

Genset
Model:

YXP450RSC & RS

X-Series

Enclosed set



Open Set



*** The images are for illustration purposes only.*

Frequency	Phase	Power Factor	Prime Output	Standby
50Hz	3	0.8	450 kVA / 360 kW	495 kVA / 396 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 canopy. 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
- ISO8528.5
- GB/T2820.5
- ISO 9001

Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial silencer.
- Single bearing, 4 pole brushless alternator.
- Anti vibration mountings.
- Integral fuel tank with 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.
- 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.

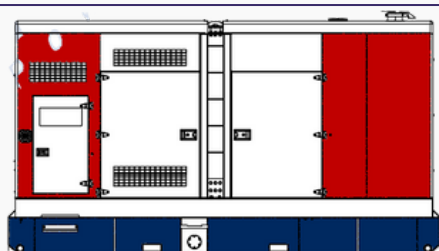
Engine data

Engine brand	Perkins	Total coolant capacity	58 Litres
Engine model	2506A-E15TAG1	Total lube oil capacity	62 Litres
Engine speed	1500 RPM	Bore	137 mm
Cylinders	6	Stroke	171 mm
Aspiration	Turbocharged and air-to air charge cooled	Compression ratio	16 : 1
Combustion system	Direct injection	Fuel cons. @ 110% standby load	104 l/hr
Displacement	15.2 Litres	Fuel cons. @ 100% Prime load	95 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	72 l/hr
Cooling System	Water-cooled	Fuel cons. @ 50% Prime load	50 l/hr

Alternator data

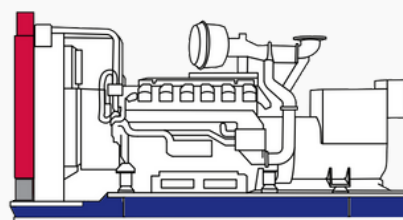
Alternator brand	Leroy Somer	Winding pitch	2/3
Alternator model	TAL0473-B	Number of wires	6
Excitation	SHUNT	AVR	R150
Insulation class	H	Voltage regulation	± 0.8%
Drip proof protection	IP23	Power Factor	0.8

Enclosed set data



L X W x H (mm)	Weight	Fuel tank	Noise@7M
4592 x 1523 x 2459	5113 kg	1020 Litres	77 dBA

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L X W x H (mm)	Weight	Fuel tank	Noise@7M
3852 x 1150 x 2124	3711 kg	950 Litres	N/A