



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model CPP715E

Standby power 572 KW / 715 KVA

Prime power 528 KW / 660 KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	572(715)				528(660)			
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	143	N.A	66	97	132

Engine	
Engine manufacturer	Perkins
Engine model	2806A-E18TAG2
Configuration	In-line, 6 Cylinder, 4 Cycle
Aspiration	Turbocharged, air-to-air charge cooling
Gross engine power output -- kWm	628
BMEP at set rated load -- kPa	2770
Bore -- mm	145
Stroke -- mm	183
Rated speed -- rpm	1500
Piston speed -- m/s	9.15
Compression ratio	14.5:1
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)	0.9

Oil system	
Oil system capacity--(L)	62
Recommended oil	API C14 or ACEA E5
Oil normal temperature--(°C)	113
Oil consumption at 100% load--(l/h)	0.66

Air	
Combustion air -- m3/min	40

Exhaust	
Exhaust flow--(m ³ /min)	114
Exhaust temperature--(°C)	553
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 ³ /min)	702
Coolant normal temperature--(°C)	88-98
Max water temperature--(°C)	102
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544F
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)	1685
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)	1.305

Weights*

	Open	Enclosed
Unit wet weight kgs	5503	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	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.

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

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