

Genset
Model:

YC500RS

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	455kVA / 364 kW	500 kVA / 400kW

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 9001:2015 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
- Output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 12V starter battery with leads and switch

** The images above are for illustration purposes only.

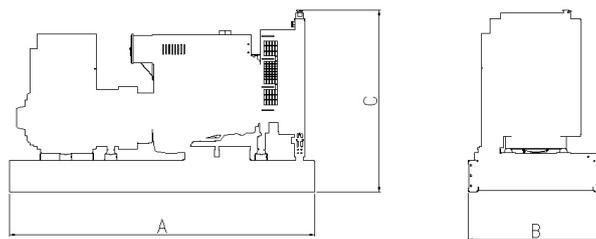
Engine data

Engine brand	Cummins	Total coolant capacity	65.9 Litres
Engine model	QSZ13-G5	Total lube oil capacity	91 Litres
Engine speed	1500 RPM	Cooling air flow	11.35
Number of cylinders	6	Exhaust gas flow	82.2 m³/min
Aspiration	Turbo Charged and Charge Air Cooled	Exhaust gas temperature	515°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	
Piston Speed m/s	8.4	Fuel cons. @ 100% Prime load	95.3 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	74.3 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	53.1 l/hr

Alternator data

Alternator brand	Stamford	Number of wires	12 re-connectable
Alternator model	HC15D	AVR model	MX341
Excitation	Self excited	Voltage regulation	± 1.0%
Insulation class	H	Total Harmonic distortion	No load < 1.5%, on load < 5%
Drip proof protection	IP23	Telephone interference	THF < 2%
Winding pitch	2/3	Flanges and shield	Aluminium

Open set data



L x W x H (mm)	Weight	Fuel tank	Noise@1M
3427 x 1500 x 2066	3987 kg	834 Litres	100dBA

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