



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



### Model CPP275E

Standby power 220 kW / 275 KVA  
 Prime power 200 kW / 250 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	220(275)				200(250KVA)			
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	49.7	N.A	24	36	45

Engine	
Engine manufacturer	Perkins
Engine model	1306C-E87TAG6
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	239
BMEP at set rated load -- kPa	2261
Bore -- mm	116.6
Stroke -- mm	135.9
Rated speed -- rpm	1500
Piston speed -- m/s	6.8
Compression ratio	16.9:1
Lube oil capacity -- L	28.3
Overspeed limit -- rpm	1650 ± 25
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)	0.9

Oil system	
Oil system capacity--(L)	28.3
Recommended oil	API-CE OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100% load--(l/h)	0.225

Air	
Combustion air -- m <sup>3</sup> /min	16.4

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	44.5
Exhaust temperature--(°C)	528
Allowable restriction--(kPa)	10.7

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.

Exhaust pipe diameter--(mm)	76
<b>Standard set-mounted radiator cooling</b>	
Radiator and engine capacity--(L)	37.2
Fan power--(kW)	7
Fan Air flow--(m <sup>3</sup> /min)	375
Coolant normal temperature--(°C)	87-96
Max water temperature--(°C)	102
Type of coolant	Glycol

### Alternator

Alternator manufacturer	Stamford
Alternator model	UCDI274K
Control System	Self Excited and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 10%
Weight--(kg)	727
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	0.58

### Weights\*

	Open	Enclosed
Unit wet weight kgs	2172	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	2535	910	1785

### 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.

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