



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



### Model CPC700E

Standby power 560kW / 700kVA

Prime power kW / kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	560(700)				( )			
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	149.5	35	63.9	95.2	127.8

### Engine

Engine manufacturer	Cummins (CCEC)
Engine model	KTAA19-G6A
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbo Air-Air Cooling
Gross engine power output -- kWm	610
BMEP at set rated load -- kPa	2568
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	13.0:1
Lube oil capacity -- L	50
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	66
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)	50
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	0.75

### Air

Combustion air -- m <sup>3</sup> /min	45
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### Exhaust

Exhaust flow--(m <sup>3</sup> /min)	123.24
Exhaust temperature--(°C)	≤584
Allowable restriction--(kPa)	10

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

Radiator and engine capacity--(L)	120
Fan power--(kW)	16
Fan Air flow--(m <sup>3</sup> /min)	900
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 and Brushless
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	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	1.035

**Weights\***

	Open	Enclosed
Unit wet weight kgs	4490	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	3600	1715	2078

**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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