

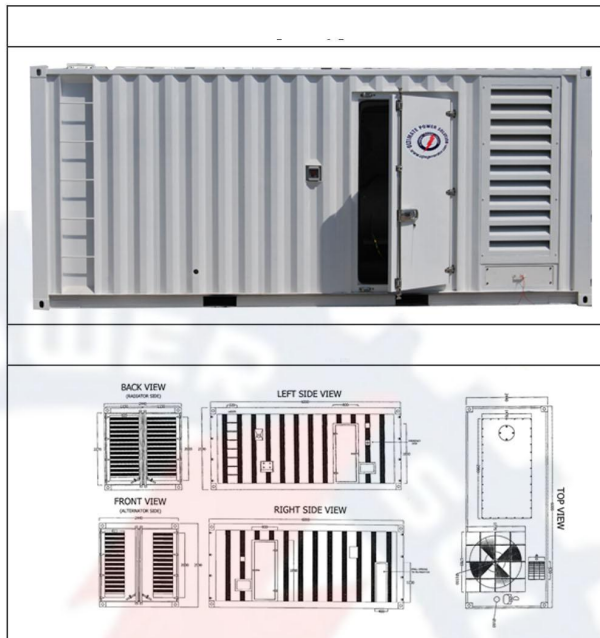
**TP1650F**

Standby power : 1656KVA/1325KW

Prime power : 1505KVA/1204KW

Standard features

- Engine : PERKINS , 4012-46TAG2
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER 50.2 L8
- 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-TP1500	Dimensions (L X W X H)	Weight
Open type	4930mm X 2160mm X 2450mm	12408Kg
Silent type	6000mm x 2440mm x 2590mm	18408Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	2390	1656/1325	1505/1204

Engine Data

Manufacturer/Model	PERKINS 4012-46TAG2 4-cycle
Cylinder /Arrangement	12 / V
Displacement	45.482 L
Bore and Stroke	160 mm × 190 mm
Compression ratio	13 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	1459 KW
Frequency regulation , steady state	± 0.25%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	320 m ³ /min
Exhaust temperature	455 °C
Max back pressure	5kPa



Fuel System

Fuel consumption 100% (of the Prime Power)	301 L / h
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Oil system

Total oil capacity w/filters	177 L
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Air intake

Engine air flow	128 m ³ /min
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Coolant System

Radiator & engine capacity	207 L
Max water temperature	98 °C
Thermostat	71-85 °C

Generator Data

Manufacturer / Type	LEROY SOMER 50.2 L8
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 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.