

Genset
Model:

YTP30RS & YTP30RSC (UK)

T-Series

Enclosed set



| Frequency | Phase | Power Factor | Prime Output | Standby |
|-----------|-------|--------------|--------------|----------------|
| 50Hz | 3 | 0.8 | 30kVA / 24kW | 33kVA / 26.4kW |

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

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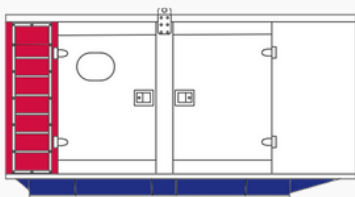
Engine data

| | | | |
|-------------------|------------------|--------------------------------|-------------------------|
| Engine brand | Perkins | Total coolant capacity | 10.2 Litres |
| Engine model | 1103A-33G | Total lube oil capacity | 8.3 Litres |
| Engine speed | 1500 RPM | Cooling air flow | 53 m ³ /min |
| Cylinders | 3 | Exhaust gas flow | 5.8 m ³ /min |
| Aspiration | Natural Intake | Exhaust gas temperature | 520 °C |
| Combustion system | Direct injection | Fuel cons. @ 110% standby load | 7.9 l/hr |
| Displacement | 3.3 Litres | Fuel cons. @ 100% Prime load | 7.1 l/hr |
| Governor type | Mechanical | Fuel cons. @ 75% Prime load | 5.4 l/hr |
| Cooling System | Water | Fuel cons. @ 50% Prime load | 3.9 l/hr |

Alternator data

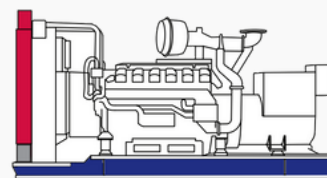
| | | | |
|-----------------------|----------------|---------------------------|--------------|
| Alternator brand | Leroy Somer | Number of wires | 6 |
| Alternator model | TAL042C | Efficiency | 87% |
| Excitation | AVR, Brushless | Voltage regulation | ± 1% |
| Insulation class | H | Total Harmonic distortion | < 2% 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 |
|-------------------|---------|------------|----------|
| 980 x 2210 x 1570 | 1050 kg | 160 Litres | 64db |

Open set data



| W x L x H (mm) | Weight | Fuel tank | Noise@7M |
|-------------------|--------|------------|----------|
| 950 x 1650 x 1320 | 704 kg | 160 Litres | N/A |

** The images are for illustration purposes only.

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