

Genset
Model: **YXP45RSC**

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.
- 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 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 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.

** The images above are for illustration purposes only.

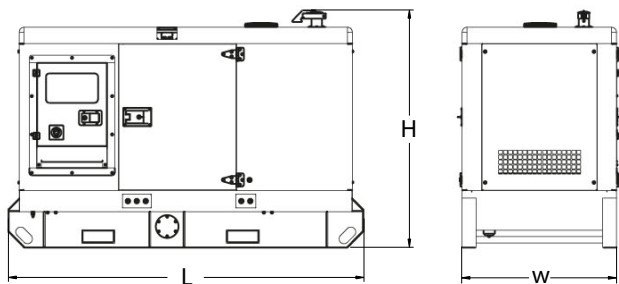
Engine data

Engine brand	Perkins	Total coolant capacity	10.2 Litres
Engine model	1103A-33TG1	Total lub oil capacity	8.3 Litres
Engine Speed	1500 RPM	Cooling air flow	53 m ³ /min
Number of cylinders	3	Exhaust gas flow	7.7 m ³ /min
Aspiration	Turbocharged	Exhaust gas temperature	537 °C
Combustion system	Direct injection	Fuel cons. @ 100% Standby load	12.0 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

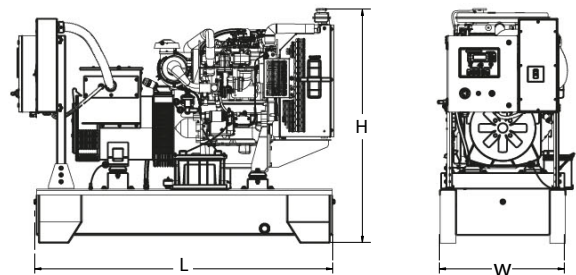
Alternator brand	Leroy Somer	Number of wires	12 re-connectable
Alternator model	LSA42.3M7	AVR model	R 220
Excitation	Self excited	Voltage regulation	± 0.5%
Insulation class	H	Total Harmonic distortion	no load < 3%, on load < 2%
Drip proof protection	IP23	Telephone interference	TIF < 50%
Winding pitch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

Enclosed set data



L x W x H (mm)	Weight	Fuel tank	Noise@7m
2300 x 1045 x 1551	1295 kg	180 Litres	69 db

Open set data



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

** 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.

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