

Genset  
Model:

## YXC1825RS

Enclosed set



Open set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	1650 kVA / 1320kW	1825 kVA / 1460 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

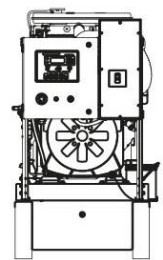
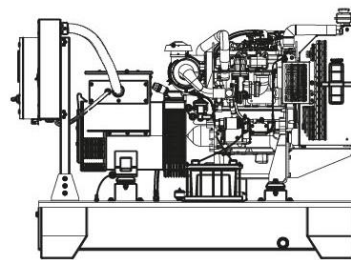
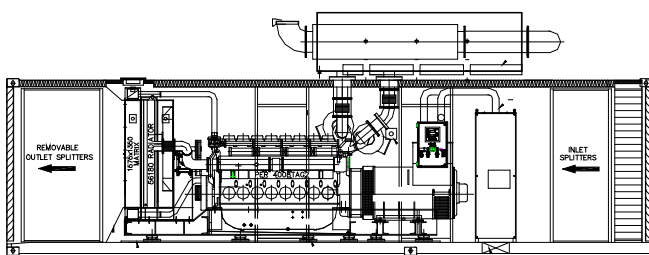
Engine brand	Cummins	Total coolant capacity	140 Litres
Engine model	QSK50-G7	Total lube oil capacity	235 Litres
Engine speed	1500 RPM	Compression Ratio	15.0:1
Number of cylinders	16	Maximum Back Pressure	6.8 kPa
Aspiration	Turbocharged and Low Temperature Aftercooled	Fuel cons. @ 110% standby load	394 l/hr
Bore and stroke	159mm x 159mm	Fuel cons. @ 100% Prime load	349 l/hr
Displacement	50.3 Litres	Fuel cons. @ 75% Prime load	265 l/hr
Fuel system	Direct Injection	Fuel cons. @ 50% Prime load	189 l/hr

## Alternator data

Alternator brand	Newage Stamford	Stator Winding	Double layer LAP
Alternator model	PI734D	AVR model	MX341
Excitation	Self excited	Voltage regulation	± 1.0%
Insulation class	H	Winding Leads	6
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
12192 x 2438 x 2896	25000 kg	2500 Litres	TBC

L x W x H (mm)	Weight	Fuel tank	Noise@7M
5630 x 2275 x 2610	13635 kg	NO FUEL TANK	TBC

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

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