



DIESEL GENERATOR SET PM38SDG-2 SPECIFICATION

	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
	34.5KW	38KW	230V / 60Hz
PF:1.0	34.4KVA	38KVA	

GENERAL INFORMATION

DIESEL GENERATOR SET

Model	PM38SDG-2
Motor	Yangdong Y4102ZLD
Alternator	SMF180F
Speed Control type	Mechanic
Phase	Single
Fuel Tank Capacity	80L
System Voltage	12V
Frequency	60HZ

ENGINE

Maximum output(kw)	48KW(60Hz)
Number of Cylinders	4
Aspiration	Turbo-charger with intercooler
Cycle	4
Fuel Type	Diesel
Combustion Type	Direct injector
Cooling Type	Forced watercooling
Bore	102mm
Stroke	118mm
Displacement	3.875 L
Compression Ratio	18:1

Alternator

Insulation	Class"H"
Excitation Type	Self-excitation
Protection class	IP23

Certificates

Engine	ISO 3046.BS 5514.DIN 6271
Alternator	UTE NFC 51-111-105-110
	ICE34-1.BS 5000-4999
	NEMA MG 21.VDE 0530
Generator Set	ISO 8528

Controller

Samrtgen HGM6110N

Stop/Reset Can stop generator under Manual/Auto mode;can reset shutdown alarm; Press this key at least 3 seconds to test panel indicators are OK or not (lamp test);During stopping process , press this key again can stop generator immediately.

Start Start geneset under manual or manual test mode.

Manual Pressing this key will set the module as Manual mode

Auto Pressing this key will set the module as Auto mode

Gen close/Open Can control gens to switch on or off in Manual mode.

Close Can control gens to switch on in Manual mode.

Open Can control gens to switch off in Manual mode

Set/Confirm Press this key to enter menu interface
Shift cursor to confirm in parameters setting menu.

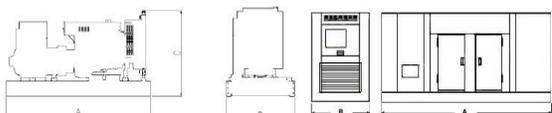
Up/Increase Screen croll
Up cursor and increase value in setting menu.

Down/Decrease Scroll screen
Down cursor and decrease value in setting menu

Home/Return Return to homepage when in main interface
Exit when in parameters setting interface

FUEL CONSUMPTION	1800 RPM
Standby Power(2)	13.0 L/hr
Prime Power(1)	9.9
75% Prime Power(1)	7.5
50% Prime Power(1)	5.7

DIMENSION	OPEN	SILENT
Length (A)	1880mm	2480mm
Width (B)	760mm	880mm
Height (C)	1300mm	1290mm
Net Weight	800kg	1010kg



(1)Prime Power: ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity

(2)Standby Power: Power available at variable load for up to a maximum of 500 hours during one year of which 300 hours may be for continuous use.

(3)Operation at Altitude ≤1500m, Ambient temperature ≤ 40℃).If altitude higher than 1500m, each 300m will cause additional de-rating 4%.