



GROUP

		Standby Power	Prime Power
Power	<i>kVA</i>	525	478
Power	<i>kW</i>	420	382
Engine Speed	<i>rpm</i>	1500	
Standard Voltage	<i>V</i>	400 / 230	
Power Factor	<i>Cos Phi</i>	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.

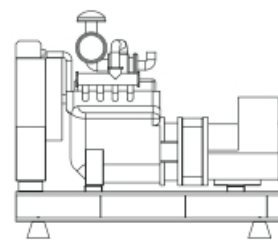
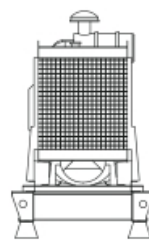
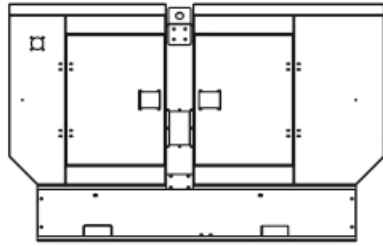
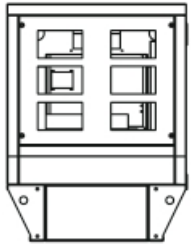
Engine Properties

Brand	SHANGAI SDEC
Model	S142TAD49
Standby <i>kW</i>	420
Prime <i>kW</i>	382
Cylinder Displacement <i>lt.</i>	14,2
Number of Cylinders / Type	6/In line
Bore x Stroke <i>mmxmm</i>	135-168
Compression Ratio	16:1
Governor Type	Electronic/MECH
Idle Speed <i>rpm</i>	1500
Aspiration	Turboch. Intcool.
Injection Type	Direct Injection
Cooling System	Liquid Cooled
Fuel Consumption%100 <i>lt/h</i>	100
Fuel Consumption%75 <i>lt/h</i>	75
Fuel Consumption%50 <i>lt/h</i>	53
Oil Capacity <i>lt.</i>	35
Cooling Liquid Capacity <i>lt.</i>	75
Voltage <i>V A</i>	24
Battery Capacity	2X75

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>	2200X1600X3400
Weight <i>kg</i>	
Fuel Tank Capacity <i>lt.</i>	500

Open Set

L x W x H <i>mm</i>	2000X1600X3400
Weight <i>kg</i>	
Fuel Tank Capacity <i>lt.</i>	500

Standard Specification

Some standard equipments that 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 wire 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