

## BETTER HOMES SUPPLIES

Better Quality ~ Better Value ~ Better Service

8-22 Woodcock Street, Port Augusta SA 5700. PH: 08 8642 3033 Fax: 08 8642 3939

Email: sales@betterhomessupplies.com.au Website: www.betterhomessupplies.com.au

MIGHTY HELPFUL  
**MITRE 10**

Powered by

*Quanchai QC498D*

20KW at 50Hz, 415V

BQ28 Three Phase

8012401

**\$9495.00**



### DIESEL GEN-SET TECHNICAL SPECIFICATIONS

Genset Model	
Prime Power(50HZ)	20KW /25KVA
Standby Power(50HZ)	22KW / 27.5KVA
Frequency/Speed	50Hz/1500rpm
Voltage	415/240V
Phases	3 phase, 4 wires
Manufacturer	Fujian Bobig Electric Machinery Co., Ltd.

(1)PRP: Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation,in accordance with ISO 3046-1.

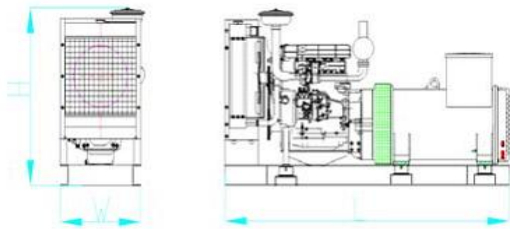
(2)ESP: The Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data	
Manufacturer	Anhui Quanchai engine co.ltd
Model	QC498D
Engine speed	1500rpm
Engine power	25KW
Air intake way	Natural aspirated
Cylinder arrangement	Vertical in line 4 stroke
Cylinder quantity	4
Bore * Stroke	98*105mm
Displacement	3.168L
Compression ratio	18;1
Speed governor	mechanical
Cooling system	water cooled 50°C Radiator
Chamber type	direct injection
100% prime power fuel consumption L	6.5L
Lubricating oil capacity	8L
Fuel tank capacity	65L
Net Weight	240KG

## Alternator Specifications

Alternator Model	BW-184F
Alternator Type	A.C. Synchronous
Rated Voltage	415/240V
Rated Frequency	50HZ
Rated speed	1500 RPM
Voltage regulation mode	Auto
Alternator voltage regulation	±0.5%
Exciting mode	Brushless self exciting
Power factor	0.8 (lagging)
Phase & wires	3 phase 4 wires
Rated current	34.8A
Efficiency	0.845
Insulation class	H
Protection class	IP23
Single load step to NFPA110	1
Standards	IEC34-1,NEMA1
Max. Ambient Temperature	40°C
Min. Ambient Temperature	-20°C
Max. altitude	1000m
Weight	120kg

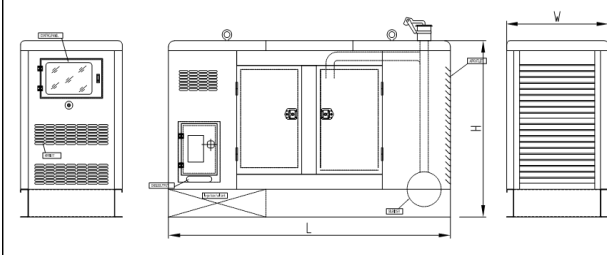
## Open Version



### Open Version

Overall size: 1450\*610\*1100mm(L\*W\*H)  
Weight: 530kg

## Soundproof Version



### Soundproof Version

Overall size: 2000\*850\*1050mm(L\*W\*H)  
Weight: 722kg

## Sales Promises

Our Engineering provides a full line of brand new and high quality products. Each and every unit is strictly factory tested before shipment.

Quality Warranty is according to our standard conditions: 12 months from BL date or 1,000 running hours, whichever comes first.

Service and parts are available from BOBIG or distributors in your location.

## Control Panel Specification(Standard) Smartgen HGM6120KC

HGM6120K: AMF (Automatic Mains Failure Module)

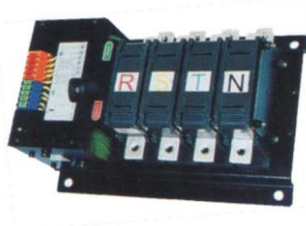
- ◆ Using microprocessor as a core, graphics LCD with big screen and backlight, display between Chinese and English. Key touch for operation.
- ◆ Have a RS485 port, can be used for communicate to PC.
- ◆ Precision measure and display of
  - Mains voltage Mains frequency (Hz) Mains current Generator voltage
  - Generator current Generator frequency (Hz) Generator active power (kW)
  - Generator inactive power(kVar) Generator apparent power (kVA) Generator power factor
  - Generator starts count Generator hour?s count Generator cumulate electric energy (kWh)
  - Generator temperature Generator pressure Generator fuel level Start battery voltage
- ◆ Configurable single -phase 2 wires or 2-phase 3 wires or 3-phase 4 wires AC system input;
- ◆ Control protection: Automatic start/stop, load transfer and alarming of generator;
- ◆ Parameters setting: Allow user to modify setting and store them inside internal FLASH memory, the parameters can not be lost even with power down. All parameters can be set from the front panel, or be set by PC used SG72;
- ◆ Three channel analog inputs, may joint with Resistive-type temperature/ pressure/ fuel level sensors, several temperature and pressure sensors can be used directly (ie. VDO, DATCON, CUMMINS), also may select "user defined" sensor via entering 8 point curves;
- ◆ Display of generator cumulated electric energy;
- ◆ Security password-protected programming levels;
- ◆ Several crank success conditions are optional;
- ◆ Built-in speed/frequency detecting units can accurately judge the states such as crank success and over speed;
- ◆ Power supply range is wide, accommodating to different starting battery voltage environments;
- ◆ All parameters use digital modulation, abandoning analog modulation using conventional electronic potentiometer, reliability and stability are increased;
- ◆ Built-in watch dog can never be dead halt, ensuring smooth program execution;
- ◆ Modular configuration design, inserted type connection terminals, flush type installation, compact structure, easy installation.



## Other Control Panel&ATS for Choice



**ComAp AMF25, Deepsea DSE6020,DSE7310 etc.**



**Smartgen,Suyang,Socomec etc.**

## SOUNDPROOF ENCLOSURE SPECIFICATION

Our silent generator is designed by professional acoustic engineers based on many years experience, Now we can make the noise of the generator less than 80-85dB(A) at 1m, or 70-75dB(A) at 7m, 60-65dB(A) at 15m.

### High performance

- ★ multi-way air intake and exhaust guarantee the power performance of the generator.
- ★ large-scale impedance combined type silencer effectively reduce noise of the generator.
- ★ internal high performance rubber damper and flexible materials reduce vibration.
- ★ Base mounted fuel tank supports the generator running for 8 hours.

### Construction features

- ★ Cold steel materials of the canopy.
- ★ Best powder paint.
- ★ Zinc plated and Corrosion resistance.
- ★ Elegant appearance and reliable quality.
- ★ Stainless steel locks and hinges.
- ★ Access to all weather conditions.
- ★ Fireproof, waterproof and dustproof.
- ★ High quality soundproof materials could efficiently reduce noise.
- ★ Big base fuel tank in the frame guarantee sufficient diesel supply.

### Maintenance features

- ★ 180° revolvable and disassemble door for easy maintenance.
- ★ Concave lockable access door for easy operation and indefectible.
- ★ Lights inside of the canopy for maintenance.

### Security and Safety

- ★ Transparent viewing window make the control panel clear at a glance.
- ★ Emergency stop button mounted on the canopy exterior for urgency.
- ★ Cooling fluid injection hole is kept on the ceiling crust.
- ★ Pipe of lube oil and cooling fluid is mounted on the bottom of generator for easy let.
- ★ Fuel fill and battery can easy be accessed by lockable door.
- ★ Cooling fan and battery are fully guarded.
- ★ Heat insulation of exhaust smoke system inside the canopy.

### Transportation

- ★ Forkman slot is for choice.
- ★ Lifting ear is mounted in the base frame.