



**DIESEL GENERATOR SET PM20SDGT-2**

**SPECIFICATION**

MODEL	Power rating		Voltage available
	PRIME(1)	STANDBY(2)	
230/400V/60Hz	15KW	16.5KW	230/400 V
PF: 0.8	18.7KVA	20.6KVA	

**GENERAL INFORMATION**

**DIESEL GENERATOR SET**

Model	PM20SDGT-2
Motor	Yangdong YD4KD
Alternator	SMF160E
Speed Control type	Mechanic
Phase	Three
Fuel Tank Capacity	68 L
System Voltage	12V
Frequency	60HZ

**ENGINE**

Rated output(kw)	18KW(60Hz)
Number of Cylinders	4L
Aspiration	Naturally Aspirated
Cycle	4
Fuel Type	Diesel
Combustion Type	Director injector
Cooling Type	Forced watercooling
Bore	85mm
Stroke	90mm
Displacement	2.043 L
Compression Ratio	18:1

FUEL CONSUMPTION	1800 RPM
Standby Power(2)	4.9 L/hr
Prime Power(1)	4.4
75% Prime Power(1)	3.3
50% Prime Power(1)	2.50

**Alternator**

Insulation	Clase"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

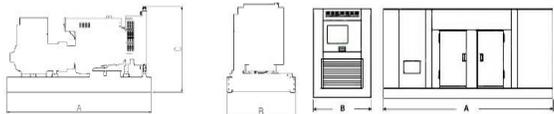
**Set/Confirm** Press this key to enter menu interface  
Shift cursor to confirm in parameters setting menu.

**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

DIMENSION	OPEN	SILENT
Length (A)	1650mm	2100mm
Width (B)	760mm	850mm
Height (C)	1250mm	1140mm
Net Weight	512kg	720kg



(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%.