

**TC500L**

Standby power : 500KVA/400KW

Prime power : 450KVA/360KW

Standard features

- Engine : CUMMINS , KTA19-G3
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROYSOMER , LSA47.2 S5
- 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	3440mm X 1150mm X 1990mm	3693Kg
Silent type	4440mm X 1380mm X 2400mm	4943Kg

Generator Ratings

Voltage	Hz	Phase	Power factor	Standby AMP	Standby Rating (KVA/KW)	Prime Rating (KVA/KW)
400/230	50	3	0.8	721	500/400	450/360

Engine Data

Manufacturer/Model	CUMMINS KTA19-G3 4-cycle
Cylinder /Arrangement	6 / L
Displacement	18.9 L
Bore and Stroke	159 mm × 159 mm
Compression ratio	13.9 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	448KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	1345 L/S
Exhaust temperature	524°C
Max back pressure	10KPa

**Fuel System**

Fuel consumption 100% (of the Prime Power)	97 L / h
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Oil system

Total oil capacity w/filters	50L
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Air intake

Engine air flow	486L/s
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Coolant System

Radiator & engine capacity	66L
Max water temperature	105°C
Thermostat	82-94°C

Generator Data

Manufacturer / Type	LEROYSOMER / LSA47.2 S5
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