



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model CPU1000

Standby power N/A / N/A

Prime power 800 kW / 1000KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	N/A (N/A)				800(1000)			
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	N.A	58	105	154	207.3

Engine

Engine manufacturer	MTU
Engine model	16V2000G65
Configuration	90°V.16Cylinders.4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	890
BMEP at set rated load -- kPa	2240
Bore -- mm	130
Stroke -- mm	150
Rated speed -- rpm	1500
Piston speed -- m/s	7.5
Compression ratio	16:1
Lube oil capacity -- L	102
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	N.A
Governor type	ADEC
Starting voltage	24 Volts DC

Fuel flow

Recommended fuel	ASTM NO.2-D
Governor Type	ADEC
Max fuel transfer pump suction--(m)	0.9

Oil system

Oil system capacity--(L)	102
Recommended oil	API-CF OR BETTER
Oil normal temperature--(°C)	100
Oil consumption at 100%	1.04

Air

Combustion air -- m ³ /min	66
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Exhaust

Exhaust flow--(m ³ /min)	177
Exhaust temperature--(°C)	530
Allowable restriction--(kPa)	8.5

Exhaust pipe diameter--(mm)	2xφ 159
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	223
Fan power--(kW)	44
Fan Air flow--(m ³ /min)	1236
Coolant normal temperature--(°C)	82-95
Max water temperature--(°C)	102
Type of coolant	Glycol

Alternator	
Alternator manufacturer	Stamford
Alternator model	HCI634J
Control System	PMG and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	2279
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	12
Voltage regulation	≤ ±0.5%
Bearing number	1
Cooling Air--(m ³ /sec)	1.614
Voltage (v)	400/230

Weights*	Open	Enclosed
Unit wet weight kgs	8100	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	4450	1580	2400

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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