



**DIESEL GENERATOR SET PM28SDGT-2**

**SPECIFICATION**

MODEL	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
230/400V/60Hz	20KW	22KW	230/400v
PF: 0.8	25KVA	27.5KVA	

**GENERAL INFORMATION**

**DIESEL GENERATOR SET**

Model	PM28SDGT-2
Motor	Yangdong Y490D
Alternator	SMF180C
Speed Control type	Mechanic
Phase	Three
Fuel Tank Capacity	73 L
System Voltage	12V
Frequency	60HZ

**ENGINE**

Rated output(kw)	28KW(60Hz)
Number of Cylinders	4L
Aspiration	Naturally Aspirated
Cycle	4
Fuel Type	Diesel
Combustion Type	Director injector
Cooling Type	Forced watercooling
Bore	90mm
Stroke	105mm
Displacement	2.67 L
Compression Ratio	18:1

FUEL CONSUMPTION	1800 RPM
Standby Power(2)	6.5 L/hr
Prime Power(1)	6.0
75% Prime Power(1)	4.5
50% Prime Power(1)	3.40

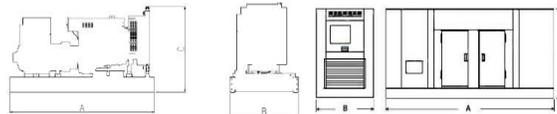
**Alternator**

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

DIMENSION	OPEN	SILENT
Length (A)	1760mm	2250mm
Width (B)	760mm	850mm
Height (C)	1250mm	1140mm
Net Weight	600kg	800kg

**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°C).If altitude higher than 1500m, each 300m will cause additional de-rating 4%.