TMGR-90

DIESEL GENERATOR

GROUP		Standby Power	Prime Power
Power	*kVA*	90	81,8
Power	*kW*	72	65,4
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 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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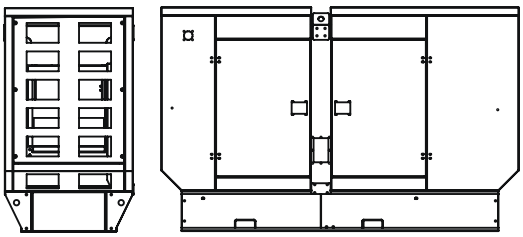
Engine Properties

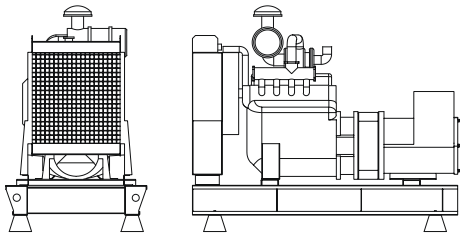
Brand		RICARDO
Model		R4105IZLD
Standby	*kW*	96,8
Prime	*kW*	88
Cylinder Displacement	*lt.*	4,6
Number of Cylinders / Type		4 / In line
Bore x Stroke	*mmxmm*	105x135
Compression Ratio		17:1
Governor Type		Mechanic/Electronic
Idle Speed	*rpm*	1500
Aspiration		Turbocharge, Intercooler
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	*lt/h*	23,4
Fuel Consumption%75	*lt/h*	17,5
Fuel Consumption%50	*lt/h*	11,7
Oil Capacity	*lt.*	13
Cooling Liquid Capacity	*lt.*	22
Voltage	*V*	24
Battery Capacity	*A*	2x60

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		H

Diemensions





Canopied

L x W x H	*mm*	2650x950x1660
Weight	*kg*	1363
Fuel Tank Capacity	*lt.*	160

Open Set

L x W x H	*mm*	2350x950x1400
Weight	*kg*	1088
Fuel Tank Capacity	*lt.*	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

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- 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