



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



### Model CPP880E

Standby power 704 KW / 880KVA  
 Prime power 640 KW / 800 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	704(880)				640(800)			
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	194	N.A	90	130	172

Engine	
Engine manufacturer	Perkins
Engine model	4006-23TAG3A
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	786
BMEP at set rated load -- kPa	2734
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	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)	113.4
Recommended oil	API CG4 15W/40
Oil normal temperature--(°C)	113
Oil consumption at 100% load--(l/h)	0.86

Air	
Combustion air -- m3/min	73

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	193
Exhaust temperature--(°C)	500
Allowable restriction--(kPa)	6

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)	159
-----------------------------	-----

**Standard set-mounted radiator cooling**

Radiator and engine capacity--(L)	105
Fan power--(kW)	22
Fan Air flow--(m <sup>3</sup> /min)	1200
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	HCI634H
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)	2117
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	6
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	1.614

**Weights\***

	Open	Enclosed
Unit wet weight kgs	5755	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	3990	1710	2190

**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.

COOLTECH POWER INTERNATIONAL PTE. LTD.  
 Add: 22 Boon Lay Way, #01-64 Tradehub 21, Singapore 609968  
 Tel: +65-67957003 Fax: +65-67957013  
 Website: [www.generators.com.sg](http://www.generators.com.sg)

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.