



Frequency : 50Hz
 Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model CPU1650

Standby power /
 Prime power 1320kW / 1650KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	N/A				1320(1650)			
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	105	173	245	313

Engine	
Engine manufacturer	MTU
Engine model	12V4000G23
Configuration	90°V, 12Cylinders, 4 Cycle
Aspiration	Turbocharged and water to air cooled
Gross engine power output -- kWm	1420
BMEP at set rated load -- kPa	2180
Bore -- mm	170
Stroke -- mm	210
Rated speed -- rpm	1500
Piston speed -- m/s	10.5
Compression ratio	16.4:1
Lube oil capacity -- L	260
Overspeed limit -- rpm	N/A
Regenerative power -- kWm	N.A
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)	1.0

Oil system	
Oil system capacity--(L)	260
Recommended oil	API-CG OR BETTER
Oil maximum temperature--(°C)	99
Oil consumption at 100%	1.0

Air	
Combustion air -- m ³ /min	96

Exhaust	
Exhaust flow--(m ³ /min)	240
Exhaust temperature--(°C)	430
Allowable restriction--(kPa)	8.5

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Exhaust pipe diameter--(mm)	2 × φ 250
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Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	467
Fan power--(kW)	37
Fan Air flow--(m ³ /min)	1860
Coolant normal temperature--(°C)	99
Max water temperature--(°C)	102
Type of coolant	Glycol

Alternator

Alternator manufacturer	Stamford
Alternator model	PI734D
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)	3318
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	6
Voltage regulation	±0.5%
Bearing number	1
Cooling Air--(m ³ /sec)	2.69
Voltage (v)	400V/230V

Weights*

	Open	Enclosed
Unit wet weight kgs	N.A	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	N.A	N.A	N.A

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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