



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET TECHNICAL DATA



Model CPC550E
 Standby power 440kW / 550kVA
 Prime power 400kW / 500kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	440(550)				400 (500)			
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	123	31	58	83	109

Engine

Engine manufacturer	Cummins (CCEC)
Engine model	KTA19-G3A
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbo Intercooler
Gross engine power output -- kWm	504
BMEP at set rated load -- kPa	2125
Bore -- mm	159
Stroke -- mm	159
Rated speed -- rpm	1500
Piston speed -- m/s	7.9
Compression ratio	13.9:1
Lube oil capacity -- L	50
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	72
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)	0.9

Oil system

Oil system capacity--(L)	50
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	121
Oil consumption at 100%	0.62

Air

Combustion air -- m ³ /min	36
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Exhaust

Exhaust flow--(m ³ /min)	96.24
Exhaust temperature--(°C)	≤532
Allowable restriction--(kPa)	10

Exhaust pipe diameter--(mm)	159
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	94
Fan power--(kW)	12
Fan Air flow--(m ³ /min)	690
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544D
Control System	Self Excited and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1393
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035

Weights*

	Open	Enclosed
Unit wet weight kgs	4080	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	3360	1400	2185

Control Panel

Manual Control Panel:	Auto Control Panel:	Remote control Panel:
Manual start Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed by means of LCD Emergency stop pushbutton	Manual and auto start The parameter of Voltage, Current, Frequency, Battery voltage, Hour meter, Charger Alternator Voltage and Speed(R.P.M) can be displayed on LCD screen Emergency stop push button	All the parameter can display 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. 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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