

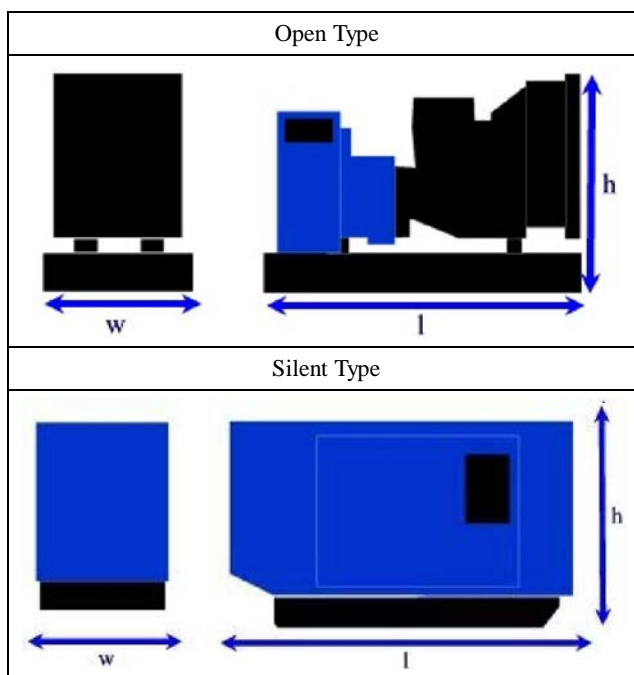
**TP700T**

**Standby power : 700KVA/560KW**

**Prime power : 650KVA/520KW**

**Standard features**

- Engine : PERKINS , 2806A-E18TAG2
- Charge alternator : 24V
- Governor : ECM
- Generator : STAMFORD , HCI544F
- 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×1540mm×1960mm	4239 Kg
Silent Type	5306mm×1706mm×2250mm	5534 Kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	1011	700/560	650/520

**Engine Data**

Manufacturer/Model	PERKINS 2806A-E18TAG2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	18.13 L
Bore and Stroke	145 mm×183 mm
Compression ratio	14.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	628 KW
Frequency regulation , steady state	± 0.25%
Governor : type	ECM

**Exhaust System**

Exhaust gas flow	114 m³/min
Exhaust temperature	553 °C
Max back pressure	6.9kPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	132 L / h
--	-----------

**Oil system**

Total oil capacity w/filters	62 L
------------------------------	------

**Air intake**

Engine air flow	40 m³/min
-----------------	-----------

**Coolant System**

Radiator & engine capacity	61 L
Max water temperature	103 °C
Thermostat	88-98 °C

**Generator Data**

Manufacturer / Type	STAMFORD / HCI544F
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.