

Genset  
Model:

## YTP1250RS & YTP1250RSC - Export T-Series

Enclosed set



| Frequency | Phase | Power Factor | Prime Output     | Standby          |
|-----------|-------|--------------|------------------|------------------|
| 50Hz      | 3     | 0.8          | 1250kVA / 1000kW | 1375kVA / 1100kW |

### 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: 55°C, 100m A.S.L. 30% relative humidity in compliance with Gulf specifications and standards.

### 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 or SCHNEIDER 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

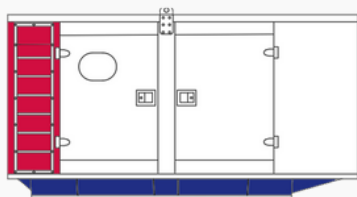
## Engine data

|                   |                             |                                |                          |
|-------------------|-----------------------------|--------------------------------|--------------------------|
| Engine brand      | Perkins                     | Total coolant capacity         | 201 Litres               |
| Engine model      | 4012-46TWG2A                | Total lube oil capacity        | 177 Litres               |
| Engine speed      | 1500 RPM                    | Cooling air flow               | 1680 m <sup>3</sup> /min |
| Cylinders         | 12                          | Exhaust gas flow               | 180 m <sup>3</sup> /min  |
| Aspiration        | Turbo Charged - Aftercooler | Exhaust gas temperature        | 422 °C                   |
| Combustion system | Direct injection            | Fuel cons. @ 110% standby load | 288 l/hr                 |
| Displacement      | 45.84 Litres                | Fuel cons. @ 100% Prime load   | 259 l/hr                 |
| Governor type     | Electronic                  | Fuel cons. @ 75% Prime load    | 196 l/hr                 |
| Cooling System    | Water                       | Fuel cons. @ 50% Prime load    | 143 l/hr                 |

## Alternator data

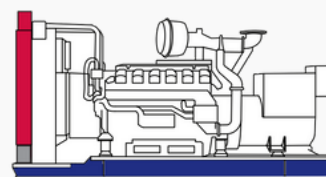
|                       |             |                        |         |
|-----------------------|-------------|------------------------|---------|
| Alternator brand      | Leroy Somer | Winding pitch          | 2/3     |
| Alternator model      | LSA50.2M6   | Number of wires        | 6       |
| Excitation            | AREP        | AVR                    | D350    |
| Insulation class      | H           | Voltage regulation     | ± 0.25% |
| Drip proof protection | IP23        | Telephone Interference | < 50    |

## Enclosed set data



| W x L x H (mm)     | Weight   | Fuel tank   | Noise@7M |
|--------------------|----------|-------------|----------|
| 2470 x 6080 x 2900 | 13183 kg | 1540 Litres | 91 db    |

## Open set data



| W x L x H (mm)     | Weight  | Fuel tank   | Noise@7M |
|--------------------|---------|-------------|----------|
| 2050 x 4535 x 2470 | 9493 kg | 1540 Litres | N/A      |

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