

Genset Model: **YXP625RSC**

Enclosed set



Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|------------------|------------------|
| 50Hz | 3 | 0.8 | 625 kVA / 500 kW | 688 kVA / 550 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
- 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

** The images above are for illustration purposes only.

Engine data

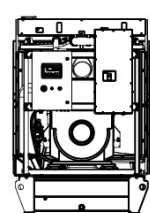
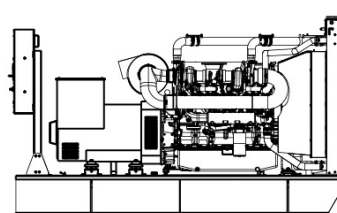
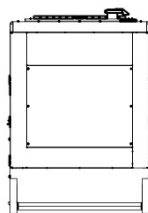
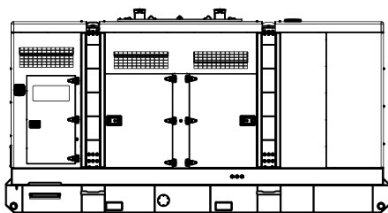
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|---------------------|----------------------------|--------------------------------|-------------------------|
| Engine brand | Perkins | Total coolant capacity | 61 Litres |
| Engine model | 2806A-E18TAG2 | Total lube oil capacity | 62 Litres |
| Engine speed | 1500 RPM | Cooling air flow | 702 m ³ /min |
| Number of cylinders | 6 | Exhaust gas flow | 114 m ³ /min |
| Aspiration | Turbocharged & Aftercooled | Exhaust gas temperature | 553°C |
| Combustion system | Direct injection | Fuel cons. @ 110% standby load | 143 l/hr |
| Displacement | 18.1 Litres | Fuel cons. @ 100% Prime load | 132 l/hr |
| Governor type | Electronic | Fuel cons. @ 75% Prime load | 97 l/hr |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | 66 l/hr |

Alternator data

| | | | |
|-----------------------|-------------|---------------------------|-----------|
| Alternator brand | Leroy Somer | Number of wires | 6 |
| Alternator model | LSA49.3S4A | AVR model | R 450 |
| Excitation | AREP or PMG | Voltage regulation | ± 0.5% |
| Insulation class | H | Total Harmonic distortion | < 4% |
| Drip proof protection | IP23 | Telephone interference | TIF < 50% |
| Winding pitch | 2/3 (N° 6S) | Flanges and shield | Cast Iron |

Enclosed set data

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| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|------------|----------|
| 4692 x 1700 x 2487 | 6381 kg | 945 Litres | 76db |

| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|-------------|----------|
| 3650 x 1420 x 2300 | 4782 kg | 1200 Litres | 109db |

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