



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC1700E**
 Standby power 1360kW / 1700 kVA
 Prime power 1232 kW / 1540 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1360(1700)				1232(1540)			
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	346	102	179	253	327

Engine

Engine manufacturer	Cummins
Engine model	QSK50-G4
Configuration	V, 16-Cylinder Diesel
Aspiration	Turbocharged and after-cooled
Gross engine power output -- kWm	1477
BMEP at set rated load -- kPa	2103
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	6.9
Compression ratio	15:1
Lube oil capacity -- L	234.7
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	142
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)	N/A

Oil system

Oil system capacity--(L)	234.7
Recommended oil	API-CE OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	1.64

Air

Combustion air -- m ³ /min	114.72
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Exhaust

Exhaust flow--(m ³ /min)	279.6
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Exhaust temperature--(°C)	≤485
Allowable restriction--(kPa)	6.8
Exhaust pipe diameter--(mm)	Φ 159×2

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	327
Fan power--(kW)	32
Fan Air flow--(m ³ /min)	N/A
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	PI734D
Control System	PMG
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	3318
A.V.R.	MX321
Protection	IP23
Stator Winding	Double layer Concentric
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	13230	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	5554	2581	2983

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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