



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model CPP500E
 Standby power 400 KW / 500 KVA
 Prime power 360 KW / 450 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	400(500)				360(450)			
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	111	N.A	52	74	100

Engine	
Engine manufacturer	Perkins
Engine model	2506C-E15TAG1
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged, air-to-air charge cooling
Gross engine power output -- kWm	451
BMEP at set rated load -- kPa	2197
Bore -- mm	137
Stroke -- mm	171
Rated speed -- rpm	1500
Piston speed -- m/s	8
Compression ratio	16:1
Lube oil capacity -- L	62
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)	3

Oil system	
Oil system capacity--(L)	62
Recommended oil	API C14 or ACEA E5
Oil normal temperature--(°C)	114
Oil consumption at 100% load--(l/h)	0.10

Air	
Combustion air -- m3/min	33/35.8

Exhaust	
Exhaust flow--(m ³ /min)	85/94
Exhaust temperature--(°C)	550
Allowable restriction--(kPa)	6.8

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)	127
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	58
Fan power--(kW)	8.8
Fan Air flow--(m ³ /min)	722
Coolant normal temperature--(°C)	88-98
Max water temperature--(°C)	107
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544C
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)	1263
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	12
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035

Weights*

	Open	Enclosed
Unit wet weight kgs	3758	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	3458	1120	2085

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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