



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model **CPC1030E**
 Standby power 824kW / 1030kVA
 Prime power 736kW / 920 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	824 (1030)				736(920)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N.A	N.A	N.A	59.1	14.2	26.9	39.8	53.2
L/hr	N.A	N.A	N.A	204	51	94	139	184

Engine	
Engine manufacturer	Cummins
Engine model	QST30-G3
Configuration	4-Cycle; 50° Vee; 12-Cylinder Diesel
Aspiration	Turbocharged and Aftercooled
Gross engine power output -- kWm	895
BMEP at set rated load -- kPa	2358
Bore -- mm	140
Stroke -- mm	165
Rated speed -- rpm	1500
Piston speed -- m/s	8.3
Compression ratio	14:1
Lube oil capacity -- L	154
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	105
Governor type	Electronic
Starting voltage	24 Volts DC

Fuel flow	
Recommended fuel	ASTM NO.2-D
Governor Type	Mechancial
Max fuel transfer pump suction--(m)	0.9

Oil system	
Oil system capacity--(L)	154
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	1.02

Air	
Combustion air -- l/s	935

Exhaust	
Exhaust flow--(l/s)	2720
Exhaust temperature--(°C)	≤563
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)	159×2
-----------------------------	-------

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	190
Fan power--(kW)	25
Fan Air flow--(m ³ /min)	1110
Coolant normal temperature--(°C)	82-95
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI634J
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)	2279
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	6
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m ³ /sec)	1.614

Weights*

	Open	Enclosed
Unit wet weight kgs	7190	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	4250	1760	2310

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.

COOLTECH POWER INTERNATIONAL PTE. LTD.
 Add: 22 Boon Lay Way, #01-64, Tradehub 21, Singapore 609968
 Tel: +65-67957003 Fax: +65-67957013
 Website: www.generators.com.sg

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.