



TP440

Standby power : 440KVA/352KW

Prime power : 400KVA/320KW

Standard features

- Engine : PERKINS , 2206C-E13TAG3
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , -LSA 47.2 S4
- 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-TP400	Dimensions (L X W X H)	Weight
Open type	3250mm X 1160mm X 1920mm	3497Kg
Silent type	4440mm X 1380mm X 2400mm	4672Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	635	440/352	400/320

Engine Data

Manufacturer/Model	PERKINS 2206C-E13TAG3 4-cycle
Cylinder /Arrangement	6 / L
Displacement	12.5 L
Bore and Stroke	130 mm × 157 mm
Compression ratio	16.9 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	412.5 KW
Frequency regulation , steady state	± 0.25%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	75.8 m ³ /min
Exhaust temperature	630 °C
Max back pressure	10.7kPA

**Fuel System**

Fuel consumption 100% (of the Prime Power)	85 L / h
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Oil system

Total oil capacity w/filters	40 L
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Air intake

Engine air flow	27.4 m ³ /min
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Coolant System

Radiator & engine capacity	51.4 L
Max water temperature	104°C
Thermostat	87-98°C

Generator Data

Manufacturer / Type	LEROY SOMER - LSA 47.2 S4
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 protection	H / H 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.