

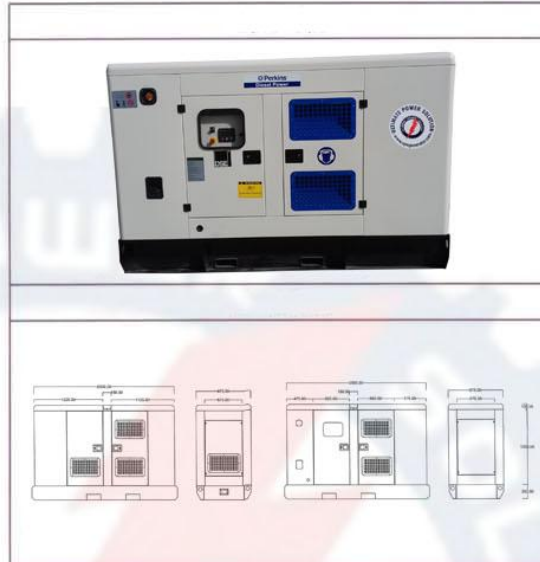
**TP88**

Standby power : 88KVA/70KW

Prime power : 80KVA/64KW

Standard features

- Engine : PERKINS , 1104A-44TG2
- Charge alternator : 12V
- Governor : Mechanical
- Generator : LEROY SOMER LSA/TAL044B
- 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-TP80	Dimensions (L X W X H)	Weight
Open type	1800mm X 820mm X 1460mm	1104Kg
Silent type	2500mm X 975mm X 1700mm	1726Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	126	88/70	80/64

Engine Data

Manufacturer/Model	PERKINS 1104A-44TG2 4-cycle
Cylinder /Arrangement	4 / L
Displacement	4.4 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	80.7 KW
Frequency regulation , steady state	± 0.75%
Governor : type	Mechanical

Exhaust System

Exhaust gas flow	13.3 m ³ /min
Exhaust temperature	580 °C
Max back pressure	10 kPA

**Fuel System**

Fuel consumption 100% (of the Prime Power)	18.7 L / h
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Oil system

Total oil capacity w/filters	8 L
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Air intake

Engine air flow	5.14 m ³ /min
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Coolant System

Radiator & engine capacity	13 L
Max water temperature	110°C
Thermostat	82-93°C

Generator Data

Manufacturer / Type	LEROY SOMER LSA/TAL044B
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.