TMG
Distribuit de Power House

TMGQC-28
DIESEL GENERATOR

QUANCHAI ®
全柴

GROUP		Standby Power	Prime Power
Power	kVA	28	25,4
Power	kW	22,4	20,3
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.
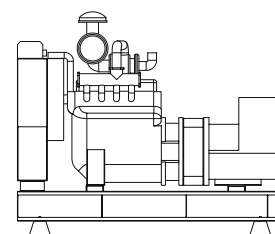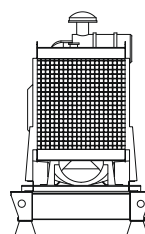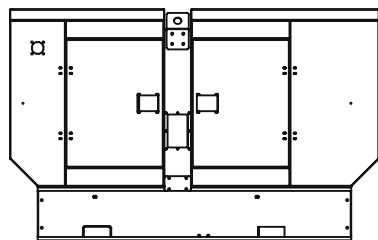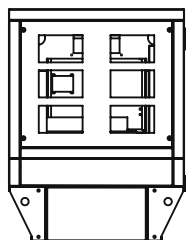
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Engine Properties

Brand		QUANCHAI
Model		QC490D
Standby	kW	24
Prime	kW	21
Cylinder Displacement	lt.	2,6
Number of Cylinders / Type		4 / In line
Bore x Stroke	mmxmm	90 x 105
Compression Ratio		18 : 1
Governor Type		Mechanic
Idle Speed	rpm	1500
Aspiration		Natural Aspiration
Injection Type		Direct Injection
Cooling System		Liquid Cooled
Fuel Consumption%100	lt/h	6,4
Fuel Consumption%75	lt/h	4,8
Fuel Consumption%50	lt/h	3,1
Oil Capacity	lt.	6,5
Cooling Liquid Capacity	lt.	12,1
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	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	2000x950x1260
Weight	kg	TBA
Fuel Tank Capacity	lt.	85

Open Set

L x W x H	mm	1700x950xTBA
Weight	kg	TBA
Fuel Tank Capacity	lt.	85

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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TMGQC-28

- 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

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