

Model:

YXP1500RS

Enclosed set

Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|--------------------|--------------------|
| 50Hz | 3 | 0.8 | 1500 kVA / 1200 kW | 1650 kVA / 1320 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
- 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

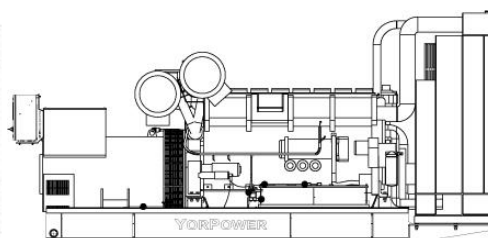
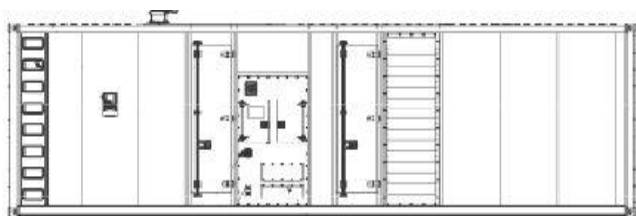
| | | | |
|---------------------|----------------------------|--------------------------------|------------|
| Engine brand | Perkins | Total coolant capacity | 207 Litres |
| Engine model | 4012-46TAG2A | Total lube oil capacity | 177 Litres |
| Engine speed | 1500 RPM | Cooling air flow | TBC |
| Number of cylinders | 12 | Exhaust gas flow | TBC |
| Aspiration | Turbocharged & Aftercooled | Exhaust gas temperature | TBC |
| Combustion system | Direct injection | Fuel cons. @ 110% standby load | 341 l/hr |
| Displacement | 45.842 Litres | Fuel cons. @ 100% Prime load | 310 l/hr |
| Governor type | Electronic | Fuel cons. @ 75% Prime load | 234 l/hr |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | 157 l/hr |

Alternator data

| | | | |
|-----------------------|-------------|---------------------------|---------------------|
| Alternator brand | Leroy Somer | Number of wires | 6 |
| Alternator model | LSA50.2L8 | AVR model | R 450 |
| Excitation | AREP or PMG | Voltage regulation | ± 0.5% |
| Insulation class | H | Total Harmonic distortion | < 3.5% |
| Drip proof protection | IP23 | Telephone interference | TIF < 50%, FHT < 2% |
| Winding pitch | 2/3 (N° 6S) | Flanges and shield | Cast Iron |

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| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|---------------------|----------|-------------|----------|
| 12192 x 2438 x 3159 | 19469 kg | 2000 Litres | 76db |

| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|-----------|----------|
| 4680 x 1800 x 2385 | 9403 kg | N/A | 118db |

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