

Genset  
Model: **YXP800RSC**

Enclosed set



Open set



| Frequency | Phases | Power factor | Prime output     | Standby output   |
|-----------|--------|--------------|------------------|------------------|
| 50Hz      | 3      | 0.8          | 800 kVA / 640 kW | 880 kVA / 704 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 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 with fully bounded base protection.
- Fuel level sensor.
- Auto start control system with electronic digital control module DSE7420 as standard.
- 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.

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

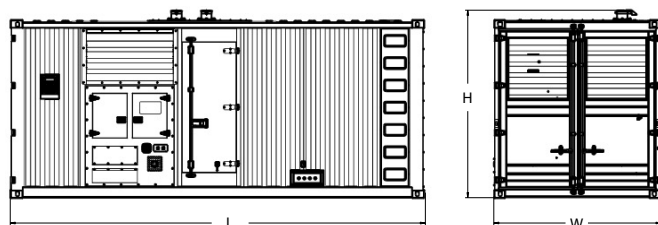
## Engine data

|                     |                            |                                |              |
|---------------------|----------------------------|--------------------------------|--------------|
| Engine brand        | Perkins                    | Total coolant capacity         | 105 Litres   |
| Engine model        | 4006-23TAG3A               | Total lub oil capacity         | 113.4 Litres |
| Engine Speed        | 1500 RPM                   | Cooling air flow               | 1200 m³/min  |
| Number of cylinders | 6                          | Exhaust gas flow (max)         | 193 m³/min   |
| Aspiration          | Turbocharged & Aftercooled | Exhaust gas temperature (max)  | 500 °C       |
| Combustion system   | Direct injection           | Fuel cons. @ 100% Standby load | 194 l/hr     |
| Displacement        | 22.92 Litres               | Fuel cons. @ 100% Prime load   | 172 l/hr     |
| Governor type       | Electronic                 | Fuel cons. @ 75% Prime load    | 130 l/hr     |
| Cooling system      | Water cooled               | Fuel cons. @ 50% Prime load    | 90 l/hr      |

## Alternator data

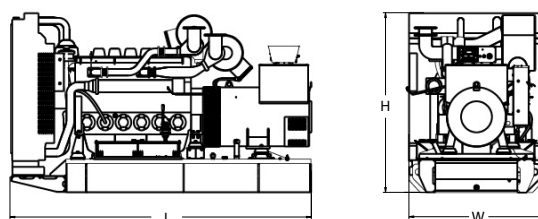
|                       |             |                           |           |
|-----------------------|-------------|---------------------------|-----------|
| Alternator brand      | Leroy Somer | Number of wires           | 6         |
| Alternator model      | LSA49.75M6  | AVR model                 | 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



| L x W x H (mm)     | Weight   | Fuel tank   | Noise@7m |
|--------------------|----------|-------------|----------|
| 6058 x 2438 x 2730 | 11230 kg | 1150 Litres | 76 db    |

## Open set data



| L x W x H (mm)     | Weight  | Fuel tank   | Noise@7m |
|--------------------|---------|-------------|----------|
| 3810 x 1710 x 2260 | 6481 kg | 1000 Litres | 115 db   |

\*\* Due to constant innovation, design and specifications are subject to change without notice. All weights, dimensions and noise levels are subject to a 10% tolerance.

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