

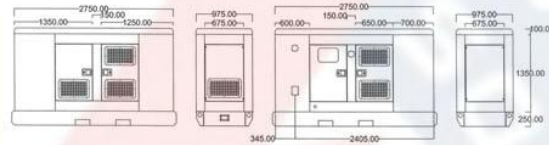
**TC125L**

Standby power : 125KVA/100KW

Prime power : 114KVA/90KW

**Standard features**

- Engine : CUMMINS ,6BT5.9-G1
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROYSOMER , LSA44.2 S7
- 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	Dimensions (L X W X H)	Weight
Open type	2350mm X 860mm X 1500mm	1504Kg
Silent type	2500mm X 975mm X 1700mm	2254Kg

**Generator Ratings**

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	180	125/100	114/90

**Engine Data**

Manufacturer/Model	CUMMINS 6BT5.9-G1	4-cycle
Cylinder /Arrangement	6 / L	
Displacement	5.9 L	
Bore and Stroke	102 mm × 120 mm	
Compression ratio	17.5 : 1	
Rated RPM	1500 RPM	
Max. stand by power at rated RPM	120 KW	
Frequency regulation , steady state	≤ 1%	
Governor : type	Electrical	

**Exhaust System**

Exhaust gas flow	391 L/S
Exhaust temperature	578°C
Max back pressure	76mmHg

**Fuel System**

Fuel consumption 100% (of the Prime Power)	22 L / h
--	----------

**Oil system**

Total oil capacity w/filters	16.4 L
------------------------------	--------

**Air intake**

Engine air flow	324m <sup>3</sup> /h
-----------------	----------------------

**Coolant System**

Radiator & engine capacity	29 L
Max water temperature	105°C
Thermostat	82-94°C

**Generator Data**

Manufacturer / Type	LEROYSOMER / LSA44.2 S7
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****Specifications :**

Frequency meter , Ammeter , Voltmeter , Alarms and faults  
Oil pressure , water temperature , No start-up , Overspeed ,  
Min/max battery voltage , Low fuel level , Emergency stop

**Engine parameters:**

Hours counter , Oil pressure , water temperature