

Genset  
Model:

## YTP680RS & YTP680RSC

T-Series

Enclosed set



Frequency	Phase	Power Factor	Prime Output	Standby
50Hz	3	0.8	620kVA / 496kW	680kVA / 544kW

### 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 humidit

### 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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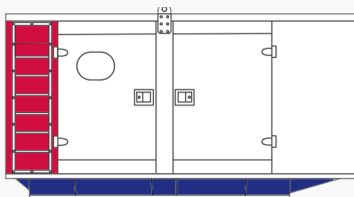
## Engine data

Engine brand	Perkins	Total coolant capacity	61 Litres
Engine model	2806A-E18TAG1A	Total lube oil capacity	62 Litres
Engine speed	1500 RPM	Cooling air flow	702 m <sup>3</sup> /min
Cylinders	6	Exhaust gas flow	104 m <sup>3</sup> /min
Aspiration	Turbo Charge - Intercooler	Exhaust gas temperature	571°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	134 l/hr
Displacement	18.13 Litres	Fuel cons. @ 100% Prime load	123 l/hr
Governor type	Electronic	Fuel cons. @ 75% Prime load	90 l/hr
Cooling System	Water	Fuel cons. @ 50% Prime load	61 l/hr

## Alternator data

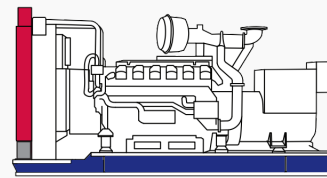
Alternator brand	Leroy Somer	Number of wires	6
Alternator model	TAL047F	Efficiency	94.7%
Excitation	AVR, Brushless	Voltage regulation	± 1%
Insulation class	H	Total Harmonic distortion	< 1.5% no load
Drip proof protection	IP23	AVR	Brushless
Connection type	STAR	Power factor	0.8

## Enclosed set data



W x L x H (mm)	Weight	Fuel tank	Noise@7M
1650 x 5360 x 2450	5331 kg	970 Litres	81 db

## Open set data



W x L x H (mm)	Weight	Fuel tank	Noise@7M
1650 x 3500 x 2160	4190 kg	970 Litres	N/A

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

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