



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



**Model**                    **CPC1375E**  
 Standby power        1100 kW / 1375 kVA  
 Prime power         0000 kW / 0000 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1100 (1375)				0000(0000)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N/A	N/A	N/A	77.4	N/A	N/A	N/A	N/A
L/hr	N/A	N/A	N/A	293	N/A	N/A	N/A	N/A

Engine	
Engine manufacturer	CUMMINS
Engine model	KTAA38-G9A
Configuration	4-Cycle; 60° Vee; 12-Cylinder Diesel, Water cooled;
Aspiration	Turbo-Charged, After Cooler
Gross engine power output -- kWm	1227
BMEP at set rated load -- kPa	1951
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	177
Over-speed limit -- rpm	1800 ±50
Regenerative power -- kWm	116
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)	0.9

Oil system	
Oil system capacity--(L)	177
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	1.46

Air	
Combustion air -- m <sup>3</sup> /min	72.78

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	198.4
Exhaust temperature--(°C)	≤525
Allowable restriction--(kPa)	5.88

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Exhaust pipe diameter--(mm)	219
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**Standard set-mounted radiator cooling**

Radiator and engine capacity--(L)	297
Fan power--(kW)	30
Fan Air flow--(m <sup>3</sup> /min)	1800
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	PI734B
Control System	<b>PMG and Brushless</b>
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	2760
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	2.69

**Weights\***

	Open	Enclosed
Unit wet weight kgs	9000	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	5250	2060	2870

**Control Panel**

Manual Control Panel:	Auto Control Panel:	Remote control Panel:
Manual start Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed by means of LCD Emergency stop pushbutton	Manual and auto start The parameter of Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed on LCD screen Emergency stop push button	All the parameter can display 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. 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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