



GROUP

Standby Power

Prime Power

Power	kVA	80	72.7
Power	kW	64	58.1
Engine Speed	rpm	1500	
Standard Voltage	V	400 / 230	
Power Factor	Cos Phi	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.

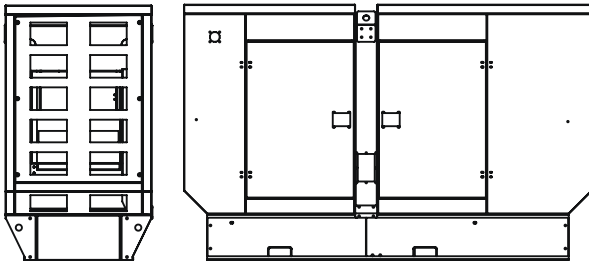
Engine Properties

Brand	MOTORSAZAN
Model	MTI440C-100GD
Standby	<i>kW</i> 71.4
Prime	<i>kW</i> 64.4
Cylinder Displacement	<i>lt.</i> 4
Number of Cylinders / Type	4 / In line
Bore x Stroke	<i>mmxmm</i> 100x127
Compression Ratio	16:1
Governor Type	Mechanic/Electronic
Idle Speed	<i>rpm</i> 1500
Aspiration	Turbocharge, Intercooler
Injection Type	Direct Injection
Cooling System	Liquid Cooled
Fuel Consumption%100	<i>lt/h</i> 14.7
Fuel Consumption%75	<i>lt/h</i> 11
Fuel Consumption%50	<i>lt/h</i> 7.3
Oil Capacity	<i>lt.</i> 8
Cooling Liquid Capacity	<i>lt.</i> 22
Voltage	<i>V</i> 12
Battery Capacity	<i>A</i> 72

Alternator Properties

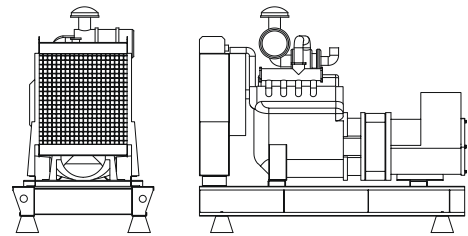
Output Voltage	<i>V</i> 230/400
Frequency	<i>HZ</i> 50
Automatic Voltage Regulation	$\pm\%$ 0,5
Phase	3
Pole	4
Overload	1 Hour %110
Voltage Regulation	$\pm\%$ 1
Power Factor	<i>Cosq</i> 0,8
Warning System	Self Alert
AVR Model	SX460
Total Harmonic Losing	$\leq\%$ 3
Connecting Type	Star
Protection Class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

Diemensions



Canopied

L x W x H	<i>mm</i> 2650x950x1660
Weight	<i>kg</i> 1360
Fuel Tank Capacity	<i>lt.</i> 160



Open Set

L x W x H	<i>mm</i> 2350x950xTBA
Weight	<i>kg</i> 1090
Fuel Tank Capacity	<i>lt.</i> 160

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



- 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
- Synchronization system
- Circuit breaker
- Special soundproof canopies
- Siesmic solutions
- Trailer
- Remote control panel
- Automatic transfer switch