

Emergency Aid Camp Infrastructure



Genset BPG100RSC



Enclosed Set



Open Set

Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	100k VA / 80 kW	110 kVA / 88 kW

Ratings

- Prime output: This rating is applicable for supplying continuous electrical power at variable load. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.
- Standby output: This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.
- Standard reference conditions: 25°C, 100m A.S.L, 30% relative humidity.

Design Features

- High quality assembly, providing stiffness and low vibration.
- Powder coated steel. Corrosion and scratch resistant.
- Compact and long service life.
- Wiring and connectors with double protection.
- Protection guards in radiator and high voltage parts.
- Full 12 month BPG warranty.

Design Standards

- CE marking.
- ISO 8528-1995
- GB/T2820-1997
- ISO 9001:2008 registered company.

Configuration

- 4-Stroke water cooled diesel engine.
- Industrial silencer.
- Coolant recovery tank.
- Single bearing, 4 pole brushless alternator.
- Anti-vibration mountings.
- Integral fuel tank with fully bounded base protection.
- Fuel level sensor.
- Auto start control system with electronic digital control module DSE7420.
- Output circuit breaker.
- Emergency stop button.
- High engine temperature and low oil pressure shutdown system.
- 12V Starter battery with leads and switch.

Acoustic Canopy Features

- Water and dust proof design.
- Door locks.
- High quality sound absorbing and fire retardant inner material.
- Lifting lugs.
- Forklift holes in base.

Images shown above are for illustrative purposes only.



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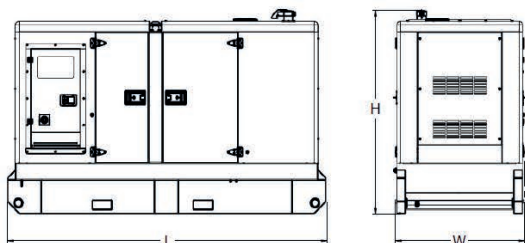


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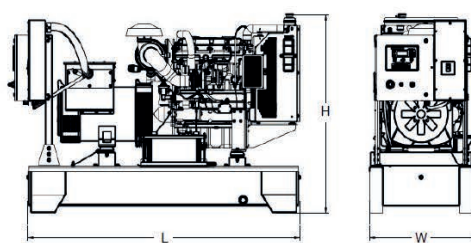
Engine Data			
Engine brand	Perkins	Total coolant capacity	37.22 litres
Engine model	1104C-44TAG2	Total lub. oil capacity	12.6 litres
Engine speed	1500 RPM	Cooling air flow	165.6 m ³ /min
Number of cylinders	4	Exhaust gas flow	16.3 m ³ /min
Aspiration	Turbo & Aftercooled	Exhaust gas temperature	543°C
Combustion system	Direct injection	Fuel cons. @ 100% standby load	24.9 l/hr
Displacement	4.4 litres	Fuel cons. @ 100% prime load	22.6 l/hr
Governor type	Mechanical	Fuel cons. @ 75% prime load	17.1 l/hr
Cooling system	Water cooled	Fuel cons. @ 50% prime load	11.2 l/hr

Alternator Data			
Alternator brand	Leroy Somer	Number of wires	12 re-connectable
Alternator model	LSA44.3S5	AVR model	R 250
Excitation	Self excited	Voltage regulation	± 0.5%
Insulation class	H	Total harmonic distortion	< 2%
Drip proof protection	IP23	Telephone interference	TIF<50%, THF <2%
Winding pitch	2/3 (wdg 6)	Flanges and shield	Cast Iron

Enclosed Set Data



Open Set Data



L x W x H (mm)	Weight (kg)	Fuel Tank (litres)	Noise @ 7m	L x W x H (mm)	Weight (kg)	Fuel Tank (litres)	Noise @ 7m
3038 x 1132 x 1850	1852	240	70db	2204 x 798 x 1395	1244	260	111db

Due to constant innovation, design and specifications are subject to change without notice. All weights, dimensions and noise levels are subject to a 10% tolerance.

Distributor Address:



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