



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA



Model CPV550E
 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	28	52	76	103	26	46.4	69	94

Engine

Engine manufacturer	VOI VO
Engine model	TAD1641GE
Configuration	4-Cycle; In-line;6-Cylinder Diesel
Aspiration	Turbocharged
Gross engine power output -- kWm	484
BMEP at set rated load -- kPa	2400
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	20
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)	0.1

Air

Combustion air -- m ³ /min	38
---------------------------------------	----

Exhaust

Exhaust flow--(m ³ /min)	92
Exhaust temperature--(°C)	455
Allowable restriction--(kPa)	10

Exhaust pipe diameter--(mm)	159
-----------------------------	-----

Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	60
Fan power--(kW)	11
Fan Air flow--(m ³ /min)	606
Coolant normal temperature--(°C)	86-96
Max water temperature--(°C)	103
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	≤ ± 1%
Bearing number	1
Cooling Air--(m ³ /sec)	1.035
Voltage (v)	400/230

Weights*

	Open	Enclosed
Unit wet weight kgs	3960	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 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.

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

The above information is only for reference purpose and shall constitute no restraint to us. No further notice shall be given upon any change of the information, We reserve the authority for final revision.