

Model:

YTP45RSC

Enclosed set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	45 kVA / 36 kW	50 kVA / 40 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 9001:2015 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 with fully bunded 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.
- 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
- Forklift holes in base

** The images above are for illustration purposes only.

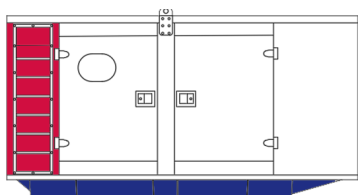
Engine data

Engine brand	Perkins	Total coolant capacity	10.2 Litres
Engine model	1103A-33TG1	Total lube oil capacity	8.3 Litres
Engine speed	1500 RPM	Cooling air flow	53 m³/min
Number of cylinders	3	Exhaust gas flow	7.7 m³/min
Aspiration	Turbocharged	Exhaust gas temperature	537°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	12 l/hr
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	10.7 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	8.2 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	5.7 l/hr

Alternator data

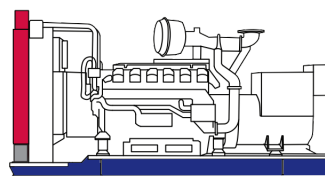
Alternator brand	Leroy Somer	Number of wires	12 re-connectable
Alternator model	LSA42.3M7	AVR model	R 220
Excitation	Self excited	Voltage regulation	± 0.5%
Insulation class	H	Total Harmonic distortion	No load < 3%, on load < 2%
Drip proof protection	IP23	Telephone interference	TIF < 50%
Winding pitch	2/3 (wdg 6)	Flanges and shield	Aluminium

Enclosed set data



L x W x H (mm)	Weight	Fuel tank	Noise@7M
2338 x 1080 x 1561	1376 kg	180 Litres	69db

Open set data



L x W x H (mm)	Weight	Fuel tank	Noise@7M
1911 x 802 x 1384	875 kg	220 Litres	95db

** Due to constant innovation, design and specifications are subject to change without notice, All YorPower Products are supplied from the UK.