

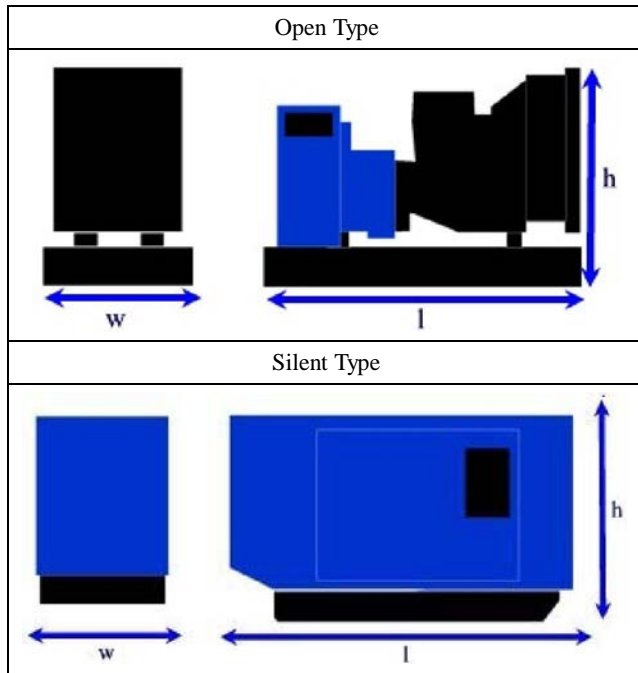
**TP500T**

**Standby power: 500KVA/400KW**

**Prime power: 454KVA/360KW**

**Standard features**

- Engine : PERKINS , 2506A-E15TAG1
- Charge alternator : 24V
- Governor : ECM
- Generator : STAMFORD , HCI544C
- 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
- 24V battery and cable
- Industrial muffler
- User's manual



**Weight and Dimensions**

GEN-Set	Dimension ( L×W×H )	Weight
Open Type	3440mm×1150mm×1990mm	3693 Kg
Silent Type	5206mm×1506mm×2686mm	4943 Kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	722	500/400	454/360

**Engine Data**

Manufacturer/Model	PERKINS 2506A-E15TAG1 4-cycle
Cylinder /Arrangement	6 / L
Displacement	15.2 L
Bore and Stroke	137 mm×171 mm
Compression ratio	16 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	451 KW
Frequency regulation , steady state	± 0.25%
Governor : type	ECM

**Exhaust System**

Exhaust gas flow	81 m <sup>3</sup> /min
Exhaust temperature	550 °C
Max back pressure	6.8kPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	95.0 L / h
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**Oil system**

Total oil capacity w/filters	62.0 L
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**Air intake**

Engine air flow	30.5 m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	58.0 L
Max water temperature	107 °C
Thermostat	88-98 °C

**Generator Data**

Manufacturer / Type	STAMFORD / HCI544C
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.