



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA



**Model CPU2200**

Standby power /  
 Prime power 1760kW / 2200KVA

Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	N/A				1760(2200)			
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	137	232	325	424

Engine	
Engine manufacturer	MTU
Engine model	16V4000G63
Configuration	90°V.16Cylinders.4 Cycle
Aspiration	Turbocharged and water to air cooled
Gross engine power output -- kWm	1965
BMEP at set rated load -- kPa	2060
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	300
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)	300
Recommended oil	API-CG OR BETTER
Oil maximum temperature--(°C)	99
Oil consumption at 100%	1.3

Air	
Combustion air -- m <sup>3</sup> /min	138

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	348
Exhaust temperature--(°C)	485
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)	512
Fan power--(kW)	55
Fan Air flow--(m <sup>3</sup> /min)	2160
Coolant normal temperature--(°C)	100
Max water temperature--(°C)	102
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	PI734G
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)	4054
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 <sup>3</sup> /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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