



Genset Model:

**PG45RS**

Enclosed set



Open set



Frequency

Phases

Power Factor

Prime Output

Standby Output

50Hz

3

0.8

45 kVA / 36 kW

50 kVA / 40 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.



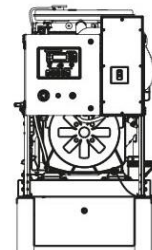
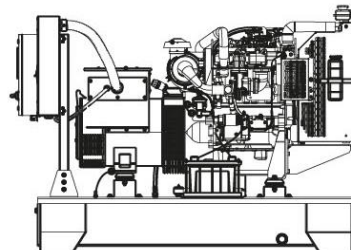
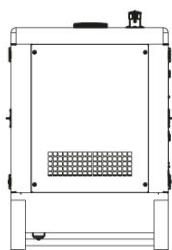
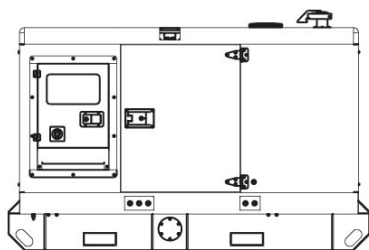
## Engine data

Engine brand	Perkins	Total coolant capacity	10.2 Litres
Engine model	1103A-33TG1	Total lube oil capacity	8.3 Litres
Engine speed	1500 RPM	Cooling air flow	53 m <sup>3</sup> /min
Number of cylinders	3	Exhaust gas flow	7.7 m <sup>3</sup> /min
Aspiration	Turbocharged	Exhaust gas temperature	537°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	12 l/hr
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	10.7 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	8.2 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	5.7 l/hr

## Alternator data

Alternator brand	Leroy Somer	Number of wires	12 re-connectable
Alternator model	LSA42.3M7	AVR model	R 220
Excitation	Self excited	Voltage regulation	± 0.5%
Insulation class	H	Total Harmonic distortion	No load < 3%, on load < 2%
Drip proof protection	IP23	Telephone interference	TIF < 50%
Winding pitch	2/3 (wdg 6)	Flanges and shield	Aluminium

## Enclosed set data



L x W x H (mm)	Weight	Fuel tank	Noise@7M
2338 x 1080 x 1551	1295 kg	180 Litres	69db

## Open set data

L x W x H (mm)	Weight	Fuel tank	Noise@7M
1904 x 798 x 1384	928 kg	220 Litres	95db

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

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