



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model**                    **CPC2750E**  
 Standby power            2200 kW / 2750kVA  
 Prime power              2000 kW / 2500 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	2200 (2750)				2000 (2500)			
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	535	168	284	388	498

### Engine

Engine manufacturer	Cummins
Engine model	QSK78-G9
Configuration	4-Cycle; 60° Vee; 18-Cylinder Diesel
Aspiration	Turbocharged and Low Temperature Aftercooled
Gross engine power output -- kWm	2539
BMEP at set rated load -- kPa	2375
Bore -- mm	170
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	15.3:1
Lube oil capacity -- L	466
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	189
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)	466
Recommended oil	API CG4
Oil normal temperature--(°C)	121
Oil consumption at 100% load--(l/h)	2.85

### Air

Combustion air -- m <sup>3</sup> /min	193.2
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### Exhaust

Exhaust flow--(m <sup>3</sup> /min)	432.5
Exhaust temperature--(°C)	≤427
Allowable restriction--(kPa)	6.8
Exhaust pipe diameter--(mm)	2 × Φ 250

### Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	703.4
Fan power--(kW)	90
Fan Air flow--(m <sup>3</sup> /min)	N/A
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

### Alternator

Alternator manufacturer	Leroy Somer
Alternator model	LSA 52.3 L12
Control System	AREP +PMI
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 5%
Weight--(kg)	4924
A.V.R.	R449
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	6
Voltage regulation	≤ ± 0.5%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	2.5
Voltage (v)	400

### Weights\*

	Open	Enclosed
Unit wet weight kgs	24800	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	7890	2744	3032

### 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.

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