

Genset
Model:

YC90RS

Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	82 kVA / 65.6kW	90kVA / 72kW

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.

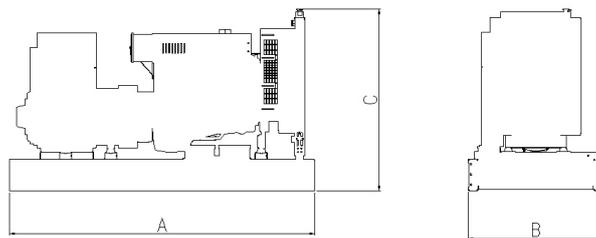
Engine data

Engine brand	Cummins	Total coolant capacity	19.75 Litres
Engine model	6BTA5.9G5	Total lube oil capacity	16.4 Litres
Engine speed	1500 RPM	Cooling air flow	3.44
Number of cylinders	6	Exhaust gas flow	21.4
Aspiration	Turbocharged and After cooled	Exhaust gas temperature	540 °C
Combustion system	Indirect injection		
Piston Speed m/s	6	Fuel cons. @ 100% Prime load	21.2 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	15.4 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	10.3 l/hr

Alternator data

Alternator brand	Stamford	Number of wires	12 re-connectable
Alternator model	UCI224G	AVR model	SX460 / AS440
Excitation	Self excited	Voltage regulation	± 1.5%
Insulation class	H	Total Harmonic distortion	No load < 1.5%, on load < 5.0%
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
2268 x 1094 x 1576	1244 kg	350 Litres	TBC

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