



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPP1650E**
 Standby power 1320 KW / 1650KVA
 Prime power 1200 KW / 1500 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1320(1650)				1200(1500)			
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	378	N.A	178	252	342

Engine	
Engine manufacturer	Perkins
Engine model	4012-46TAG2A
Configuration	60°Vee, 12Cylinder, 4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	1327
BMEP at set rated load -- kPa	2309
Bore -- mm	160
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	13:1
Lube oil capacity -- L	177
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)	177
Recommended oil	API CH4 15W/40
Oil normal temperature--(°C)	105
Oil consumption at 100% load--(l/h)	1.71

Air	
Combustion air -- m3/min	110

Exhaust	
Exhaust flow--(m ³ /min)	280
Exhaust temperature--(°C)	470
Allowable restriction--(kPa)	5

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)	273
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	207
Fan power--(kW)	42
Fan Air flow--(m ³ /min)	2040
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	PI734C
Control System	SEPARATELY EXCITED BY P.M.G.
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ± 10%
Weight--(kg)	3018
A.V.R.	MX341
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	6
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	2.69

Weights*

	Open	Enclosed
Unit wet weight kgs	10407	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	4930	2200	2410

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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