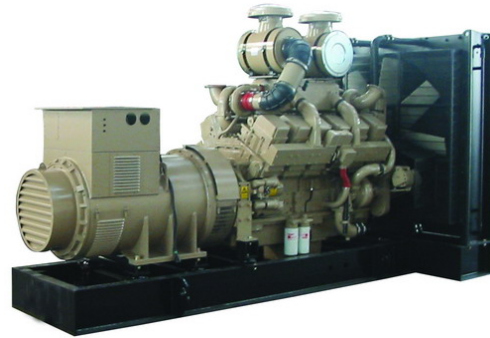




Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA



Model **CPC825E**
 Standby power 764 kW / 825 kVA
 Prime power 720 kW / 750 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	660 (825)				600 (750)			
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	184	53	90	128	167

Engine

Engine manufacturer	Cummins (CCEC)
Engine model	KTA38-G2
Configuration	4-Cycle; 60° Vee; 12-Cylinder Diesel
Aspiration	Turbo Intercooler
Gross engine power output -- kWm	731
BMEP at set rated load -- kPa	1551
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	14.5:1
Lube oil capacity -- L	135
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	111
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)	135
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	0.92

Air

Combustion air -- m ³ /min	55.2
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Exhaust

Exhaust flow--(m ³ /min)	158.58
Exhaust temperature--(°C)	≤552
Allowable restriction--(kPa)	10
Exhaust pipe diameter--(mm)	159

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	228
Fan power--(kW)	19
Fan Air flow--(m ³ /min)	1140
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI 634G
Control System	PMG and Brushless
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	12
Voltage regulation	≤ ± 10%
Bearing number	1
Cooling Air--(m ³ /sec)	1.614

Weights*

	Open	Enclosed
Unit wet weight kgs	7050	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	4385	1730	2504

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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