



Genset
Model: **T45PSC**

Enclosed set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	45 kVA / 36 kW	49.5 kVA / 39.6kW

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

- Quality assembly, providing stiffness and low vibration
- Power coated steel. Corrosion and scratch resistant.
- Compact and long service life.
- Protection guards in radiator and high voltage parts.
- DeepSea Control Panel

Design Standards

- CE marking
- ISO8528-1995
- GB/T2820-1997
- ISO 9001:2008 Registered Company

Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial silencer.
- Single bearing, 4 pole brushless alternator.
- Anti vibration mountings
- Integral fuel tank
- Fuel level sensor
- Auto start control system with electronic digital control module
- 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
- Sound absorbing and fire retardant inner material
- Lifting lugs

** The images above are for illustration purposes only.

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Engine data

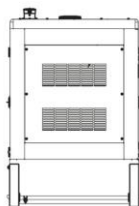
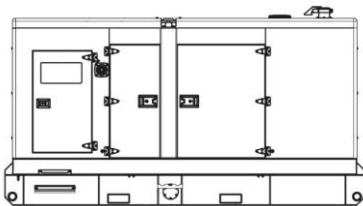
Engine brand	Perkins	Total coolant capacity	10.2 Litres
Engine model	1103A-33TG1	Total lube oil capacity	8.3 Litres
Engine speed	1500 RPM	Cooling air flow	TBC m ³ /min
Number of cylinders	3	Exhaust gas flow	462 m ³ /min
Aspiration	Turbo & Aftercooled	Exhaust gas temperature	537°C
Combustion system	Direct injection	Fuel cons. @ 110% standby load	33.8 l/hr
Displacement	3.3 Litres	Fuel cons. @ 100% Prime load	10.7 l/hr
Governor type	Mechanical	Fuel cons. @ 75% Prime load	8.2 l/hr
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	5.7 l/hr

Alternator data

Alternator brand	Stamford	Number of wires	12
Alternator model	PI144K	AVR model	AS480
Excitation	Self excited	Voltage regulation	± 1.0%
Insulation class	H	Total Harmonic distortion	< 1.5%
Drip proof protection	IP23	Telephone interference	TIF < 50%, THF < 2%
Winding pitch	2/3	Flanges and shield	Cast Iron

Enclosed set data

Open set data



** Due to constant innovation, design and specifications are subject to change without notice.

L x W x H (mm)	Weight	Fuel tank	Noise@7M	L x W x H (mm)	Weight	Fuel tank	Noise@7M
2200 x 920 x 1300	1420 kg	70 Litres	60db				