

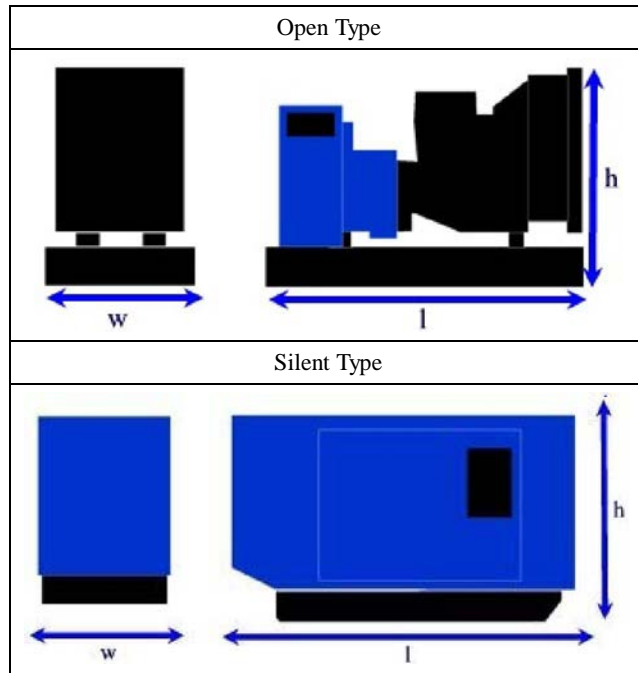
**TP150T**

**Standby power : 150KVA/120KW**

**Prime power : 135KVA/108KW**

**Standard features**

- Engine : PERKINS , 1006TAG
- Charge alternator : 12V
- Governor : Electrical
- Generator : STAMFORD , UCI274E
- 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	2350mm×930mm×1490mm	1406 Kg
Silent Type	3436mm×1156mm×1968mm	1985 Kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	217	150/120	135/108

**Engine Data**

Manufacturer/Model	PERKINS 1006TAG 4-cycle
Cylinder /Arrangement	6 / L
Displacement	5.99 L
Bore and Stroke	100 mm×127 mm
Compression ratio	17.0 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	141 KW
Frequency regulation , steady state	± 0.8%
Governor : type	Electrical

**Exhaust System**

Exhaust gas flow	25.71 m³/min
Exhaust temperature	585 °C
Max back pressure	18.0kPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	31.5 L / h
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**Oil system**

Total oil capacity w/filters	19 L
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**Air intake**

Engine air flow	8.78 m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	37.22 L
Max water temperature	103 °C
Thermostat	82-93 °C

**Generator Data**

Manufacturer / Type	STAMFORD / UCI274E
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.