



### GROUP

### Standby Power

### Prime Power

Power	kVA	110	100
Power	kW	88	80
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 max power 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 utility power 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.

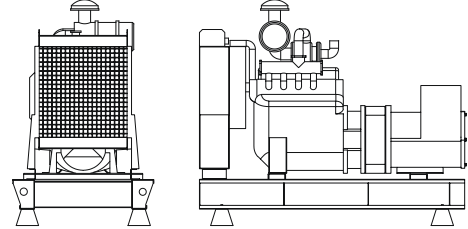
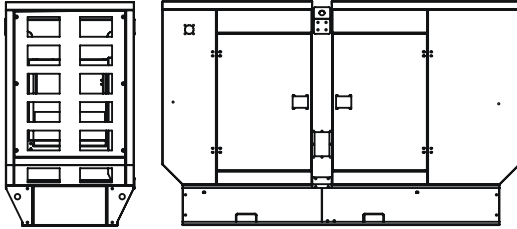
## Engine Properties

Brand		RICARDO
Model		R6105ZD
Standby	kW	92,4
Prime	kW	84
Cylinder Displacement	lt.	6,4
Number of Cylinders / Type		6 / In line
Bore x Stroke	mmxmm	105x125
Compression Ratio		16:1
Governor Type		Mechanic/Electronic
Idle Speed	rpm	1500
Aspiration		Turbocharge, Intercooler
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	lt/h	22,4
Fuel Consumption%75	lt/h	16,8
Fuel Consumption%50	lt/h	11,2
Oil Capacity	lt.	15
Cooling Liquid Capacity	lt.	25
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	Cosφ	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	1500
Fuel Tank Capacity	lt.	160

### Open Set

L x W x H	mm	2350x950x1400
Weight	kg	1225
Fuel Tank Capacity	lt.	160

## Standard Specification

Some standard equipments that AMG 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 AMG 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