

Genset
Model:

YCAT110RSC

Enclosed set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	100 kVA / 80 kW	110 kVA / 88 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: 55°C, 100m A.S.L. 30% relative humidity in compliance with Gulf specifications and standards.

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 base protection.
- 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

Acoustic canopy features

- Water and dust proof design
- Door locks
- High quality sound absorbing and fire retardant inner material
- Lifting lugs

** The images above are for illustration purposes only.

Engine data

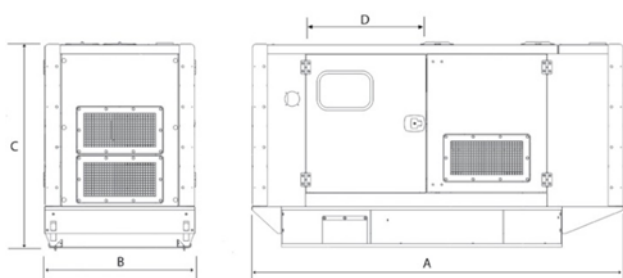
Engine brand	Caterpillar	Total coolant capacity	17.5 Litres
Engine model	C4.4	Total lube oil capacity	8.0 Litres
Engine speed	1500 RPM	Cooling air flow	125
Number of cylinders	4 In Line	Exhaust gas flow	15.2 m³/min
Aspiration	Turbocharged air to air charge cooled	Exhaust gas temperature	500°C
Displacement	4.4 Litres	Fuel cons. @ 100% Prime load	21.7 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	16.5 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	11.7 l/hr

Alternator data

Alternator brand	CAT	Number of wires	12
Alternator model	LC3114F	AVR model	R250
Excitation	Shunt	Voltage regulation	± 0.5 %
Insulation class	H	Total Harmonic distortion	THF 2%
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

Open set data



L x W x H (mm)	Weight	Fuel Tank	Noise@7M	L x W x H (mm)	Weight	Fuel Tank	Noise@7M
2770 x 1120 x 1525	1391 kg	250 Litres	69.1db	1540 x 970 x 1361	976 kg	161 Litres	TBC

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

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