



**DIESEL GENERATOR SET PM28SDG-2**

**SPECIFICATION**

MODEL	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
230V/60Hz	25.45KW	28KW	230v
PF:1.0	25.45KVA	28KVA	

**GENERAL INFORMATION**

**DIESEL GENERATOR SET**

Model	PM28SDG-2
Motor	Yangdong Y4100D
Alternator	SMF180D
Speed Control type	Mechanic
Phase	Single
Fuel Tank Capacity	73 L
System Voltage	12V
Frequency	60HZ

**ENGINE**

Rated output(kw)	36KW(60Hz)
Number of Cylinders	4L
Aspiration	Naturally Aspirated
Cycle	4
Fuel Type	Diesel
Combustion Type	Director injector
Cooling Type	Forced watercooling
Bore	100mm
Stroke	118mm
Displacement	3.707 L
Compression Ratio	18:1

FUEL CONSUMPTION	1800 RPM
Standby Power(2)	7.4 L/hr
Prime Power(1)	6.7
75% Prime Power(1)	5.0
50% Prime Power(1)	3.87

DIMENSION	OPEN	SILENT
Length (A)	1880mm	2250mm
Width (B)	760mm	850mm
Height (C)	1300mm	1290mm
Net Weight	795kg	900kg

**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
	ISO 8528

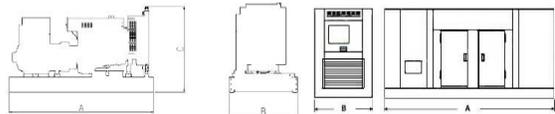
Generator Set

**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



(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%.