

Genset
Model:

YCAT65RSC

Enclosed set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|----------------|----------------|
| 50Hz | 3 | 0.8 | 60 kVA / 48 kW | 65 kVA / 52 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
- 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

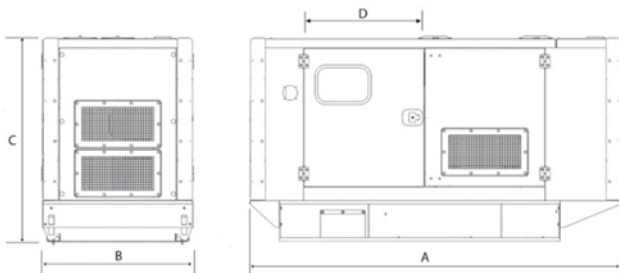
| | | | |
|---------------------|--------------|------------------------------|--------------------------|
| Engine brand | Caterpillar | Total coolant capacity | 10.2 Litres |
| Engine model | C3.3 | Total lube oil capacity | 8.3 Litres |
| Engine speed | 1500 RPM | Cooling air flow | 120 |
| Number of cylinders | 3 In Line | Exhaust gas flow | 10.1 m ³ /min |
| Aspiration | Turbocharged | Exhaust gas temperature | 500°C |
| Displacement | 3.3 Litres | Fuel cons. @ 100% Prime load | 13.6 l/hr |
| Governor type | Mechanical | Fuel cons. @ 75% Prime load | 10.2 l/hr |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | 7.1 l/hr |

Alternator data

| | | | |
|-----------------------|---------------------|---------------------------|-----------|
| Alternator brand | CAT | Number of wires | 12 |
| Alternator model | LC1514P | AVR model | R220 |
| Excitation | Shunt | Voltage regulation | ± 1.0% |
| 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 |
|--------------------|---------|------------|----------|-------------------|--------|------------|----------|
| 2300 x 1120 x 1525 | 1207 kg | 219 Litres | 65.4db | 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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