



Frequency : 50Hz
Fuel Type : Diesel

COOL POWER GENSET

TECHNICAL DATA

Model CPM1425E
Standby power 1140 kW / 1425 kVA
Prime power 1020 kW / 1275 kVA



Fuel consumption	Standby				Prime			
	kW (kVA)				kW (kVA)			
Ratings	1140 (1425)				1020(1275)			
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	79.9	156.8	234.7	311.6	70.7	142.4	212.2	282.9

Engine	
Engine manufacturer	Mitsubishi
Engine model	S12R-PTA
Configuration	4-Cycle; 60° Vee; 12-Cylinder Diesel,Water cooled;
Aspiration	Turbo-Charged, After Cooler
Gross engine power output -- kWm	1220
BMEP at set rated load -- kPa	1993
Bore -- mm	170
Stroke -- mm	180
Rated speed -- rpm	1500
Piston speed -- m/s	9.0
Compression ratio	14.0:1
Lube oil capacity -- L	180
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	105
Governor type	Electronic
Starting voltage	24 Volts DC

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

Oil system	
Oil system capacity--(L)	180
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	110
Oil consumption at 100%	2.26

Air	
Combustion air -- m³/min	98

Exhaust	
Exhaust flow--(m³/min)	258
Exhaust temperature--(°C)	≤510
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)	321
Standard set-mounted radiator cooling	
Radiator and engine capacity--(L)	335
Fan power--(kW)	30
Fan Air flow--(m ³ /min)	1800
Coolant normal temperature--(°C)	71-85
Max water temperature--(°C)	98
Type of coolant	Glycol

Alternator	
Alternator manufacturer	Stamford
Alternator model	PI734B
Control System	PMG and Brushless
Insulation class	H
Temperature Rise	H
Rated Power Facor	0.8
Winding Pitch	Two Thirds
Voltage adjust scope	≥ ±5%
Weight--(kg)	2760
A.V.R.	MX321
Protection	IP 23
Stator Winding	DOUBLE LAYER LAP
Winding Leads	12
Voltage regulation	≤ ±10%
Bearing number	1
Cooling Air--(m ³ /sec)	2.69

Weights*	Open	Enclosed
Unit wet weight kgs	10010	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	4665	1890	2650

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.