



Data Sheet

DIESEL GENERATOR SET
50Hz/1500 rpm

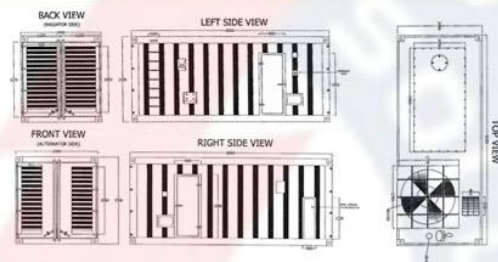
TC1000L

Standby power : 1000KVA/800KW

Prime power : 909KVA/727KW

Standard features

- Engine : CUMMINS , KTA38-G2A
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROYSOMER , LSA49.1 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
- 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	1443	1000/800	909/727

Engine Data

Manufacturer/Model	CUMMINS KTA38-G2A 4-cycle
Cylinder /Arrangement	12 / V
Displacement	37.8L
Bore and Stroke	159 mm × 159 mm
Compression ratio	14.5 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	895KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	2936 L/S
Exhaust temperature	527°C
Max back pressure	10kPa

ULTIMATE POWER SOLUTION FZC

<http://www.upsgenerator.com>



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Fuel System

Fuel consumption 100% (of the Prime Power)	191 L / h
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Oil system

Total oil capacity w/filters	135L
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Air intake

Engine air flow	1041L/ s
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Coolant System

Radiator & engine capacity	194L
Max water temperature	104°C
Thermostat	82-93°C

Generator Data

Manufacturer / Type	LEROYSOMER / LSA49.1 L10
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