



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC810E**
 Standby power 600 kW / 750kVA
 Prime power 648 kW / 810 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	648 (810)				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	44.3	11.6	21	30.8	39.9

Engine

Engine manufacturer	Cummins
Engine model	QSK23-G2
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbocharged and Air to Air Aftercooled
Gross engine power output -- kWm	724
BMEP at set rated load -- kPa	2516
Bore -- mm	170
Stroke -- mm	170
Rated speed -- rpm	1500
Piston speed -- m/s	8.6
Compression ratio	16:1
Lube oil capacity -- L	103
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	67
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)	103
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	120
Oil consumption at 100%	0.2

Air

Combustion air -- m ³ /min	49.26
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Exhaust

Exhaust flow--(m ³ /min)	140
Exhaust temperature--(°C)	≤550
Allowable restriction--(kPa)	10

Exhaust pipe diameter--(mm)	127×2
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	114.5
Fan power--(kW)	19
Fan Air flow--(m ³ /min)	1200
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	LVI 634B
Control System	SEPARATELY EXCITED BY P.M.G.
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1985
A.V.R.	MX341
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m ³ /sec)	2.18

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	4100	1552	2050

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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