



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC1250E**
 Standby power 1000kW/ 1250kVA
 Prime power N/A

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1000 (1250)				N/A			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N.A	N.A	N.A	N.A	N.A	N.A	N.A	N.A
L/hr	79	137	196	256	N.A	N.A	N.A	N.A

Engine

Engine manufacturer	Cummins
Engine model	KTA38-G9
Configuration	4-Cycle; Vee; 12-Cylinder Diesel
Aspiration	Turbocharged and Aftercooled
Gross engine power output -- kWm	1089
BMEP at set rated load -- kPa	2296
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	13.9:1
Lube oil capacity -- L	135
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	86
Governor type	Electrical
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM NO.2-D
Governor Type	Electrical
Max fuel transfer pump suction--(m)	1.38

Oil system

Oil system capacity--(L)	135
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	1.28

Air

Combustion air -- m ³ /min	78.54
---------------------------------------	-------

Exhaust

Exhaust flow--(m ³ /min)	212.4
Exhaust temperature--(°C)	≤529
Allowable restriction--(kPa)	10.1

Exhaust pipe diameter--(mm)	2 × Φ 159
-----------------------------	-----------

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	245
Fan power--(kW)	25
Fan Air flow--(m ³ /min)	N/A
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	LVI634G
Control System	PMG
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	2658
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±0.5%
Bearing number	1
Cooling Air--(m ³ /sec)	2.18

Weights*

	Open	Enclosed
Unit wet weight kgs	N/A	N/A

* Weights represent a set with standard features. See outline drawing for weights of other configurations

Dimensions

	Length "A"	Width "B"	Height "C"
Standard open set dimensions, mm	N/A	N/A	N/A

Control Panel

Manual Control Panel:	Auto Control Panel:	Remote control Panel:
Manual start	Manual and auto start	All the parameter can display on LCD screen
Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed by means of LCD	The parameter of Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed on LCD screen	It includes all the function of manual and auto control panel.
Emergency stop pushbutton	Emergency stop push button	Detect RPM of the gen-set, active power, power factor and so on. It also can detect main parameter, include main voltage, main frequency. Event and performance log

See your distributor for more information.

COOLTECH POWER INTERNATIONAL PTE. LTD.
 Add: 22 Boon Lay Way #01-64, Tradehub 21, Singapore 609968
 Tel: +65-67957003 Fax: +65-67957013
 Website: www.generators.com.sg