



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC660E**
 Standby power 528 kW / 660kVA
 Prime power 480 kW / 600 kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	528 (660)				480(600)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	N.A	N.A	N.A	39.5	9.9	18.6	26.8	35.1
L/hr	N.A	N.A	N.A	150	38	71	102	133

Engine

Engine manufacturer	Cummins
Engine model	QSK19-G2
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbocharged and Air to Air Aftercooled
Gross engine power output -- kWm	605
BMEP at set rated load -- kPa	2565
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	15:1
Lube oil capacity -- L	84.4
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	65
Governor type	Electronic
Starting voltage	24 Volts DC

Fuel flow

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

Oil system

Oil system capacity--(L)	84.4
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	0.75

Air

Combustion air -- l/s	795
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Exhaust

Exhaust flow--(l/s)	2030
Exhaust temperature--(°C)	≤510
Allowable restriction--(kPa)	10.2

Exhaust pipe diameter--(mm)	127×1
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	123.6
Fan power--(kW)	16
Fan Air flow--(m ³ /min)	930
Coolant normal temperature--(°C)	83-95
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544E
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)	1543
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)	1.035

Weights*

	Open	Enclosed
Unit wet weight kgs	4490	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	3455	1715	2175

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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