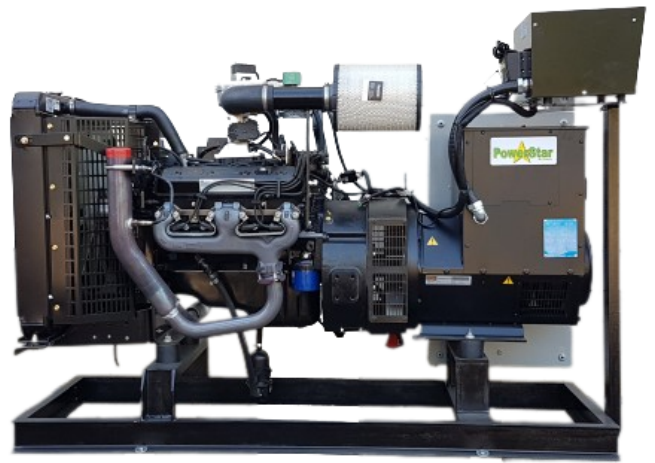


AB GENSETS

GM NG Direct Coupled to 1800 RPM Brushless Generator

- Brushless generators
- Factory tested
- Revolving field class H, 125°C temperature rise generator
- 1% voltage regulation
- Unit mounted radiator with fan guard
- Rubber isolators between unit and base for vibration free operation
- Lifting eyes for easy handling
- Absence of brush gear and high quality AVR ensures low levels of radio interference
- Generators meet the requirements of BS5000 part 3, VDE0530, UTE5100, NEMA MGI-22, CEMA, IE34-1, CSA22.2, and AS1359



Standard Equipment

- Batteries and battery cables
- Battery charging alternator
- Automatic trickle charger
- Engine jacket water heater
- Engine oil and anti-freeze
- Exhaust system (includes muffler, stainless steel bellows connector, rain cap, clamps and 5 feet of exhaust pipe)

DISPLAY | MASTER 4 Controller Standard Features

- Rugged solid state microprocessor design
- 16 character, 2 line backlit LCD display
- Easy keypad programming of all set points, password protected for security
- Remote start/stop capability
- Accurate digital readout of AC volts, amps, phase, frequency, kW, kVA, power factor, battery volts, runtime hours, oil pressure and water temperature
- Indicator lights for normal operation, pre-alarm and fault conditions
- Indicator light for remote start signal
- All shutdowns display on screen until system is reset
- Audible alarm for shutdowns and/or pre-alarms
- 6 user configurable dry contact relay outputs (readily available plug-in relays optional)
- 8 user configurable digital inputs
- Plug-in connectors for easy circuit board replacement
- System Lock feature disables starting of generator for maintenance purposes (requires password to unlock)

Pre-alarms

- Low engine temperature, high engine temperature, low oil pressure, over speed, high battery volts, low battery volts, unit not in auto

Shutdowns

- High engine temperature, low oil pressure, low coolant level, over speed, over crank, no speed signal, emergency stop, weak battery

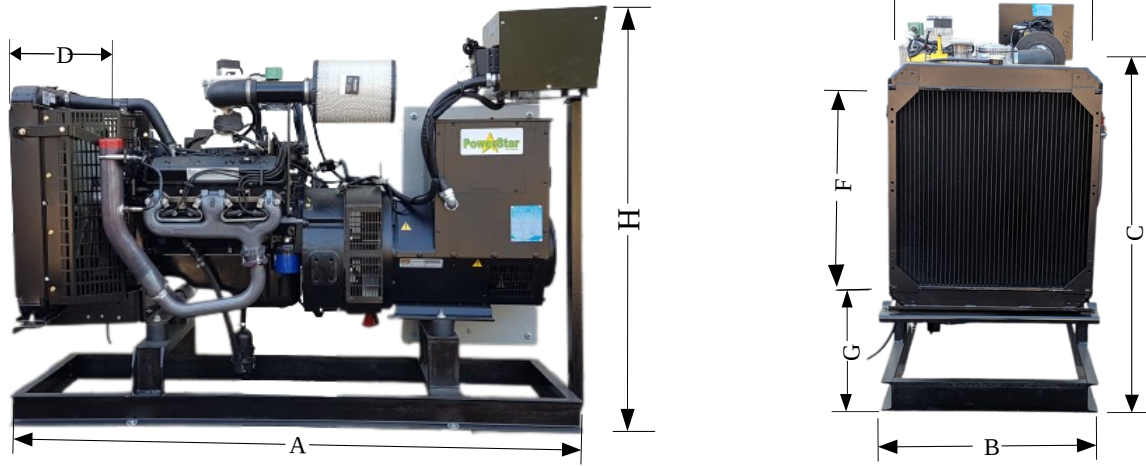
Optional Equipment

- Automatic transfer switches
- Dual wall sub base fuel tanks
- Enclosures
- Trailers
- Main breaker
- Automatic idle for warmup and cooldown
- Permanent magnet generator (PMG) system (provides 300% short circuit withstanding capability)
- Over current sensing, shutdown and display
- Low fuel pre-alarm, shutdown and display
- 29 light remote annunciator with dry relay contacts for all pre-alarms and faults
- Low oil level pre-alarm or shutdown with display
- Pre-alarm and fault relay contacts 10 amp

MODEL SELECTION

Model	KW	KVA	Phase	Volts	RPM	Amps	Breaker Size
1G040G	40	40	1	120/240	1800	166	175A
2G040G	40	50	3	120/208	1800	138	150A
6G040G	40	50	3	347/600	1800	48	50A
1G060G	60	60	1	120/240	1800	250	250A
2G060G	60	75	3	120/208	1800	208	225A
6G060G	60	75	3	347/600	1800	72	80A

DIMENSIONS



Model	A	B	C	D	E	F	G	H	Total Wt.
40 kW	72	29	40	16	24	24.5	15	50	1400 lbs.
60 kW	76	29	46	13.5	24	24.5	15	54	2000 lbs.

SPECIFICATIONS

	Units of Measurement	40 kW	60 kW
Engine Model		Vortec 4.3L	Vortec 5.7L
Horsepower		68	105
Type		6 cyl. Vee	8 cyl. Vee
Aspiration		Natural	Natural
Bore x Stroke	mm (inches)	101.6 x 88.4(4 x 3.48)	101.6 x 88.4(4 x 3.48)
Displacement	litres (cubic inches)	4.3 (262)	5.7 (350)
Compression Ratio		9.05:1	9.1:1
Fuel Consumption 100% Load	m ³ /hr (cfh)	16.5 (584)	22.4 (790)
Fuel Consumption 75% Load	m ³ /hr (cfh)	13.8 (486)	19.4 (685)
Fuel Consumption 50% Load	m ³ /hr (cfh)	10.2 (360)	14.7 (520)
Battery Size	(Cranking Amps)	31A(950)	31A(950)
Oil Capacity	Litres (US gal)	5.7 (1.5)	6.2 (1.63)
Coolant Capacity	Litres (US gal)	18.9 (5.0)	20.1 (5.3)
Thermostat Range	°C (°F)	82-95 (180-203)	82-95 (180-203)
Max Pressure Cap	kpa (psi)	49 (7)	49 (7)
Intake Air Flow	m ³ /min (cfm)	2.78 (98)	5.2 (185)
Exhaust Gas Temperature	°C (°F)	649 (1200)	649 (1200)
Exhaust Gas Flow	m ³ /min (cfm)	9.3 (327)	16.4 (580)
Heat Rejection to Coolant	BTU/min	2320	3120
Ambient Capacity of Radiator	°C (°F)	50 (122)	50 (122)
Max Allowable Back Pressure on Exhaust	kpa (in Hg)	N/A	N/A
Air Flow Required Through Radiator	m ³ /min (cfm)	181 (6400)	238 (8400)
BTU Requirement	BTU/Hour	595,000	890,000
Pressure Requirement	Water Column(Inches)	7-11 "	7-11"

Manufactured by:

AB GENSETS

3347 Ament Line

RR#3 Wallenstein On. Canada N0B 2S0

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