

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.

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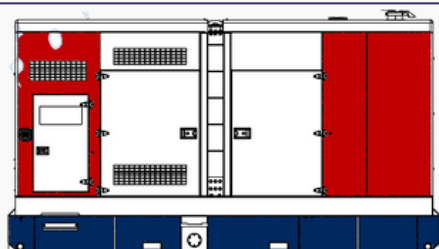
Engine data

| | | | |
|-------------------|---|--------------------------------|-----------|
| 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

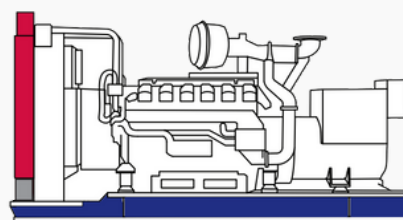
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|-----------------------|-------------|--------------------|--------|
| Alternator brand | Leroy Somer | Winding pitch | 2/3 |
| Alternator model | TAL0473-B | Number of wires | 6 |
| Excitation | SHUNT | AVR | R150 |
| Insulation class | H | Voltage 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 |

Open set data



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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 |

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