



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model CPU775**

Standby power N/A kW / N/A kVA

Prime power 620 kW / 775KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	N/A				620(775)			
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	47	86	125	165

Engine	
Engine manufacturer	MTU
Engine model	12V2000G65
Configuration	90°V.12Cylinders.4 Cycle
Aspiration	Turbocharged
Gross engine power output -- kWm	695
BMEP at set rated load -- kPa	2330
Bore -- mm	130
Stroke -- mm	150
Rated speed -- rpm	1500
Piston speed -- m/s	7.5
Compression ratio	16:1
Lube oil capacity -- L	77
Overspeed limit -- rpm	1500 ±50
Regenerative power -- kWm	40
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)	0.9

Oil system	
Oil system capacity--(L)	77
Recommended oil	API-CG OR BETTER
Oil normal temperature--(°C)	100
Oil consumption at 100%	0.83

Air	
Combustion air -- m <sup>3</sup> /min	51

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	138
Exhaust temperature--(°C)	555
Allowable restriction--(kPa)	8.5

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.

Exhaust pipe diameter--(mm)	2xφ 159
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### Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	176
Fan power--(kW)	38
Fan Air flow--(m <sup>3</sup> /min)	1062
Coolant normal temperature--(°C)	82-95
Max water temperature--(°C)	102
Type of coolant	Glycol

### Alternator

Alternator manufacturer	Stamford
Alternator model	HCI634G
Control System	PMG and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	P2/3
Voltage adjust scope	≥ ±5%
Weight--(kg)	1965
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 <sup>3</sup> /sec)	1.614
Voltage (v)	400/230

### Weights\*

	Open	Enclosed
Unit wet weight kgs	7170	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	3900	1414	2200

### 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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