

Model: **YXP15RS**

Enclosed set



Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|----------------|----------------|
| 50Hz | 3 | 0.8 | 15 kVA / 12 kW | 17 kVA / 13 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.
- 12V starter battery with leads and switch

** The images above are for illustration purposes only.

Engine data

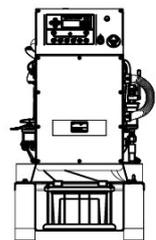
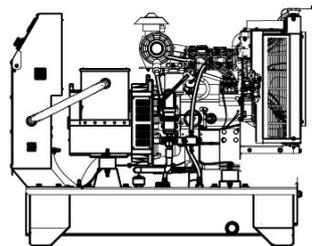
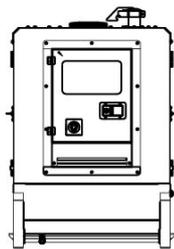
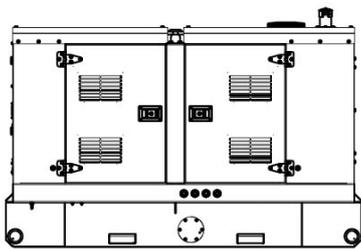
| | | | |
|---------------------|--------------------|--------------------------------|-------------------------|
| Engine brand | Perkins | Total coolant capacity | 6.0 Litres |
| Engine model | 403A-15G2 | Total lube oil capacity | 6.0 Litres |
| Engine speed | 1500 RPM | Cooling air flow | TBC |
| Number of cylinders | 3 | Exhaust gas flow | 2.9 m ³ /min |
| Aspiration | Natural | Exhaust gas temperature | 490°C |
| Combustion system | Indirect injection | Fuel cons. @ 110% standby load | 4.90 l/hr |
| Displacement | 1.496 Litres | Fuel cons. @ 100% Prime load | 4.10 l/hr |
| Governor type | Mechanical | Fuel cons. @ 75% Prime load | TBA |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | TBA |

Alternator data

| | | | |
|-----------------------|--------------|---------------------------|----------------------------|
| Alternator brand | Leroy Somer | Number of wires | 12 re-connectable |
| Alternator model | LSA40S3 | 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 | THF < 2%, TIF < 45% |
| Winding pitch | 2/3 (wdg 6) | Flanges and shield | Steel |

Enclosed set data

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| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|-------------------|--------|------------|----------|
| 1932 x 927 x 1308 | 725 kg | 100 Litres | 66 db |

| L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|-------------------|--------|-----------|----------|
| 1433 x 600 x 1118 | 481 kg | 80 Litres | 90db |

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