



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC700E**
 Standby power 560 kW / 700kVA
 Prime power 512 kW / 640 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	560 (700)				512(630)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	12.7	21	30	41	12	20	27.8	35.7
L/hr	48	80	115	154	45	75	105	135

Engine

Engine manufacturer	Cummins
Engine model	VTA28-G5
Configuration	4-Cycle; Vee; 12-Cylinder Diesel
Aspiration	Turbocharged and Aftercooled
Gross engine power output -- kWm	612
BMEP at set rated load -- kPa	1751
Bore -- mm	140
Stroke -- mm	152
Rated speed -- rpm	1500
Piston speed -- m/s	7.6
Compression ratio	13.1:1
Lube oil capacity -- L	83
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	58
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)	0.9

Oil system

Oil system capacity--(L)	83
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	1.4

Air

Combustion air -- m ³ /min	52.68
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Exhaust

Exhaust flow--(m ³ /min)	122.88
Exhaust temperature--(°C)	≤507
Allowable restriction--(kPa)	10

Exhaust pipe diameter--(mm)	127×2
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	163
Fan power--(kW)	20
Fan Air flow--(m ³ /min)	TBD
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544F
Control System	SELF EXCITED
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1685
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035

Weights*

	Open	Enclosed
Unit wet weight kgs	6100	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	3950	1874	2400

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