



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model **CPC625E**
 Standby power 500kW / 625kVA
 Prime power 440kW / 550kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	500(625)				440 (550)			
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	133	30	57	86	113

Engine

Engine manufacturer	Cummins (CCEC)
Engine model	KTAA19-G5
Configuration	4-Cycle; In-line; 6-Cylinder Diesel
Aspiration	Turbo Air-Air Cooling
Gross engine power output -- kWm	555
BMEP at set rated load -- kPa	2340
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
Regenerative power -- kWm	79
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%	0.6

Air

Combustion air -- m ³ /min	39.06
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Exhaust

Exhaust flow--(m ³ /min)	116.28
Exhaust temperature--(°C)	≤446
Allowable restriction--(kPa)	10

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

Radiator and engine capacity--(L)	112
Fan power--(kW)	16
Fan Air flow--(m ³ /min)	840
Coolant normal temperature--(°C)	82-93
Max water temperature--(°C)	104
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	HCI544E
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)	1543
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	4912	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	3600	1650	2370

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.
Emergency stop pushbutton	Emergency stop push button	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.

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