



Frequency : 50Hz
Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model CPV200E

Standby power 160kW / 220kVA

Prime power 144kW / 180kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	160(200)				144(180)			
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	11	20	30	40	11.4	18.5	27	36

Engine

Engine manufacturer	VOI VO
Engine model	TAD732GE
Configuration	4-Cycle; In-line;6-Cylinder Diesel
Aspiration	Turbocharged
Gross engine power output -- kWm	183
BMEP at set rated load -- kPa	2000
Bore -- mm	108
Stroke -- mm	130
Rated speed -- rpm	1500
Piston speed -- m/s	6.5
Compression ratio	18:1
Lube oil capacity -- L	34
Overspeed limit -- rpm	1800
Regenerative power -- kWm	18
Governor type	Mechanical
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)	34
Recommended oil	API-CF-4 OR BETTER
Oil normal temperature--(°C)	110
Oil consumption at 100%(L/hr)	0.09

Air

Combustion air -- m ³ /min	12.4
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Exhaust

Exhaust flow--(m ³ /min)	35.1
Exhaust temperature--(°C)	542
Allowable restriction--(kPa)	5

Exhaust pipe diameter--(mm)	114
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	38
Fan power--(kW)	4.4
Fan Air flow--(m ³ /min)	240
Coolant normal temperature--(°C)	87-102
Max water temperature--(°C)	105
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	UCI274H
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)	626
A.V.R.	AS440
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	0.514
Voltage (v)	400/230

Weights*

	Open	Enclosed
Unit wet weight kgs	1860	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	2590	1000	1725

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: 21, Bukit Batok Crescent, #05-70 WCEGA Tower, Singapore

Tel: +65-65678521 Fax: +65-65678528

Website: www.generators.com.sg