



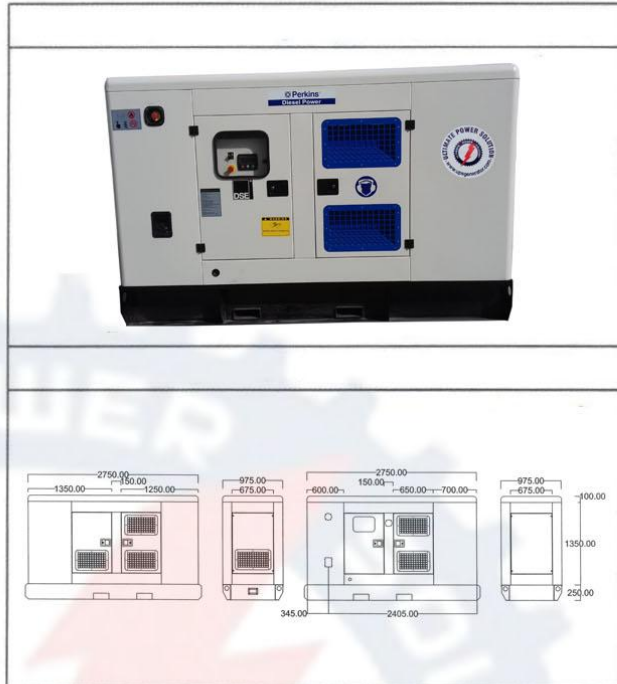
## TP165

Standby power : 165KVA/132KW

Prime power : 150KVA/120KW

### Standard features

- Engine : PERKINS , 1106A-70TAG2
- Charge alternator : 12V
- Governor : Electrical
- Generator : LEROY SOMER LSA/TAL 44.3 L10
- 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-TP150	Dimensions (L X W X H)	Weight
Open type	2350mm X 860mm X 1500mm	1549Kg
Silent type	2750mm X 975mm X 1700mm	2299Kg

### Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	238	165/132	150/120

### Engine Data

Manufacturer/Model	PERKINS 1106A-70TAG2 4-cycle
Cylinder /Arrangement	6 / L
Displacement	5.99 L
Bore and Stroke	100 mm X 127 mm
Compression ratio	17 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	150.5 KW
Frequency regulation , steady state	± 5%
Governor : type	Electrical

### Exhaust System

Exhaust gas flow	31.3 m³/min
Exhaust temperature	595 °C
Max back pressure	18kPA

**Fuel System**

Fuel consumption 100% (of the Prime Power)	41L / h
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**Oil system**

Total oil capacity w/filters	19 L
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**Air intake**

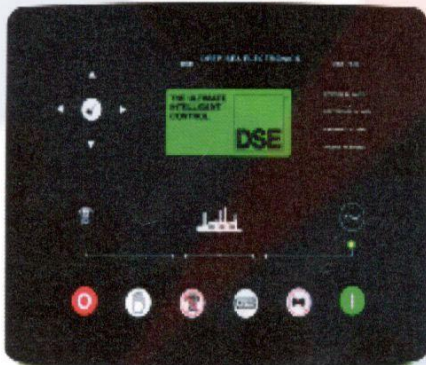
Engine air flow	10.7 m <sup>3</sup> /min
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**Coolant System**

Radiator & engine capacity	37.22 L
Max water temperature	103°C
Thermostat	82-93°C

**Generator Data**

Manufacturer / Type	LEROY SOMER LSA/TAL 44.3 L10
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.