

Genset
Model:

YXC500RS

Enclosed set



Open set



Frequency

Phases

Power Factor

Prime Output

Standby Output

50Hz

3

0.8

455 kVA / 364 kW

500 kVA / 400 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.
- 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

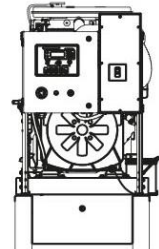
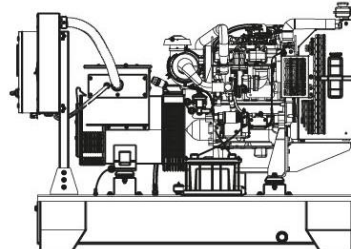
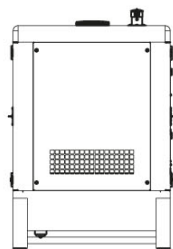
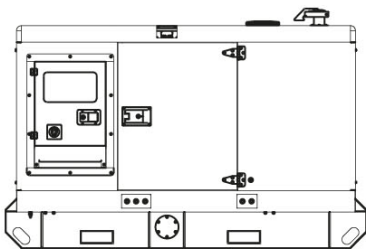
Engine brand	Cummins	Total coolant capacity	24 Litres
Engine model	QSX15-G6	Total lube oil capacity	91 Litres
Engine speed	1500 RPM	Compression Ratio	17 : 1
Number of cylinders	6	Maximum Back Pressure	76 mm Hg
Aspiration	Turbocharged	Fuel cons. @ 110% standby load	108 l/hr
Bore and stroke	137mm x 152mm	Fuel cons. @ 100% Prime load	95.9 l/hr
Displacement	15.0 Litres	Fuel cons. @ 75% Prime load	74.3 l/hr
Fuel system	Direct Injection	Fuel cons. @ 50% Prime load	51.3 l/hr

Alternator data

Alternator brand	Newage Stamford	Stator Winding	Double layer LAP
Alternator model	HCI544C	AVR model	AS440
Excitation	Self excited	Voltage regulation	± 1.0%
Insulation class	H	Winding Leads	12
Drip proof protection	IP23	Telephone interference	TIF < 50%, THF < 2%
Winding pitch	2/3	Waveform Distortion	No load < 1.5%

Enclosed set data

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L x W x H (mm)	Weight	Fuel tank	Noise@7M
4500 x 1550 x 2450	5380 kg	950 Litres	TBC

L x W x H (mm)	Weight	Fuel tank	Noise@7M
3315 x 1280 x 1830	4015 kg	940 Litres	TBC

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

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