



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA



Model **CPC475E**
 Standby power 380kW / 475kVA
 Prime power 350kW / 438kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	380(475)				350(438)			
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	95.8	23.6	43.2	65.1	89.1

Engine

Engine manufacturer	DCEC
Engine model	6ZTAA13-G2
Configuration	4-Cycle;in-line; 6-Cylinder Diesel
Aspiration	Turbocharged and Air to air cooled
Gross engine power output -- kWm	415
BMEP at set rated load -- kPa	2400
Bore -- mm	130
Stroke -- mm	163
Rated speed -- rpm	1500
Piston speed -- m/s	8.15
Compression ratio	17:1
Lube oil capacity -- L	45.42
Overspeed limit -- rpm	2250
Regenerative power -- kWm	31
Governor type	Electrical
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM
Governor Type	Electrical
Max fuel transfer pump suction--(m)	2.1

Oil system

Oil system capacity--(L)	45.42
Recommended oil	API-CD OR BETTER
Oil max temperature--(°C)	121
Oil consumption at 100%--(L/hr)	0.128

Air

Combustion air -- m ³ /min	29.2
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Exhaust

Exhaust flow--(kg/min)	30.6
Exhaust temperature--(°C)	668

Allowable restriction--(kPa)	13
Exhaust pipe diameter--(mm)	Φ 130

Standard set-mounted radiator cooling

Engine capacity--(L)	23.1
Fan power--(kW)	16.6
Fan Air flow--(m ³ /min)	N.A
Coolant normal temperature--(°C)	82-94
Max water temperature--(°C)	102
Type of coolant	50% ethylene glycol; 50% water

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544C
Control System	SELF-EXCITED
Insulation class	H
Temperature Rise	H
Rated Power Factor	1
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1263
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ±1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035

Weights*

	Open	Enclosed
Unit wet weight kgs	3850	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	3150	1300	2100

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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