



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



### Model CPP660E

Standby power 528 KW / 660 KVA  
 Prime power 480 KW / 600 KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	528(660)				480(600)			
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	134	N.A	63	96	129

Engine	
Engine manufacturer	Perkins
Engine model	2806C-E18TAG1A
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged, air-to-air charge cooling
Gross engine power output -- kWm	583.8
BMEP at set rated load -- kPa	2576
Bore -- mm	145
Stroke -- mm	183
Rated speed -- rpm	1500
Piston speed -- m/s	9
Compression ratio	14.5:1
Lube oil capacity -- L	62
Overspeed limit -- rpm	1800
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)	62
Recommended oil	API C14 or ACEA E5
Oil normal temperature--(°C)	95
Oil consumption at 100% load--(l/h)	0.615

Air	
Combustion air -- m3/min	41

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	115
Exhaust temperature--(°C)	565
Allowable restriction--(kPa)	6.9

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Exhaust pipe diameter--(mm)	219
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**Standard set-mounted radiator cooling**

Radiator and engine capacity--(L)	61
Fan power--(kW)	9
Fan Air flow--(m <sup>3</sup> /min)	702
Coolant normal temperature--(°C)	88-98
Max water temperature--(°C)	103
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	HCI544E
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)	1543
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Lap
Winding Leads	12
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	1.305

**Weights\***

	Open	Enclosed
Unit wet weight kgs	4661	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	3500	1536	2140

**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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