



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA

Model **CPC1650E**
 Standby power 1320 kW / 1650kVA
 Prime power 1200 kW / 1500kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1320 (1650)				1200 (1500)			
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	344	94	171	240	309

Engine	
Engine manufacturer	Cummins
Engine model	KTA50-GS8
Configuration	4-Cycle; 60° Vee; 16-Cylinder Diesel
Aspiration	Turbocharged and Low Temperature Aftercooled
Gross engine power output -- kWm	1429
BMEP at set rated load -- kPa	2062
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	14.9:1
Lube oil capacity -- L	204
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	116
Governor type	Electrical
Starting voltage	24 Volts DC

Fuel flow	
Recommended fuel	ASTM NO.2-D
Governor Type	Electrical
Max fuel transfer pump suction--(m)	1.38

Oil system	
Oil system capacity--(L)	204
Recommended oil	API-CF OR BETTER
Oil maximum temperature--(°C)	121
Oil consumption at 100%	1.54

Air	
Combustion air -- m ³ /min	99.3

Exhaust	
Exhaust flow--(m ³ /min)	261
Exhaust temperature--(°C)	≤510

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Allowable restriction--(kPa)	6.8
Exhaust pipe diameter--(mm)	2 × Φ 159

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	335
Fan power--(kW)	30
Fan Air flow--(m ³ /min)	TBD
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	PI734C
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)	3018
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	6
Voltage regulation	≤ ± 10%
Bearing number	1
Cooling Air--(m ³ /sec)	2.69
Voltage (v)	400/230

Weights*

	Open	Enclosed
Unit wet weight kgs	10800	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	4975	2200	2512

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

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