



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC825E**
 Standby power 660 kW / 825kVA
 Prime power N/A kW / N/AkVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	660 (825)				N/A(N/A)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	13.2	23.9	36.7	51.3	N/A	N/A	N/A	N/A
L/hr	50	91	140	195	N/A	N/A	N/A	N/A

Engine	
Engine manufacturer	Cummins
Engine model	VTA28-G6
Configuration	4-Cycle; 40° Vee; 12-Cylinder Diesel
Aspiration	Turbocharged and Aftercooled
Gross engine power output -- kWm	733
BMEP at set rated load -- kPa	2096
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	1800 ±50
Regenerative power -- kWm	58
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)	83
Recommended oil	API-CF-4 15W/40
Oil normal temperature--(°C)	121
Oil consumption at 100%	0.48

Air	
Combustion air -- m ³ /min	54.84

Exhaust	
Exhaust flow--(m ³ /min)	132.72
Exhaust temperature--(°C)	≤489
Allowable restriction--(kPa)	10.2

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)	127×2
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	176
Fan power--(kW)	20
Fan Air flow--(m ³ /min)	1128
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI634G
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)	1965
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.614

Weights*

	Open	Enclosed
Unit wet weight kgs	6321	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	3890	1750	2290

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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