

GROUP		Standby Power	Prime Power
Power	<i>kVA</i>	25	23
Power	<i>kW</i>	20	18,4
Engine Speed	<i>rpm</i>	1500	
Standard Voltage	<i>V</i>	400 / 230	
Power Factor	<i>Cos Phi</i>	0,8	

### Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

### Standby Power

The maxpower available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utilitypower outage or under test conditions for up to 200 hrs of operation per year under average of 70%load.Overloading isn't permissible.

### Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

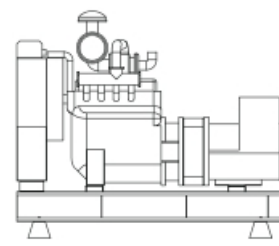
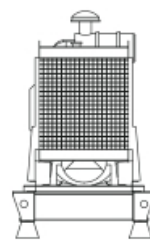
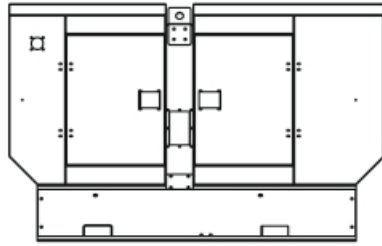
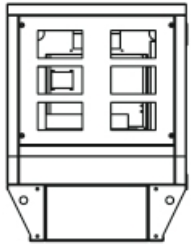
## Engine Properties

Brand		YANGDONG
Model		YD485D
Standby	<i>kW</i>	20
Prime	<i>kW</i>	18.4
Cylinder Displacement	<i>lt.</i>	2,1
Number of Cylinders / Type		4 / In line
Bore x Stroke	<i>mmxmm</i>	85x95
Compression Ratio		18:1
Governor Type		Mechanic/Electronic
Idle Speed	<i>rpm</i>	1500
Aspiration		Natural Aspiration
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	<i>lt/h</i>	4,9
Fuel Consumption%75	<i>lt/h</i>	3,6
Fuel Consumption%50	<i>lt/h</i>	2,4
Oil Capacity	<i>lt. lt.</i>	5,5
Cooling Liquid Capacity	<i>V A</i>	11,6
Voltage		12
Battery Capacity		60

## Alternator Properties

Output Voltage	<i>V</i>	230/400
Frequency	<i>HZ</i>	50
Automatic Voltage Regulation	$\pm\%$	0,5
Phase		3
Pole		4
Overload		1 Hour %110
Voltage Regulation		$\pm\%1$
Power Factor	<i>cosφ</i>	0,8
Warning System		Self Alert
AVR Model		SX460
Total Harmonic Losing		$\leq\%3$
Connecting Type		Star
Protection Class		IP 23
Isolation Class		H

## Diemensions



### Canopied

L x W x H	<i>mm</i>	2000x950x1260
Weight	<i>kg</i>	733
Fuel Tank Capacity	<i>lt.</i>	

### Open Set

85	L x	Weight
	W x	Fuel Tank Capacity
	H	<i>mm kg lt.</i>

## Standard Specification

Some standard equipments that TMG POWER provides with generator sets;

- 50°C cooland radiator
- Flexible fuelpipes and oil drain valve
- Engine jacket heater
- 4 pole synchronous type self-excited brushless alternator
- Battery and wires
- Entegrated fuel tank
- User and maintenance manual
- Oil and antifreeze



- Diesel and gas genset support
- 400Hz operation support
- Downloadable languages
- Harmonic analysis of V & I
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Overload IDMT protection
- Current unbalance protection
- Fuel filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Contactor & MCB drive
- Fuel filling counters
- Fuel consumption counter
- Automatic GSM geo-location
- Reverse power protection
- Free configuration program
- Mobile genset support
- 3 level configuration password
- Ip65 rating with optional gasket