



Frequency : 50Hz  
 Fuel Type : Diesel

# COOL POWER GENSET

## TECHNICAL DATA

**Model CPM825E**

Standby power 660 kW / 825 kVA

Prime power 600 kW / 750 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	660 (825)				600(750)			
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	49.5	97.1	146.5	194.2	44.5	88.4	132.2	174.9

Engine	
Engine manufacturer	Mitsubishi
Engine model	S6R2-PTAA
Configuration	4-Cycle;in line;6-Cylinder Diesel,Water cooled;
Aspiration	Turbo-Charged, After Cooler
Gross engine power output -- kWm	655
BMEP at set rated load -- kPa	1744
Bore -- mm	170
Stroke -- mm	220
Rated speed -- rpm	1500
Piston speed -- m/s	11
Compression ratio	14:1
Lube oil capacity -- L	94
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	64
Governor type	Electronic
Starting voltage	24 Volts DC

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

Oil system	
Oil system capacity--(L)	94
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	110
Oil consumption at 100%	1.4

Air	
Combustion air -- m <sup>3</sup> /min	66

Exhaust	
Exhaust flow--(m <sup>3</sup> /min)	159
Exhaust temperature--(°C)	≤500
Allowable restriction--(kPa)	5.88

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)	218
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### Standard set-mounted radiator cooling

Radiator and engine capacity--(L)	132
Fan power--(kW)	20
Fan Air flow--(m <sup>3</sup> /min)	1040
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

### Alternator

Alternator manufacturer	Stamford
Alternator model	LVI634B
Control System	<b>PMG and Brushless</b>
Insulation class	H
Temperature Rise	H
Rated Power Factor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	1950
A.V.R.	MX321
Protection	IP 23
Stator Winding	Double layer Concentric
Winding Leads	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m <sup>3</sup> /sec)	2.18

### Weights\*

	Open	Enclosed
Unit wet weight kgs	5386	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	4080	1715	1985

### 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. Detect RPM of the gen-set, active power, power factor and so on.
Emergency stop pushbutton	Emergency stop push button	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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