YORPOWER

Genset Model: **YXP500RS**

Enclosed set

Open set

Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	500 kVA / 400 kW	550 kVA / 440 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
- 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.
- 24V starter battery with leads and switch

** The images above are for illustration purposes only.

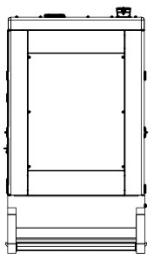
Engine data

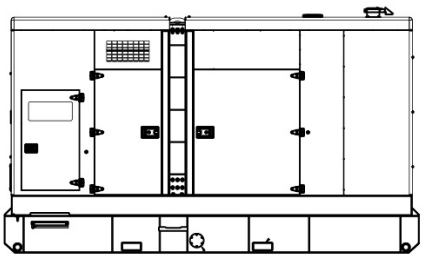
Engine brand	Perkins	Total coolant capacity	58 Litres
Engine model	2506C-E15TAG2	Total lube oil capacity	62 Litres
Engine speed	1500 RPM	Cooling air flow	722 m³/min
Number of cylinders	6	Exhaust gas flow	98 m³/min
Aspiration	Turbo & Aftercooled	Exhaust gas temperature	550°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	111 l/hr
Displacement	12.5 Litres	Fuel cons. @ 100% Prime load	100 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	76 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	53 l/hr

Alternator data

Alternator brand	Leroy Somer	Number of wires	12
Alternator model	LSA47.2M7	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

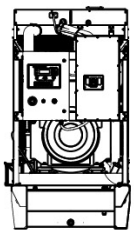
Enclosed set data

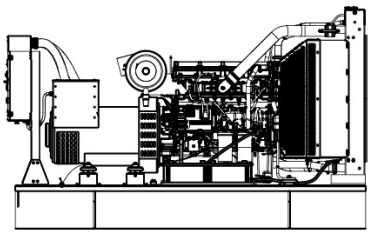




L x W x H (mm)	Weight	Fuel tank	Noise@7M
4592 x 1543 x 2562	5264 kg	1020 Litres	70.6db

Open set data





L x W x H (mm)	Weight	Fuel tank	Noise@7M
3765 x 1165 x 2145	3820 kg	950 Litres	109db

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

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