

Genset  
Model:

## YTP2250RS & YTP2250RSC (UK)

T-Series

Enclosed set



| Frequency | Phase | Power Factor | Prime Output     | Standby          |
|-----------|-------|--------------|------------------|------------------|
| 50Hz      | 3     | 0.8          | 2256kVA / 1804kW | 2502kVA / 2001kW |

### 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, treated with anti corrosion paint
- Compact and easy access for service
- Wiring and connectors with protection
- All moving parts protected with guards
- Synchronised upgrade options available
- Governor type: electronic / mechanical
- Battery charger and block heater options
- BMS output signaling included

### Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial / residential silencer
- Coolant recovery tank
- Single bearing, 4 pole brushless alternator
- Anti vibration mountings
- Integral fuel tank (with bunded base option)
- Fuel level gauge
- Auto start control system with electronic digital control module DSE7320
- ABB output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 12V / 24V starter battery with leads and isolator switch

### Acoustic canopy features

- Weather proof enclosure
- Fully lockable doors and control panel
- High quality sound absorbing material
- Lifting lugs

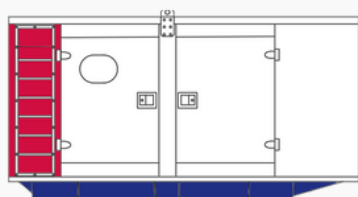
## Engine data

|                   |                             |                                |                          |
|-------------------|-----------------------------|--------------------------------|--------------------------|
| Engine brand      | Perkins                     | Total coolant capacity         | 316 Litres               |
| Engine model      | 4016-61TRG3                 | Total lube oil capacity        | 213 Litres               |
| Engine speed      | 1500 RPM                    | Cooling air flow               | 2540 m <sup>3</sup> /min |
| Cylinders         | 16                          | Exhaust gas flow               | 590 m <sup>3</sup> /min  |
| Aspiration        | Turbo Charged - Intercooler | Exhaust gas temperature        | 560 °C                   |
| Combustion system | Direct injection            | Fuel cons. @ 110% standby load | 529 l/hr                 |
| Displacement      | 61.12 Litres                | Fuel cons. @ 100% Prime load   | 470 l/hr                 |
| Governor type     | Electronic                  | Fuel cons. @ 75% Prime load    | 349 l/hr                 |
| Cooling System    | Water                       | Fuel cons. @ 50% Prime load    | 246 l/hr                 |

## Alternator data

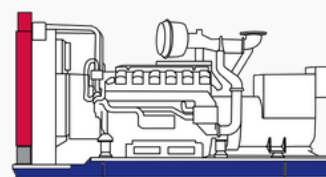
|                       |                |                           |              |
|-----------------------|----------------|---------------------------|--------------|
| Alternator brand      | Leroy Somer    | Number of wires           | 6            |
| Alternator model      | LSA 52.3 L9    | Efficiency                | 96.2%        |
| Excitation            | AVR, Brushless | Voltage regulation        | ± 0.5%       |
| Insulation class      | H              | Total Harmonic distortion | < 4% no load |
| Drip proof protection | IP23           | AVR                       | Brushless    |
| Connection type       | STAR           | Power factor              | 0.8          |

## Enclosed set data



| W x L x H (mm)      | Weight   | Fuel tank | Noise@7M |
|---------------------|----------|-----------|----------|
| 2470 x 12220 x 3150 | 20225 kg | TBA       | 98 db    |

## Open set data



| W x L x H (mm)     | Weight   | Fuel tank | Noise@7M |
|--------------------|----------|-----------|----------|
| 2250 x 6000 x 2750 | 12705 kg | TBA       | N/A      |

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