

Genset
Model:

YC38RS

Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|---------------|----------------|
| 50Hz | 3 | 0.8 | 35 kVA / 28kW | 38kVA / 30.4kW |

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.

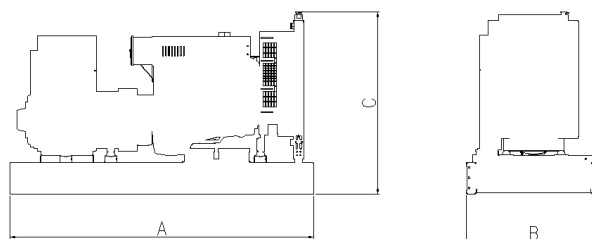
Engine data

| | | | |
|---------------------|--------------------|------------------------------|------------|
| Engine brand | Cummins | Total coolant capacity | 9.6 Litres |
| Engine model | X 3.3 G1 | Total lube oil capacity | 6.5 Litres |
| Engine speed | 1500 RPM | Cooling air flow | 106 |
| Number of cylinders | 4 | Exhaust gas flow | 2.3 |
| Aspiration | Natural | Exhaust gas temperature | 600°C |
| Combustion system | Indirect injection | | |
| Piston Speed m/s | 6.35 | Fuel cons. @ 100% Prime load | 9 l/hr |
| Governor type | Mechanical | Fuel cons. @ 75% Prime load | 6 l/hr |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | 4 l/hr |

Alternator data

| | | | |
|-----------------------|-----------------|---------------------------|-----------------------------------|
| Alternator brand | Newage Stamford | Number of wires | 12 re-connectable |
| Alternator model | S1L2J1 | AVR model | AS540 |
| Excitation | Self excited | Voltage regulation | ± 1.0% |
| Insulation class | H | Total Harmonic distortion | No load < 1.5%, On load < 5.0% |
| Drip proof protection | IP23 | Telephone interference | TIF < 50% |
| Winding pitch | 2/3 (wdg 6) | Flanges and shield | Aluminium |

Open set data



| L x W x H (mm) | Weight | Fuel tank | Noise@1M |
|-------------------|--------|------------|----------|
| 1753 x 930 x 1238 | 697 kg | 175 Litres | 103.5dBA |

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