

### TMGYD-22

### **DIESEL GENERATOR**







GROUP		<b>Standby Power</b>	<b>Prime Power</b>
Power	kVA	22	20
Power	kW	17,6	16
Engine Speed	rpm	1500	
Standard Voltage		400 / 230	
Power Factor	Cos Phi	0,8	

#### **Continuous Power**

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

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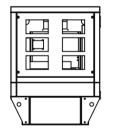
#### **Engine Properties**

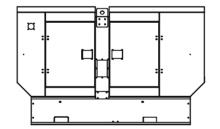
Brand		YANGDONG
Model		YD485D
Standby	kW	18,7
Prime	kW	17
Cylinder Displacement	It.	2,1
Number of Cylinders / Type		4 / In line
Bore x Stroke	mmxmm	85x95
Compression Ratio		18:1
Governor Type		Mechanic/Electronic
Idle Speed	rpm	1500
Aspiration		Natural Aspiration
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	It/h	4,9
Fuel Consumption%75	lt/h	3,6
Fuel Consumption%50	It/h	2,4
Oil Capacity	It.	5,5
Cooling Liquid Capacity	It.	11,6
Voltage	V	12
Battery Capacity	Α	60

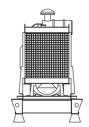
#### **Alternator Properties**

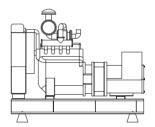
Output Voltage	V	230/400
Frequency	HZ	50
Automatic Voltage Regulation	±%	0,5
Phase		3
Pole		4
Overload		1 Hour %110
Voltage Regulation		±%1
Power Factor	Cosq	0,8
Warning System		Self Alert
AVR Model		SX460
Total Harmonic Losing		≤%3
Connecting Type		Star
Protection Class		IP 23
Isolation Class		Н

#### **Diemensions**









#### **Canopied**

LxWxH	mm	2000x950x1260
Weight	kg	733
Fuel Tank Capacity	It.	85

#### **Open Set**

LxWxH	mm	1700x950x1100
Weight	kg	545
Fuel Tank Capacity	It.	85

#### **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
- Datakom D-300 controller
- Battery charger
- Electrical circuit diagram





## TMGYD-22



- · 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

#### Optional Specification

Some Optional Equipments that TMG POWER provides with generator Sets;

- Auto refueling system
- Extra fuel tank , coil heaters
- Remote radiator
- Syncronization system
- Circuit breaker

- Special soundproof canopies
- Siesmic solutions
- Trailer
- Remote control panel
- · Automatic transfer switch

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