

Genset
Model:

YC22RS & YC22RSC

Enclosed set



Frequency	Phase	Power Factor	Prime Output	Standby
50Hz	3	0.8	20 kVA / 16 kW	22 kVA / 18 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
- Powder coated steel, treated with anti corrosion paint
- Compact and easy access for service
- Wiring and connectors with protection
- All moving parts protected with guards
- Synchronised upgrade options available
- Governor type: electronic / mechanical
- Battery charger and block heater options
- BMS output signaling included

Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial / residential silencer
- Coolant recovery tank
- Single bearing, 4 pole brushless alternator
- Anti vibration mountings
- Integral fuel tank (with bunded base option)
- Fuel level gauge
- Auto start control system with electronic digital control module DSE7320
- ABB output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 12V / 24V starter battery with leads and isolator switch

Acoustic canopy features

- Weather proof enclosure
- Fully lockable doors and control panel
- High quality sound absorbing material
- Lifting lugs

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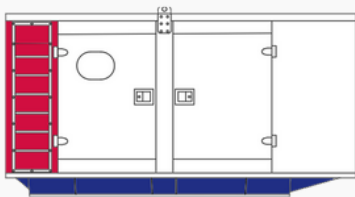
Engine data

Engine brand	Cummins	Total coolant capacity	7 Litres
Engine model	X2.5G2	Total lube oil capacity	6.5 Litres
Engine speed	1500 RPM	Cooling air flow	0.78
Cylinders	3	Exhaust gas flow	N/A
Aspiration	Natural	Exhaust gas temperature	660°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	5.1 l/hr
Piston Speed m/s	7.62 m/s	Fuel cons. @ 100% Prime load	4.71 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	3.53 l/hr
Cooling System	Water cooled	Fuel cons. @ 50% Prime load	2.36 l/hr

Alternator data

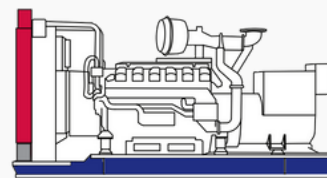
Alternator brand	Stamford	Number of wires	12
Alternator model	S0L2G1	Stator Winding	Double Layer Concentric
Excitation	Self excited	Voltage regulation	± 1.0%
Insulation class	H	Total Harmonic distortion	No load < 3%
Drip proof protection	IP23	AVR	AS540
Winding pitch	2/3	Power factor	0.8

Enclosed set data



W x L x H (mm)	Weight	Fuel tank	Noise@7M
930 x 2082 x 1448	907 kg	150 Litres	77 db

Open set data



W x L x H (mm)	Weight	Fuel tank	Noise@7M
930 x 1667 x 1282	625 kg	150 Litres	94.9 dBA

** The images are for illustration purposes only.

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