

Genset
Model:

YXC700RSC

Enclosed set



Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|------------------|------------------|
| 50Hz | 3 | 0.8 | 640 kVA / 512 kW | 706 kVA / 565 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 fully banded base protection.
- Fuel level sensor
- Auto start control system with electronic digital control module DSE7420
- Output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 24V 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

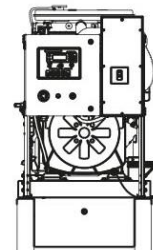
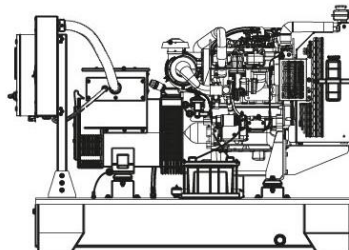
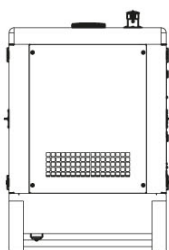
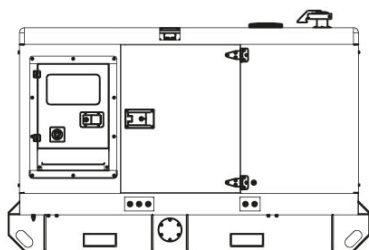
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|---------------------|------------------------------|--------------------------------|-----------|
| Engine brand | Cummins | Total coolant capacity | 80 Litres |
| Engine model | VTA28-G5 | Total lube oil capacity | 83 Litres |
| Engine speed | 1500 RPM | Compression Ratio | 13.1 : 1 |
| Number of cylinders | 12 | Maximum Back Pressure | 76 mm Hg |
| Aspiration | Turbocharged and Aftercooled | Fuel cons. @ 110% standby load | TBC |
| Bore and stroke | 140mm x 152mm | Fuel cons. @ 100% Prime load | 133 l/hr |
| Displacement | 28.0 Litres | Fuel cons. @ 75% Prime load | 98.8 l/hr |
| Fuel system | Direct Injection | Fuel cons. @ 50% Prime load | TBC |

Alternator data

| | | | |
|-----------------------|-----------------|------------------------|---------------------|
| Alternator brand | Newage Stamford | Stator Winding | Double layer LAP |
| Alternator model | HCI544F | AVR model | AS440 |
| Excitation | Self excited | Voltage regulation | ± 1.0% |
| Insulation class | H | Winding Leads | 12 |
| Drip proof protection | IP23 | Telephone interference | TIF < 50%, THF < 2% |
| Winding pitch | 2/3 | Waveform Distortion | No load <1.5% |

Enclosed set data

Open set data



| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|-------------|----------|
| 4800 x 1950 x 2450 | 6030 kg | 1020 Litres | TBC |

| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|------------|----------|
| 3600 x 1460 x 2200 | 4610 kg | 940 Litres | TBC |

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

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