



Genset Model:

PG100RS

Enclosed set



Open set



Frequency

Phases

Power Factor

Prime Output

Standby Output

50Hz

3

0.8

100 kVA / 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
- Power 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 YorPower warranty

Design Standards

- CE marking
- ISO8528-1995
- 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 banded 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

** The images above are for illustration purposes only.



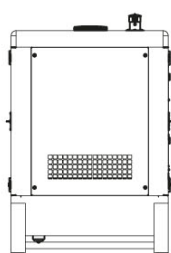
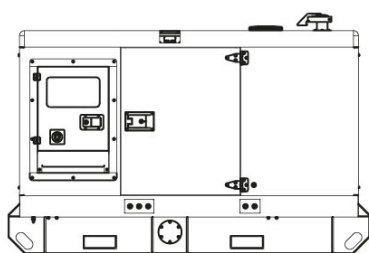
Engine data

Engine brand	Perkins	Total coolant capacity	37.22 Litres
Engine model	1104C-44TAG2	Total lube 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. @ 110% 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	11.8 l/hr

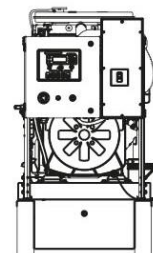
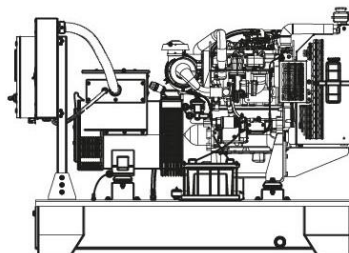
Alternator data

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	Fuel tank	Noise@7M
3038 x 1132 x 1850	1852 kg	240 Litres	70db

L x W x H (mm)	Weight	Fuel tank	Noise@7M
2204 x 798 x 1395	1244 kg	260 Litres	111db

** Due to constant innovation, design and specifications are subject to change without notice.

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