

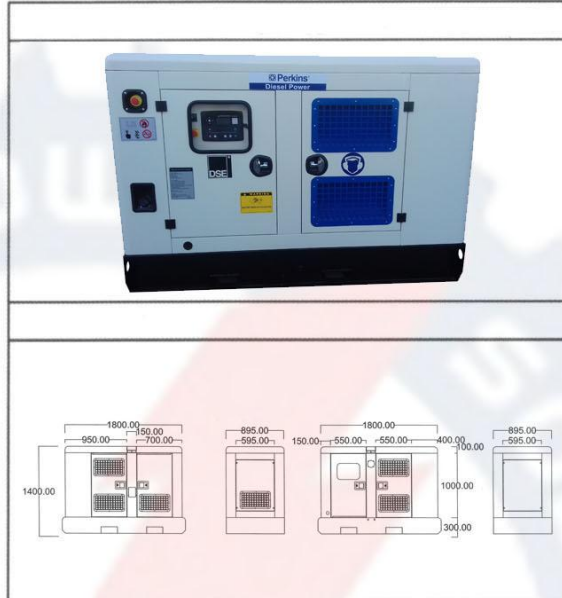
**TP22**

Standby power : 22KVA/18KW

Prime power : 20KVA/16KW

Standard features

- Engine : PERKINS , 404A-22G1
- Charge alternator : 12V
- Governor : Electrical
- Generator : LEROY SOMER - LSA/TAL040 F
- 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-TP20	Dimensions (L X W X H)	Weight
Open type	1410mm X 715mm X 1080mm	556Kg
Silent type	1800mm X 895mm X 1400mm	806Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	32	22/18	20/16

Engine Data

Manufacturer/Model	PERKINS 404A-22G1 4-cycle
Cylinder /Arrangement	4 / L
Displacement	2.216 L
Bore and Stroke	84 mm X 100 mm
Compression ratio	23.3 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	20.6 KW
Frequency regulation , steady state	± 0.75%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	3.64 m ³ /min
Exhaust temperature	445 °C
Max back pressure	10.2 kPA

**Fuel System**

Fuel consumption 100% (of the Prime Power)	5.4 L / h
--	-----------

Oil system

Total oil capacity w/filters	10.6 L
------------------------------	--------

Air intake

Engine air flow	1.45 m ³ /min
-----------------	--------------------------

Coolant System

Radiator & engine capacity	7 L
Max water temperature	112 °C
Thermostat	82-95 °C

Generator Data

Manufacturer / Type	LEROY SOMER - LSA/TAL040 F
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 DSE701 is made by DEEPSEA in England and is a new control module for single gen-set applications, and it is an Automatic Star 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, Overspeed, 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 level.