

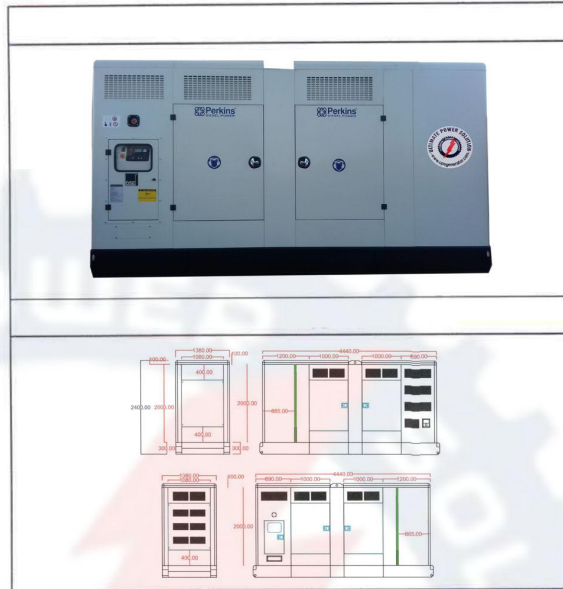
**TP550**

Standby power : 550KVA/440KW

Prime power : 500KVA/400KW

**Standard features**

- Engine : PERKINS , 2506A-E15TAG2
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER - LSA 47.2 M7
- 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-TP500	Dimensions (L X W X H)	Weight
Open type	3450mm X 1180mm X 1920mm	3984Kg
Silent type	4440mm X 1380mm X 2400mm	5234Kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	794	550/440	500/400

**Engine Data**

Manufacturer/Model	PERKINS 2506A-E15TAG2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	15 L
Bore and Stroke	137 mm X 171 mm
Compression ratio	16 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	495 KW
Frequency regulation , steady state	± 0.25%
Governor : type	Electrical

**Exhaust System**

Exhaust gas flow	98 m <sup>3</sup> /min
Exhaust temperature	550 °C
Max back pressure	6.8kPA

**Fuel System**

Fuel consumption 100% (of the Prime Power)	106 L / h
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**Oil system**

Total oil capacity w/filters	62 L
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**Air intake**

Engine air flow	36.6 m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	58 L
Max water temperature	108 °C
Thermostat	88-98 °C

**Generator Data**

Manufacturer / Type	LEROY SOMER - LSA 47.2 M7
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 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.