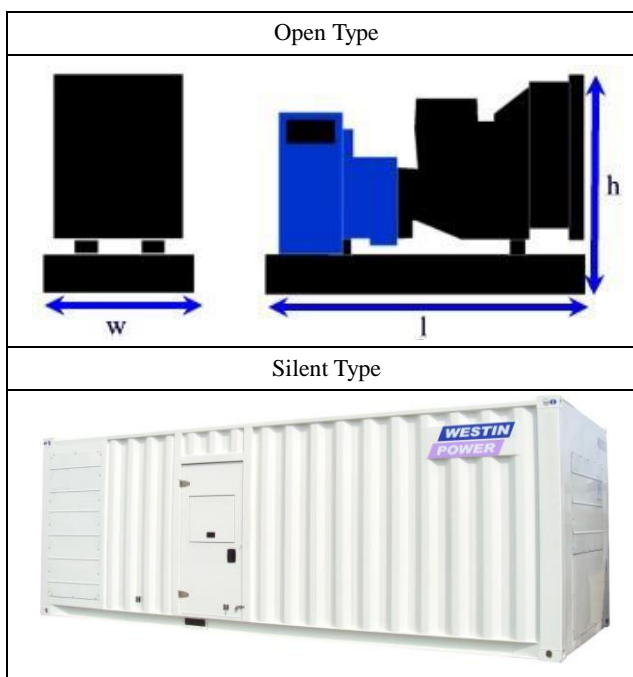


**TM1900T**

**Standby power : 1900KVA/1520KW**  
**Prime power : 1728KVA/1382KW**

**Standard features**

- Engine : MITSUBISHI , S16R-PTA
- Charge alternator : 24V
- Governor : Electronic
- Generator : STAMFORD , PI 734E
- 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	5330 mm×2180 mm×2565mm	13616 kg
Silent Type	12192mm×2438mm×2896mm	17516 kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	2743	1900/1520	1728/1382

**Engine Data**

Manufacturer/Model	MITSUBISHI S16R-PTA 4-cycle
Cylinder /Arrangement	16 / 60° V
Displacement	65.37 L
Bore and Stroke	170 mm×180 mm
Compression ratio	14.0 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	1620 KW
Frequency regulation , steady state	±0.25 %
Governor : type	Electronic

**Exhaust System**

Exhaust gas flow	339 m <sup>3</sup> /min
Exhaust temperature	520 °C
Max back pressure	600mm H <sub>2</sub> O

**Fuel System**

Fuel consumption 100% (of the Prime Power)	411.7 L/h
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**Oil system**

Total oil capacity w/filters	230 L
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**Air intake**

Engine air flow	128 m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	350 L
Max water temperature	98°C
Thermostat	71-85°C

**Generator Data**

Manufacturer / Type	STAMFORD PI 734E
Number of phase power	3
Factor (Cos Phi)	0.8
Pole : number	4
Bearing : number	1
Coupling	Direct
Exciter type	PMG
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.