



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model CPV625E
 Standby power 500kW / 625kVA
 Prime power 456kW / 570kVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	500(625)				456(570)			
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	31	58	86.5	118	29	25.5	78.5	106

Engine

Engine manufacturer	VOI VO
Engine model	TAD1642GE
Configuration	4-Cycle; In-line;6-Cylinder Diesel
Aspiration	Turbocharged
Gross engine power output -- kWm	565
BMEP at set rated load -- kPa	2800
Bore -- mm	144
Stroke -- mm	165
Rated speed -- rpm	1500
Piston speed -- m/s	8.3
Compression ratio	16.5:1
Lube oil capacity -- L	48
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)	48
Recommended oil	API-CF-4 OR BETTER
Oil normal temperature--(°C)	130
Oil consumption at 100%(L/hr)	0.11

Air

Combustion air -- m ³ /min	41.2
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Exhaust

Exhaust flow--(m ³ /min)	102.5
Exhaust temperature--(°C)	482
Allowable restriction--(kPa)	10

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

Radiator and engine capacity--(L)	60
Fan power--(kW)	11
Fan Air flow--(m ³ /min)	600
Coolant normal temperature--(°C)	82-92
Max water temperature--(°C)	103
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	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035
Voltage (v)	400/230

Weights*

	Open	Enclosed
Unit wet weight kgs	4100	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	3300	1160	2050

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.

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