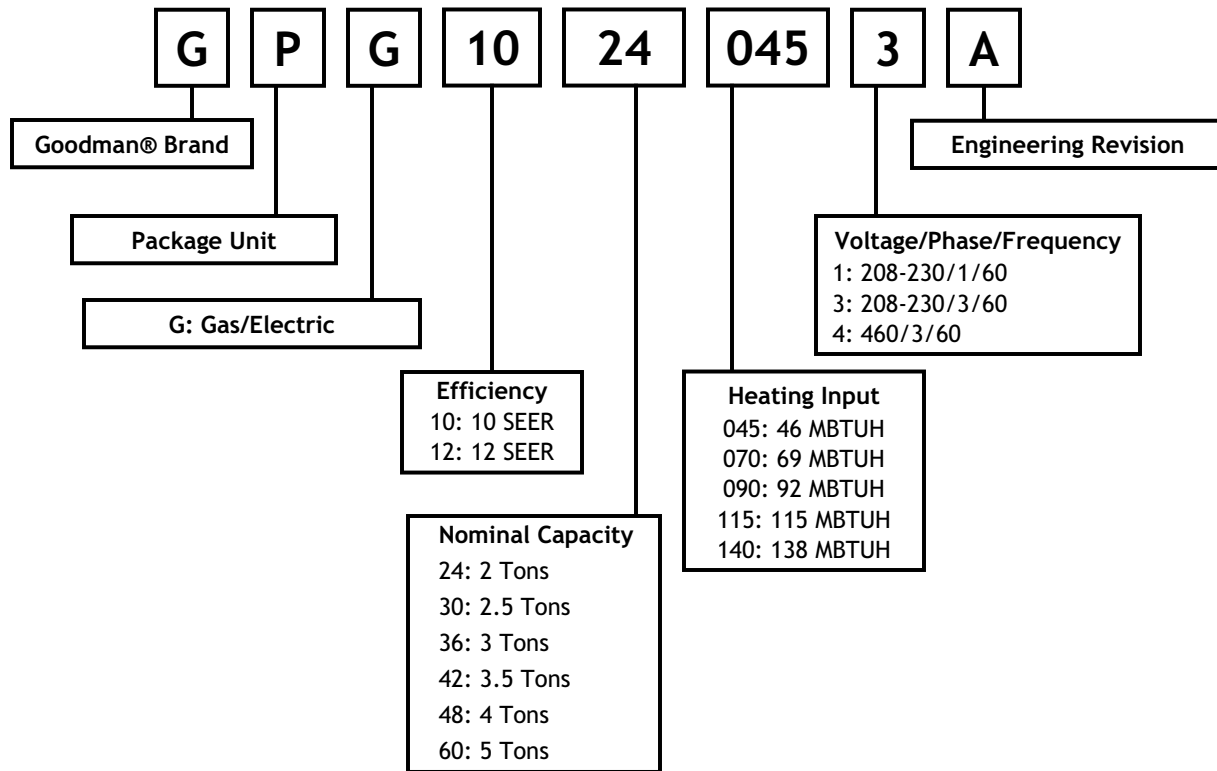
- Convenient access panels
- High-quality UV-resistant powder-paint finish
- Fully insulated
- Bottom, 2" high base rails for easier handling
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

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

Model	Cooling Capacities (BTUH)		EERa	SEER	Decibels	Heating Capacities -- USA (BTUH)		AFUE	Temp. Rise Range	No. of Burners	Orifice Size (Natural/Propane)	Operating Weight (pounds)	Shipping Weight (pounds)
	Total	Sensible				Input	Output						
GPG10240451A	24,000	18,400	9.4	10.0	76.0	46,000	36,700	80.0	30 - 60	2	43" / 55"	364	386
GPG10240701A	24,000	18,400	9.4	10.0	76.0	69,000	55,000	80.0	35 - 65	3	43" / 55"	369	391
GPG10300701A	29,600	22,800	9.0	10.0	76.0	69,000	55,000	80.0	35 - 65	3	43" / 55"	375	397
GPG10360701A	35,200	27,400	9.3	10.0	76.0	69,000	55,000	80.0	35 - 65	3	43" / 55"	423	445
GPG10360901A	35,200	27,400	9.3	10.0	76.0	92,000	72,900	80.0	45 - 75	4	43" / 55"	428	450
GPG10420701A	40,000	31,200	9.4	10.0	76.0	69,000	55,000	80.0	35 - 65	3	43" / 55"	437	459
GPG10420901A	40,000	31,200	9.4	10.0	76.0	92,000	72,900	80.0	45 - 75	4	43" / 55"	442	464
GPG10480901A	47,000	36,200	9.1	10.0	76.0	92,000	72,900	80.0	45 - 75	4	43" / 55"	496	518
GPG10481151A	47,000	36,200	9.1	10.0	76.0	115,000	91,200	80.0	45 - 75	5	43" / 55"	503	525
GPG10600901A	56,000	43,600	9.0	10.0	76.0	92,000	72,900	80.0	45 - 75	4	43" / 55"	512	534
GPG10601401A	56,000	43,600	9.0	10.0	76.0	138,000	110,200	80.0	45 - 75	6	43" / 55"	526	548

Electrical Specifications—Single-Phase Units

Model	Voltage / Phase / Frequency	Compressor RLA / LRA	Indoor Blower FLA / LRA	Outdoor Fan RLA / LRA	Total Unit Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protection (amps)	Electrical Entrance Size Power Supply	Electrical Entrance Size Control Voltage
GPG10240451A	208-230/1/60	9.8 / 56.0	1.9 / 3.6	1.1 / 1.8	11.3	15.3	20	1-1/8"	7/8"
GPG10240701A	208-230/1/60	9.8 / 56.0	1.9 / 3.6	1.1 / 1.8	11.3	15.3	20	1-1/8"	7/8"
GPG10300701A	208-230/1/60	13.7 / 75.0	1.9 / 3.6	1.1 / 1.8	14.9	20.2	30	1-1/8"	7/8"
GPG10360701A	208-230/1/60	14.9 / 96.0	2.1 / 3.6	1.8 / 3.8	18.5	22.6	30	1-1/8"	7/8"
GPG10360901A	208-230/1/60	14.9 / 96.0	2.1 / 3.6	1.8 / 3.8	18.5	22.6	30	1-1/8"	7/8"
GPG10420701A	208-230/1/60	16.2 / 96.0	2.6 / 5.0	1.8 / 3.8	19.5	24.7	40	1-1/8"	7/8"
GPG10420901A	208-230/1/60	16.2 / 96.0	2.6 / 5.0	1.8 / 3.8	19.5	24.7	40	1-1/8"	7/8"
GPG10480901A	208-230/1/60	19.5 / 102.0	4.7 / 12.2	2.4 / 5.2	23.2	31.5	50	1-1/8"	7/8"
GPG10481151A	208-230/1/60	19.5 / 102.0	4.7 / 12.2	2.4 / 5.2	23.2	31.5	50	1-1/8"	7/8"
GPG10600901A	208-230/1/60	26.5 / 148.0	4.7 / 12.2	2.4 / 5.2	29.6	40.3	60	1-1/8"	7/8"
GPG10601401A	208-230/1/60	26.5 / 148.0	4.7 / 12.2	2.4 / 5.2	29.6	40.3	60	1-1/8"	7/8"

PRODUCT SPECIFICATIONS

Condenser Specifications—Single-Phase Units

Model	Condenser Fan			Condenser Coil	
	Horsepower - RPM	Fan Diameter / Number of Fan Blades	Outdoor Nominal CFM	Face Area (ft*2)	Rows Deep / Fins per Inch
GPG10240451A	1/6 - 1,075	22" / 3	2,400	7.8	1 / 19
GPG10240701A	1/6 - 1,075	22" / 3	2,400	7.8	1 / 19
GPG10300701A	1/6 - 1,075	22" / 3	2,400	7.8	1 / 19
GPG10360701A	1/4 - 1,075	22" / 3	2,700	12.4	1 / 19
GPG10360901A	1/4 - 1,075	22" / 3	2,700	12.4	1 / 19
GPG10420701A	1/4 - 1,075	22" / 3	2,700	12.4	1 / 19
GPG10420901A	1/4 - 1,075	22" / 3	2,700	12.4	1 / 19
GPG10480901A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10481151A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10600901A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10601401A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19

Evaporator Specifications—Single-Phase Units

Model	Evaporator Motor						Evaporator Coil					
	Type	Wheel (D x W)	Indoor Nominal CFM	Motor Speed Tap (Cooling)	RPM/ Amps (Cooling)	Horsepower - RPM	Face Area (ft*2)	Rows Deep / Fins per Inch	Piston Size (Cooling)	Filter Size (ft*2)	Drain Size (NPT)	Refrigerant Charge (oz.)
GPG10240451A	DD	10" x 8"	850	Low	885/1.2	1/3 - 1,080	3.67	2 / 14	0.057"	2.8	3/4"	50
GPG10240701A	DD	10" x 8"	850	Low	885/1.2	1/3 - 1,080	3.67	2 / 14	0.057"	2.8	3/4"	50
GPG10300701A	DD	10" x 8"	1,050	Med-Low	965/1.5	1/3 - 1,080	3.67	2 / 14	0.065"	3.5	3/4"	50
GPG10360701A	DD	10" x 9"	1,250	Med-High	1,040/1.8	1/3 - 1,080	4.33	2 / 14	0.071"	4.2	3/4"	75
GPG10360901A	DD	10" x 9"	1,250	Med-High	1,040/1.8	1/3 - 1,080	4.33	2 / 14	0.071"	4.2	3/4"	75
GPG10420701A	DD	11" x 10"	1,425	Medium	940/2.5	3/4 - 1,100	4.33	4 / 14	0.076"	4.8	3/4"	88
GPG10420901A	DD	11" x 10"	1,425	Medium	940/2.5	3/4 - 1,100	4.33	4 / 14	0.076"	4.8	3/4"	88
GPG10480901A	DD	11" x 10"	1,525	Medium	990/3.1	3/4 - 1,100	5.67	4 / 14	0.08"	5.1	3/4"	98
GPG10481151A	DD	11" x 10"	1,525	Medium	990/3.1	3/4 - 1,100	5.67	4 / 14	0.08"	5.1	3/4"	98
GPG10600901A	DD	11" x 10"	1,950	High	1,080/4.7	3/4 - 1,100	5.67	4 / 14	0.092"	6.2	3/4"	100
GPG10601401A	DD	11" x 10"	1,950	High	1,080/4.7	3/4 - 1,100	5.67	4 / 14	0.092"	6.2	3/4"	100

PRODUCT SPECIFICATIONS

Specifications—3-Phase Units

Model	Cooling Capacities (BTUH)		EERa	SEER	Decibels	Heating Capacities -- USA (BTUH)		AFUE	Outdoor Steady State Efficiency	Temp. Rise Range	No. of Burners	Orifice Size (Natural/Propane)	Operating Weight (pounds)	Shipping Weight (pounds)
	Total	Sensible				Input	Output							
GPG10360903A	35,200	27,400	9.3	10.0	76.0	92,000	72,900	-	82.6%	45 - 75	4	43" / 55"	478	500
GPG10480903A	47,000	36,200	9.1	10.0	76.0	92,000	72,900	-	82.6%	45 - 75	4	43" / 55"	496	518
GPG10600903A	56,000	43,600	9.0	10.0	76.0	92,000	72,900	-	82.6%	45 - 75	4	43" / 55"	512	534
GPG10601403A	56,000	43,600	9.0	10.0	76.0	138,000	110,200	-	83.1%	45 - 75	6	43" / 55"	526	548
GPG10601404A	56,000	43,600	9.0	10.0	76.0	138,000	110,200	-	83.1%	45 - 75	6	43" / 55"	526	548

Electrical Specifications—3-Phase Units

Model	Voltage / Phase / Frequency	Compressor RLA / LRA	Indoor Blower FLA / LRA	Outdoor Fan RLA / LRA	Minimum Circuit Ampacity	Maximum Overcurrent Protection (amps)	Electrical Entrance Size Power Supply	Electrical Entrance Size Control Voltage
GPG10360903A	208-230/3/60	8.9 / 63.0	2.6 / 5.0	1.8 / 3.8	15.6	20	1-1/8"	7/8"
GPG10480903A	208-230/3/60	12.6 / 91.0	4.7 / 12.2	2.4 / 5.2	22.9	30	1-1/8"	7/8"
GPG10600903A	208-230/3/60	17.3 / 123.0	4.7 / 12.2	2.4 / 5.2	25.8	40	1-1/8"	7/8"
GPG10601403A	208-230/3/60	17.3 / 123.0	4.7 / 12.2	2.4 / 5.2	25.8	40	1-1/8"	7/8"
GPG10601404A	460/3/60	7.5 / 49.5	2.2 / 4.8	1.2 / 2.6	12.8	20	1-1/8"	7/8"

Condenser Specifications—3-Phase Units

Model	Condenser Fan			Condenser Coil	
	Horsepower - RPM	Fan Diameter / Number of Fan Blades	Outdoor Nominal CFM	Face Area (ft*2)	Rows Deep / Fins per Inch
GPG10360903A	1/4 - 1,075	22" / 3	2,700	15.3	1 / 19
GPG10480903A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10600903A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10601403A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19
GPG10601404A	1/3 - 1,075	22" / 3	3,500	15.3	1 / 19

Evaporator Specifications—3-Phase Units

Model	Evaporator Motor				Evaporator Coil					
	Type	Wheel (D x W)	Indoor Nominal CFM	Horsepower - RPM	Face Area (ft*2)	Rows Deep / Fins per Inch	Piston Size (Cooling)	Filter Size (ft*2)	Drain Size (NPT)	Refrigerant Charge (oz.)
GPG10360903A	DD	11" X 10"	1,250	3/4 - 1,100	5.67	2 / 14	0.071"	4.3	3/4"	75
GPG10480903A	DD	11" X 10"	1,525	3/4 - 1,100	5.67	4 / 14	0.08"	5.4	3/4"	98
GPG10600903A	DD	11" X 10"	1,950	3/4 - 1,100	5.67	4 / 14	0.092"	6.8	3/4"	100
GPG10601403A	DD	11" X 10"	1,950	3/4 - 1,100	5.67	4 / 14	0.092"	6.8	3/4"	100
GPG10601404A	DD	11" X 10"	1,950	3/4 - 1,100	5.67	4 / 14	0.092"	6.8	3/4"	100

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
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
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

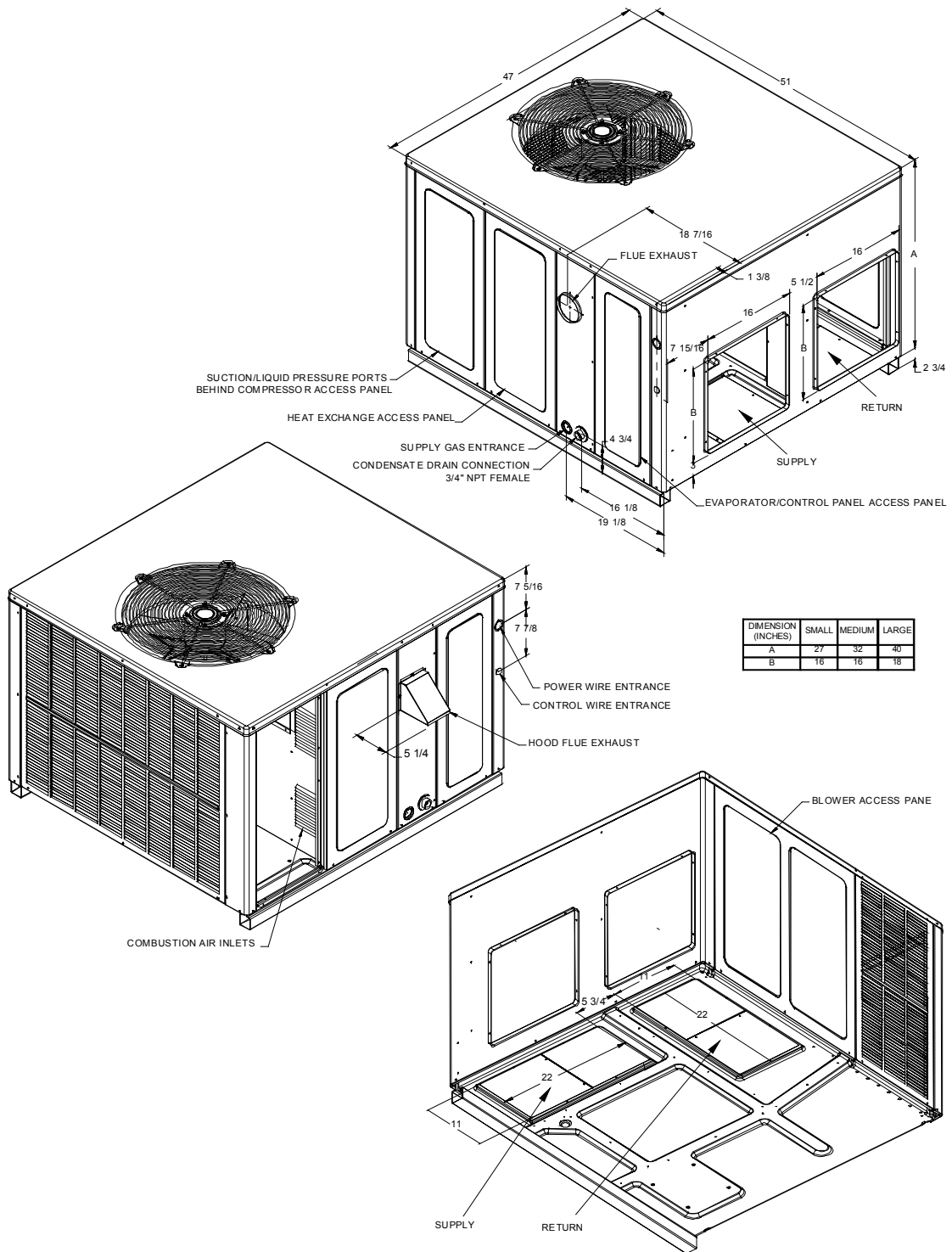
Motor Speed	HIGH				MED				LOW				
	E.S.P.	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps	CFM	Watts	RPM	Amps
0.1	-	-	-	-	-	-	-	-	-	-	-	-	-
0.2	1,610	680	960	2.95	1,425	590	879	2.56	1,180	485	781	2.16	
0.3	1,545	660	976	2.9	1,365	575	905	2.5	1,140	470	804	2.07	
0.4	1,480	645	994	2.78	1,310	555	926	2.42	1,085	455	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
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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