



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model **CPC2500E**
 Standby power 2000 kW / 2500kVA
 Prime power 1800 kW / 2250kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	2000 (2500)				1800 (2250)			
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	N.A	N.A	N.A	518	143	240	339	445

Engine	
Engine manufacturer	Cummins
Engine model	QSK60-G13
Configuration	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration	Turbocharged and Low Temperature Aftercooled
Gross engine power output -- kWm	2164
BMEP at set rated load -- kPa	2289
Bore -- mm	159
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	14.5:1
Lube oil capacity -- L	280
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	146
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)	1.73

Oil system	
Oil system capacity--(L)	280
Recommended oil	API-CF OR BETTER
Oil maximum temperature--(°C)	121
Oil consumption at 100%	2.23

Air	
Combustion air -- m ³ /min	154.38

Exhaust	
Exhaust flow--(m ³ /min)	393.18
Exhaust temperature--(°C)	≤507

The above information is only for reference purpose and shall constitute no restraint to us. No further notice shall be given upon any change of the information, We reserve the authority for final revision.

Allowable restriction--(kPa)	6.8
Exhaust pipe diameter--(mm)	2 × Φ 254

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	579
Fan power--(kW)	52
Fan Air flow--(m ³ /min)	TBD
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Leroy-Somer
Alternator model	LSA52.3 L9
Control System	APEP+PMI
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 5%
Weight--(kg)	4433
A.V.R.	D510C
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	6
Voltage regulation	≤ ± 10%
Bearing number	1
Cooling Air--(m ³ /sec)	2.5
Voltage (v)	400/230

Weights*

	Open	Enclosed
Unit wet weight kgs	17975	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	5940	2560	2730

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

The above information is only for reference purpose and shall constitute no restraint to us. No further notice shall be given upon any change of the information, We reserve the authority for final revision.