

Frequency : 50Hz
Fuel Type : Diesel

Model CPM1160E

Standby power 928 kW / 1160 kVA

Prime power 840 kW / 1050 kVA



Fuel consumption	Standby							
	kW (kVA)				kW (kVA)			
Ratings	928 (1160)				840(1050)			
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	66.5	133.6	200.1	265.2	61.3	120.7	183.5	241.4

Engine	
Engine manufacturer	Mitsubishi
Engine model	S12H-PTA
Configuration	4-Cycle; 60° Vee; 12-Cylinder Diesel, Water cooled;
Aspiration	Turbo-Charged, After Cooler
Gross engine power output -- kWm	1020
BMEP at set rated load -- kPa	2179
Bore -- mm	150
Stroke -- mm	175
Rated speed -- rpm	1500
Piston speed -- m/s	8.8
Compression ratio	14.0:1
Lube oil capacity -- L	200
Overspeed limit -- rpm	1800 ±50
Regenerative power -- kWm	78
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)	200
Recommended oil	API-CD OR BETTER
Oil normal temperature--(°C)	110
Oil consumption at 100%	1.88

Air	
Combustion air -- m³/min	83

Exhaust	
Exhaust flow--(m³/min)	220
Exhaust temperature--(°C)	≤510
Allowable restriction--(kPa)	5.88

Exhaust pipe diameter--(mm)	218			
Standard set-mounted radiator cooling				
Radiator and engine capacity--(L)	244			
Fan power--(kW)	44			
Fan Air flow--(m³/min)	1800			
Coolant normal temperature--(°C)	71-85			
Max water temperature--(°C)	98			
Type of coolant	Glycol			
Alternator				
Alternator manufacturer	Stamford			
Alternator model	HCI634K			
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)	2541			
A.V.R.	MX321			
Protection	IP 23			
Stator Winding	DOUBLE LAYER LAP			
Winding Leads	12			
Voltage regulation	≤±10%			
Bearing number	1			
Cooling Air--(m³/sec)	2.18			
Weights*		Open	Enclosed	
Unit wet weight kgs		8335	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		4450	1645	2440
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.