



Frequency : 50Hz
 Fuel Type : Diesel

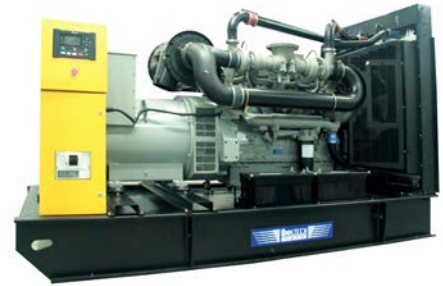
COOL POWER GENSET

TECHNICAL DATA

Model CPP450E

Standby power 360 KW / 450 KVA

Prime power 320 KW/ 400 KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	360(450)				320(400)			
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	90	N.A	46.7	65.8	81

Engine	
Engine manufacturer	Perkins
Engine model	2206C-E13TAG3
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged, air to air cooled
Gross engine power output -- kWm	412.5
BMEP at set rated load -- kPa	2345
Bore -- mm	130
Stroke -- mm	157
Rated speed -- rpm	1500
Piston speed -- m/s	N/A
Compression ratio	16.3:1
Lube oil capacity -- L	40
Overspeed limit -- rpm	N/A
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)	3

Oil system	
Oil system capacity--(L)	40
Recommended oil	API- CH4
Oil normal temperature--(°C)	113
Oil consumption at 100% load--(l/h)	≤0.12

Air	
Combustion air -- m3/min	26.7/27.4

Exhaust	
Exhaust flow--(m ³ /min)	72/75.8
Exhaust temperature--(°C)	630
Allowable restriction--(kPa)	10

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Exhaust pipe diameter--(mm)	127
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	51.4
Fan power--(kW)	14
Fan Air flow--(m ³ /min)	661
Coolant normal temperature--(°C)	87-98
Max water temperature--(°C)	105
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI444F
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)	1160
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	0.8

Weights*

	Open	Enclosed
Unit wet weight kgs	3351	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	3190	1120	2085

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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