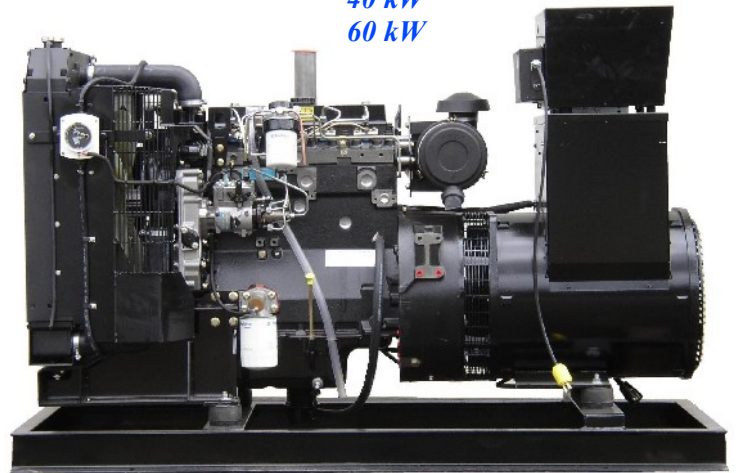




40 kW
60 kW

Perkins Diesel Direct Coupled to 1800 RPM Brushless Generator

- Choice of Newage or Marathon 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



Pictured with Marathon Generator

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)

Displaymaster 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



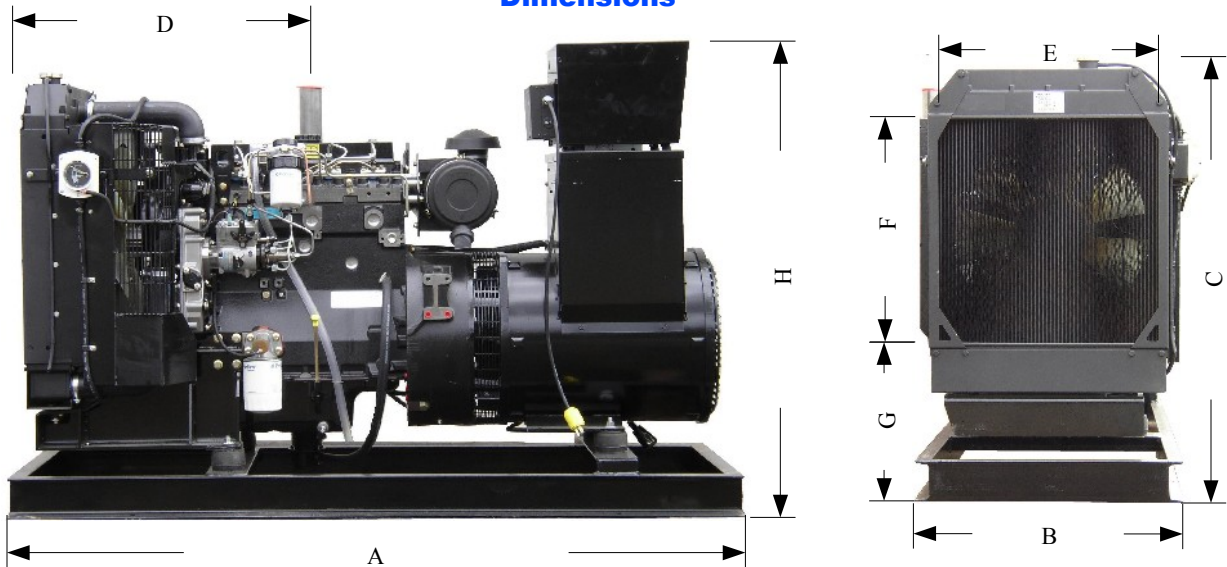
Optional Equipment

- 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 Chart

Model	KW	KVA	Phase	Volts	RPM	Amps	Breaker size
1D040P	40	40	1	120/240	1800	166	175A
2D040P	40	50	3	120/208	1800	138	150A
6D040P	40	50	3	347/600	1800	48	50A
1D060P	60	60	1	120/240	1800	250	250A
2D060P	60	75	3	120/208	1800	208	225A
6D060P	60	75	3	347/600	1800	72	75A

Dimensions



All dimensions are in inches

A	B	C	D	E	F	G	H	Total Wt.
76"	26"	44"	27"	21.5"	22"	15.5"	48"	2000 lbs.

Specifications

		40 kW	60 kW
Engine Model		1104C-44G2	1104C-44TG2
Horsepower		75	95
Type		4 cyl. Inline	4 cyl. Inline
Aspiration		Natural	Turbocharged
Bore x Stroke	mm(inches)	105 x 127 (4.13 x 4.99)	105 x 127 (4.13 x 4.99)
Displacement	litres(cubic inches)	4.4 (268.5)	4.4(268.5)
Compression ratio		19.25:1	18.23:1
Fuel Consumption 100% load	litre/hr.(US gal/hr)	12.1(3.2)	19.7(5.20)
Fuel Consumption 75% load	litre/hr.(US gal/hr)	9.2(2.48)	16.5(4.35)
Fuel Consumption 50% load	litre/hr.(US gal/hr)	6.5(1.71)	11(2.9)
Battery size	(cranking amps)	4D (1000)	4D (1000)
Oil capacity	litres(US gal)	8.5(2.25)	8.5(2.25)
Coolant capacity	litres(US gal)	12.8(3.38)	12.8(3.38)
Thermostat range	°C(°F)	82-93(180-200)	82-93(180-200)
Intake air flow	m ³ /min(cfm)	3.55(125)	5.29(186.8)
Exhaust gas temperature	°C(°F)	676(1249)	594(1101)
Exhaust gas flow	m ³ /min(cfm)	9.95(351)	13.8(487)
Air flow required through radiator	m ³ /min(cfm)	81.6(2882)	128(4520)

Manufactured By:

A B Gensets Inc.

Specializing in Generator Sets, Controls and Switchgear

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