

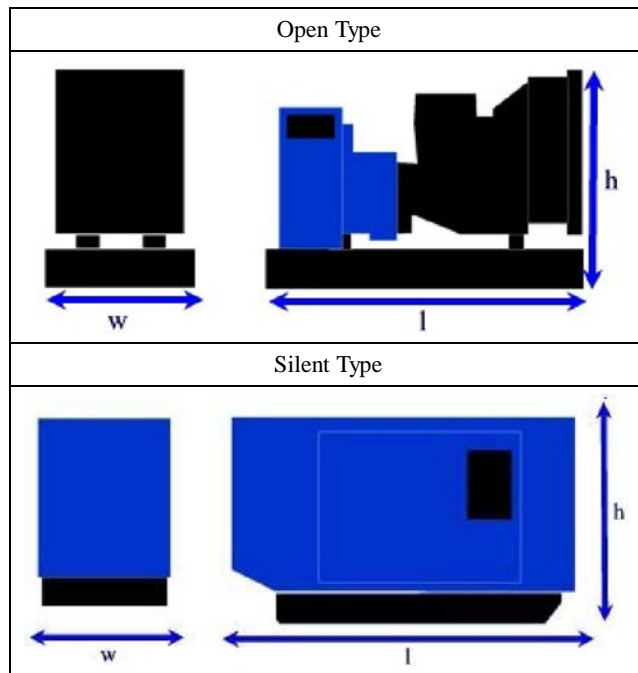
TP50T

Standby power: 50KVA/40KW

Prime power: 45KVA/36KW

Standard features

- Engine : PERKINS , 1103A-33TG1
- Charge alternator : 12V
- Governor : Mechanical
- Generator : STAMFORD , UCI224D
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 12V battery and cable
- Industrial muffler
- User's manual



Weight and Dimensions

GEN-Set	Dimension (L×W×H)	Weight
Open Type	1650mm×770mm×1256mm	835 Kg
Silent Type	2396mm×1056mm×1723mm	1201 Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	73	50/40	45/36

Engine Data

Manufacturer/Model	PERKINS 1103A-33TG1 4-cycle
Cylinder /Arrangement	3 / L
Displacement	3.3 L
Bore and Stroke	105 mm×127 mm
Compression ratio	17.25 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	46.5 KW
Frequency regulation , steady state	± 0.75%
Governor : type	Mechanical

Exhaust System

Exhaust gas flow	7.7 m ³ /min
Exhaust temperature	537 °C
Max back pressure	10kPa

Fuel System

Fuel consumption 100% (of the Prime Power)	10.7 L / h
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Oil system

Total oil capacity w/filters	8.3 L
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Air intake

Engine air flow	3.1 m ³ /min
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Coolant System

Radiator & engine capacity	10.2 L
Max water temperature	110 °C
Thermostat	82-93 °C

Generator Data

Manufacturer / Type	STAMFORD / UCI224D
Number of phase power	3
Factor (Cos Phi)	0.8
Pole : number	4
Bearing : number	1
Coupling	Direct
Exciter type	Brushless SHUNT
Insulation : class , temperature rise	H / H
protection	IP23

Control panel



The **DSE7320** is made by DEEP SEA in England and is a new control module for single gen-set applications, and it is an Automatic Start Control Module and is simple to operate, and the module includes USB, RS232 and RS485 for expansion device connectivity.

Specifications: Frequency meter, Ammeter, Voltmeter Alarms and faults Oil pressure, water temperature, No start-up, Over speed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop. Connect to VOLVO J1939. Engine parameters: Hours counter, Oil pressure, Water, temperature, Engine speed, Battery voltage, Fuel, Battery voltage, Fuel level.