



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model CPP250E
 Standby power 200 kW / 250kVA
 Prime power 184 kW / 230 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	200 (250)				184(230)			
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				54		23	31.6	50

Engine	
Engine manufacturer	Perkins
Engine model	1506A-E88TAG2
Configuration	4-Cycle; Inline; 6-Cylinder Diesel, Water cooled;
Aspiration	Turbo-Charged, After Cooler
Gross engine power output -- kWm	236
BMEP at set rated load -- kPa	2145
Bore -- mm	112
Stroke -- mm	149
Rated speed -- rpm	1500
Piston speed -- m/s	7.4
Compression ratio	16.1:1
Lube oil capacity -- L	41
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	78
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)	6.21

Oil system	
Oil system capacity--(L)	41
Recommended oil	API-CH OR BETTER
Oil normal temperature--(°C)	120
Oil consumption at 100%	0.048L/h

Air	
Combustion air -- m ³ /min	15

Exhaust	
Exhaust flow--(m ³ /min)	35.7
Exhaust temperature--(°C)	≤475
Allowable restriction--(kPa)	10.0

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Exhaust pipe diameter--(mm)	76
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	37.2
Fan power--(kW)	8
Fan Air flow--(m ³ /min)	370
Coolant normal temperature--(°C)	87-98
Max water temperature--(°C)	107
Type of coolant	Glycol

Alternator

Alternator manufacturer	STAMFORD
Alternator model	UCDI274J
Control System	Brushless,self excited
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	727
A.V.R.	AS440
Protection	IP 23
Stator Winding	Star
Winding Leads	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m ³ /sec)	0.58

Weights*

	Open	Enclosed
Unit wet weight kgs	N/A	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	N/A	N/A	N/A

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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