

**GROUP****Standby Power****Prime Power**

Power	kVA	75	68
Power	kW	60	54,5
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.

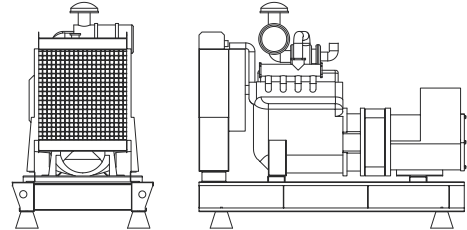
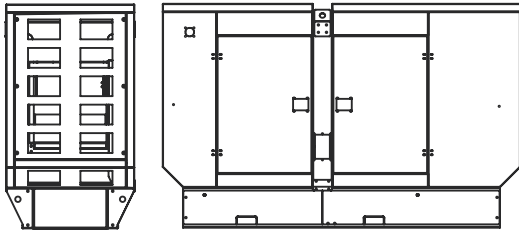
Engine Properties

Brand	RICARDO
Model	ZH4105ZLD
Standby <i>kW</i>	61,6
Prime <i>kW</i>	56
Cylinder Displacement <i>lt.</i>	3,9
Number of Cylinders / Type	4 / In line
Bore x Stroke <i>mmxmm</i>	105x115
Compression Ratio	17:1
Governor Type	Mechanic
Idle Speed <i>rpm</i>	1500
Aspiration	Turbocharge, Intercooler
Injection Type	Direct Injection
Cooling System	Liquid Cooled
Fuel Consumption%100 <i>lt/h</i>	16,7
Fuel Consumption%75 <i>lt/h</i>	12,5
Fuel Consumption%50 <i>lt/h</i>	8,3
Oil Capacity <i>lt.</i>	13
Cooling Liquid Capacity <i>lt.</i>	17
Voltage <i>V</i>	24
Battery Capacity <i>A</i>	2 x 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>	2650x950x1660
Weight <i>kg</i>	TBA
Fuel Tank Capacity <i>lt.</i>	160

Open Set

L x W x H <i>mm</i>	2350x950x1400
Weight <i>kg</i>	TBA
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
- Entegred 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