

Genset
Model:

YC90RSC

Enclosed 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

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.

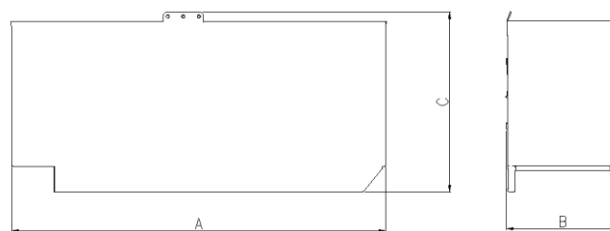
Engine data

| | | | |
|---------------------|-------------------------------|------------------------------|--------------|
| Engine brand | Cummins | Total coolant capacity | 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 (wdg 6) | Flanges and shield | Aluminium |

Enclosed set data



| L x W x H (mm) | Weight | Fuel tank | Noise@1M |
|--------------------|---------|------------|----------|
| 3151 x 1142 x 1714 | 2255 kg | 350 Litres | 78dBA |

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