



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model CPU2565**

Standby power /  
 Prime power 2052kW / 2565KVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	N/A				2052(2565)			
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	170	282	392	503

Engine	
Engine manufacturer	MTU
Engine model	20V4000G23
Configuration	90°V, 20Cylinders, 4 Cycle
Aspiration	Turbocharged and water to air cooled
Gross engine power output -- kWm	2200
BMEP at set rated load -- kPa	1850
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%	1.5

Air	
Combustion air -- m <sup>3</sup> /min	156

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	408
Exhaust temperature--(°C)	500
Allowable restriction--(kPa)	8.5

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Exhaust pipe diameter--(mm)	3 × φ 250
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**Standard set-mounted radiator cooling**

Radiator and engine capacity--(L)	588
Fan power--(kW)	55
Fan Air flow--(m <sup>3</sup> /min)	2580
Coolant normal temperature--(°C)	100
Max water temperature--(°C)	102
Type of coolant	Glycol

**Alternator**

Alternator manufacturer	Stamford
Alternator model	LVSI804S
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)	N/A
A.V.R.	DM110
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)	3.2
Voltage (v)	400V/230V

**Weights\***

	Open	Enclosed
Unit wet weight kgs	18600	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	6405	2570	2975

**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.

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