



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA

Model CPP810E

Standby power 650kW / 813kVA

Prime power 592kW / 740kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	650(813)				592(740)			
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	178	N.A	88	125	162

Engine

Engine manufacturer	Perkins
Engine model	4006-23TAG2A
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbo charged and air to air cooled
Gross engine power output -- kWm	721
BMEP at set rated load -- kPa	2295
Bore -- mm	160
Stroke -- mm	190
Rated speed -- rpm	1500
Piston speed -- m/s	9.5
Compression ratio	13.6:1
Lube oil capacity -- L	113.4
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	43
Governor type	Electrical
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM NO.2-D
Governor Type	Electrical
Max fuel transfer pump suction--(m)	2.5

Oil system

Oil system capacity--(L)	113.4
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	113
Oil consumption at 100%	0.40/0.44

Air

Combustion air -- m ³ /min	64/71
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Exhaust

Exhaust flow--(m ³ /min)	180
Exhaust temperature--(°C)	≤430
Allowable restriction--(kPa)	3.0

Exhaust pipe diameter--(mm)	2* Φ 159
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	120
Fan power--(kW)	30
Fan Air flow--(m ³ /min)	870
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI634G
Control System	PMG
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1965
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±0.5%
Bearing number	1
Cooling Air--(m ³ /sec)	1.614

Weights*

	Open	Enclosed
Unit wet weight kgs	6025	

* 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	4000	1710	2210

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.
Emergency stop pushbutton	Emergency stop push button	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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