

Genset  
Model:

# YC450RS

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	409 kVA / 327 kW	450 kVA / 360 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 9001:2015 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

## 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.

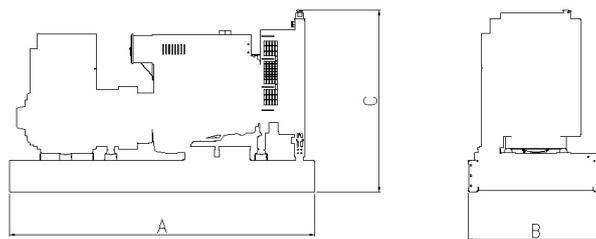
## Engine data

Engine brand	Cummins	Total coolant capacity	45 Litres
Engine model	QSZ13-G7	Total lube oil capacity	34.1 Litres
Engine speed	1500 RPM	Cooling air flow	7.5 m <sup>3</sup> /min
Number of cylinders	6	Exhaust gas flow	84.3 m <sup>3</sup> /min
Aspiration	Turbocharged and Aftercooled	Exhaust gas temperature	541°C
Combustion system	Direct injection		
Piston Speed m/s	7.6	Fuel cons. @ 100% Prime load	78 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	62 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	40 l/hr

## Alternator data

Alternator brand	Stamford	Number of wires	12 re-connectable
Alternator model	HC15C	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
3230 x 1245 x 1941	3234 kg	834 Litres	103dBA

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