

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

Power	kVA	55	50
Power	kW	44	40
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.

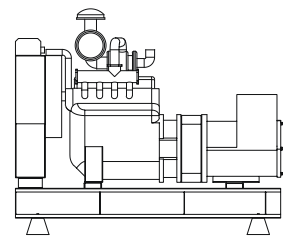
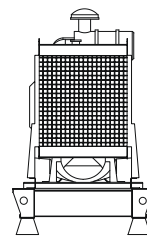
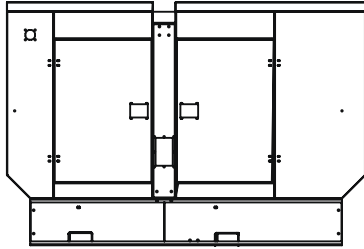
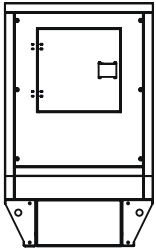
### Engine Properties

Brand		YANGDONG
Model		Y4102ZLD
Standby	kW	52,8
Prime	kW	48
Cylinder Displacement	lt.	3,8
Number of Cylinders / Type		4 / In line
Bore x Stroke	mmxmm	102x118
Compression Ratio		18:1
Governor Type		Mechanic/Electronic
Idle Speed	rpm	1500
Aspiration		Turbocharger, Intercooler
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	lt/h	12,8
Fuel Consumption%75	lt/h	9,6
Fuel Consumption%50	lt/h	6,4
Oil Capacity	lt.	13
Cooling Liquid Capacity	lt.	14,9
Voltage	V	12
Battery Capacity	A	72

### 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	2300x950x1560
Weight	kg	TBA
Fuel Tank Capacity	lt.	85

#### Open Set

L x W x H	mm	2000x950x1310
Weight	kg	TBA
Fuel Tank Capacity	lt.	85

### 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