



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA

Model CPP2500E

Standby power 2008 kW / 2510 kVA

Prime power 1809.6 kW / 2262 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	2008 (2510)				1809.6(2262)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N/A	N/A	N/A	137.5	32.8	60.8	89.4	122.2
L/hr	N/A	N/A	N/A	529.0	126.0	234.0	344.0	470.0

Engine

Engine manufacturer	Perkins
Engine model	4016-61TRG3
Configuration	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration	Turbocharged and Aftercooled
Gross engine power output -- kWm	2183
BMEP at set rated load -- kPa	2857
Bore -- mm	160
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	13:1
Lube oil capacity -- L	61.123
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	N/A
Governor type	Electronic
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM NO.2-D
Governor Type	Electronic
Max fuel transfer pump suction--(m)	2.5

Oil system

Oil system capacity--(L)	213
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	105
Oil consumption at 100% load--(l/h)	1.03

Air

Combustion air -- l/s	2666.7/2916.7
-----------------------	---------------

Exhaust flow--(l/s)	8750
Exhaust temperature--(°C)	≤475/560
Allowable restriction--(kPa)	4
Exhaust pipe diameter--(mm)	254

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	270
Fan power--(kW)	100
Fan Air flow--(m ³ /min)	3320
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	101
Type of coolant	Glycol

Alternator

Alternator manufacturer	Leroy-Somer
Alternator model	LSA52.3L9
Control System	AREP+PMI.
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	$\geq \pm 10\%$
Weight--(kg)	4433
A.V.R.	D510C
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	6
Voltage regulation	$\leq \pm 0.5\%$
Bearing number	1
Cooling Air--(m ³ /sec)	2.5

Weights*

	Open	Enclosed
Unit wet weight kgs	16192	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	5720	2792	3150

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. Detect RPM of the gen-set, active power, power factor and so on.
Emergency stop pushbutton	Emergency stop push button	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