

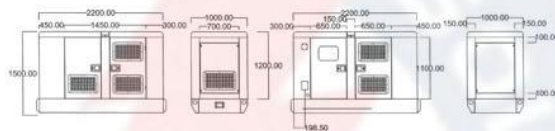
**TP50**

Standby power : 50KVA/40KW

Prime power : 45KVA/36KW

Standard features

- Engine : PERKINS , 1103A-33TG1
- Charge alternator : 12V
- Governor : Electrical
- Generator : LEROY SOMER - TAL042 E
- 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-TP45	Dimensions (L X W X H)	Weight
Open type	1740mm X 820mm X 1300mm	949Kg
Silent type	2200mm X 1000mm X 1500mm	1338Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	72	50/40	45/36

Engine Data

Manufacturer/Model	PERKINS 1103A-33TG1 4-cycle
Cylinder /Arrangement	3 / L
Displacement	3.3 L
Bore and Stroke	105 mm X 127 mm
Compression ratio	17.25 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	46.5 KW
Frequency regulation , steady state	± 0.75%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	7.7 m ³ /min
Exhaust temperature	537 °C
Max back pressure	10 kPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	10.7 L / h
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Oil system

Total oil capacity w/filters	8.3 L
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Air intake

Engine air flow	3.1 m ³ /min
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Coolant System

Radiator & engine capacity	10.2 L
Max water temperature	110°C
Thermostat	82-93°C

Generator Data

Manufacturer / Type	LEROY SOMER - TAL042 E
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.