



Genset
Model: **T20PSC**

Enclosed set



Frequency	Phases	Power Factor	Prime Output	Standby Output
50Hz	3	0.8	20 kVA / 16 kW	22 kVA / 17.6 kW

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.



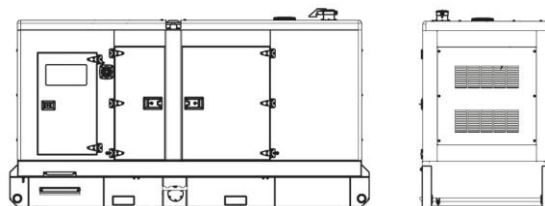
Engine data

Engine brand	Perkins	Total coolant capacity	7 Litres
Engine model	404A-22G1	Total lube oil capacity	10.6 Litres
Engine speed	1500 RPM	Cooling air flow	TBC m ³ /min
Number of cylinders	3	Exhaust gas flow	263.4 m ³ /min
Aspiration	Naturally	Exhaust gas temperature	505 °C
Combustion system	Direct injection		
Displacement	1.5 Litres	Fuel cons. @ 100% Prime load	5.3 L/h
Governor type	Mechanical	Fuel cons. @ 75% Prime load	4 L/h
Cooling system	Water Cooled	Fuel cons. @ 50% Prime load	2.9 L/h

Alternator data

Alternator brand	Stamford	Number of wires	12
Alternator model	PI144D	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



L x W x H (mm)	Weight	Fuel tank	Noise@7M
1750 x 900 x 1105.5	749KG	70 L	60dba

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