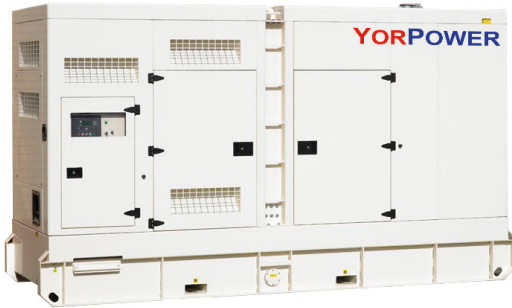


Genset
Model: **YXP450RSC**

Enclosed set



Open set



Frequency	Phases	Power factor	Prime output	Standby output
50Hz	3	0.8	450 kVA / 360 kW	495 kVA / 396 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 as standard.
- Output circuit breaker.
- Emergency stop button.
- High engine temperature and low oil pressure shutdown system.
- 24V 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.

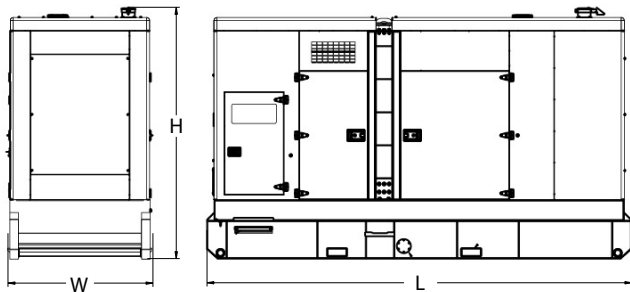
Engine data

Engine brand	Perkins	Total coolant capacity	58 Litres
Engine model	2506A-E15TAG1	Total lub oil capacity	62 Litres
Engine Speed	1500 RPM	Cooling air flow	722 m ³ /min
Number of cylinders	6	Exhaust gas flow (max)	94 m ³ /min
Aspiration	Turbo & Aftercooled	Exhaust gas temperature (max)	550 °C
Combustion system	Direct injection	Fuel cons. @ 100% Standby load	104.0 l/hr
Displacement	12.5 Litres	Fuel cons. @ 100% Prime load	95.0 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	72.0 l/hr
Cooling system	Water cooled	Fuel cons. @ 50% Prime load	50.0 l/hr

Alternator data

Alternator brand	Leroy Somer	Number of wires	12
Alternator model	LSA47.2S5	AVR model	R 250
Excitation	Self excited	Voltage regulation	± 0.5%
Insulation class	H	Total Harmonic distortion	< 2% on load
Drip proof protection	IP23	Telephone interference	TIF < 50%
Winding pitch	2/3 (N° 6 or N° 6S)	Flanges and shield	Cast iron

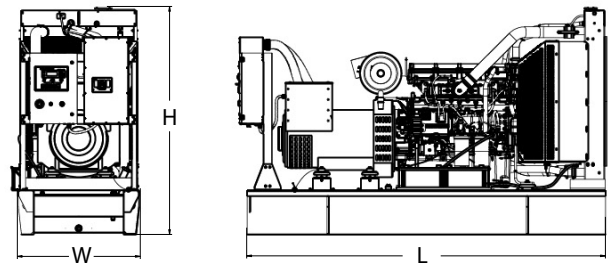
Enclosed set data



L x W x H (mm) Weight Fuel tank Noise@7m

4512 x 1500 x 2553 5535 kg 1020 Litres 70.6 db

Open set data



L x W x H (mm) Weight Fuel tank Noise@7m

3589 x 1165 x 2144 3572 kg 810 Litres 109 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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