



## Data Sheet

DIESEL GENERATOR SET  
50Hz/1500 rpm

### TC1250L

Standby power : 1250KVA/1000KW

Prime power : 1125KVA/900KW

#### Standard features

- Engine : CUMMINS , KTA50-G3
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROYSOMER , LSA50.2 M6
- 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
- User's manual



#### Weight and Dimensions

GEN-SET	Dimensions (L X W X H)	Weight
Open type	3930mm X 1670mm X 1980mm	5973Kg
Silent type	6000mm x 2440mm x 2590mm	11473Kg

#### Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	1804	1250/1000	1125/900

#### Engine Data

Manufacturer/Model	CUMMINS KTA50-G3 4-cycle
Cylinder /Arrangement	12 / V
Displacement	37.8 L
Bore and Stroke	159 mm × 159 mm
Compression ratio	13 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	1089 KW
Frequency regulation , steady state	±0.25%
Governor : type	Electrical

#### Exhaust System

Exhaust gas flow	4240 L/S
Exhaust temperature	695°C
Max back pressure	10kPa

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### Fuel System

Fuel consumption 100% (of the Prime Power)	252 L / h
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### Oil system

Total oil capacity w/filters	135L
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### Air intake

Engine air flow	1650L/s
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### Coolant System

Radiator & engine capacity	210L
Max water temperature	104°C
Thermostat	82-93°C

### Generator Data

Manufacturer / Type	LEROYSOMER / LSA50.2 M6
Number of phase power	3
Factor (Cos Phi)	0.8
Pole : number	4
Bearing : number	1
Coupling	Direct
Exciter type	PMG
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