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CE

# Model:DB-800GF Powered by Weichai

Applicable Standards	Factory Inspection
ISO9001	Complete design and quality inspection
ISO14001	0%, 25%, 50%, 75%, 100%, 110% load test
ISO45001	Function test

800KW 1000KVA Diesel Generator Set Datasheet		
Genset model	DB-800GF	
Prime power	800kW	
	1000kVA	
Standby power	880kW	
	1100kVA	
Rated voltage(V)	400/230 (customizable)	
Rate current(A)	1440A	
Power factor	0.8	
Frequency(Hz)	50	
Speed(rpm)	1500	
Phase:	3 phase 4 wire	
Noise level:	105dB at 7m (open type diesel genset)	
	75dB at 7m(silent type diesel genset)	

## **Environmental Conditions**

- Ambient temperature:  $+5^{\circ}$  C~ $+40^{\circ}$  C
- Altitude: ≤1000m
- Remark: If your conditions are different from the above, please contact our sales.

Туре	Dimensions(mm) L*W*H	Weight(kg)	Base bottom fuel tank (Liter)
Open Type	4350*2000*2300	6600	Without
Silent Type	6000*2400*2800	12400	8 hours

Remark: The dimensions and weight of the above diesel generator set are for reference only, and the specific dimensions and weight of the genset after production completion shall prevail.



# **Engine Specifications**

Manufacturer	Weichai
Model	12M26D968E200
Engine output-prime	880kW
Engine output-standby	968kW
Frequency:	50Hz
Speed:	1500rpm
Cylinders no. & Type:	12 cylinders, V type, 4 stroke, diesel engine,
	water-cooled
Aspiration:	Turbocharged and aftercooled
Bore*stroke	150*150mm
Displacement	31.8L
Compression Ratio	15.5:1
Governor	Electronic speed governor
Starter motor voltage:	24V DC
Type Injection System:	direct injection
Oil capacity (Low / High):	78L/109L
Cooling way	Water Radiator & fan
Coolant capacity of the engine:	83L
Thermostat opening temperature/full open temperature:	77/87°C
Max. fuel inlet temperature:	45℃
Fuel supply flow- Rated working condition:	172.4kg/h
Fuel supply flow- Overload working condition:	191kg/h

Heavy duty diesel engine

Anti-vibration mount

- Replaceable fuel filter, oil filter & air filter
- Cooling radiator and fan

# Flexible fuel connection hosesExhaust silencer and bellows

Starter battery (with lead acid, free-maintenance)

Operation manuals and circuit diagram documents

## Alternator Specifications

Alternator brand optional	Stamford/Leroy Somer/Marathon/ENGGA
Rated Voltage(V)	400/230
Output way	3 phase 4 wire
Rated power factor	0.8
Exciter	Brushless, Self-exciter
Wire connecting method	Y type, 3 phase 4 wire
Max voltage regulation	±1%
Protection class	IP23
Insulation class	Н
Temperature rise grade:	Н
Rotor:	Single/double bearing
Efficiency:	95%
Regulator:	AVR
Recovery time(Tr)	1s
Waveform : TIF	<50
Waveform : THF	<2%
Туре:	Synchronous alternator
Overload	110% rated load for 2 hour per 24 hour

# **Control System**

### Model:SmartGen HGM6110(optional Deep Sea)

**Origin: China** 

### Automatic controller

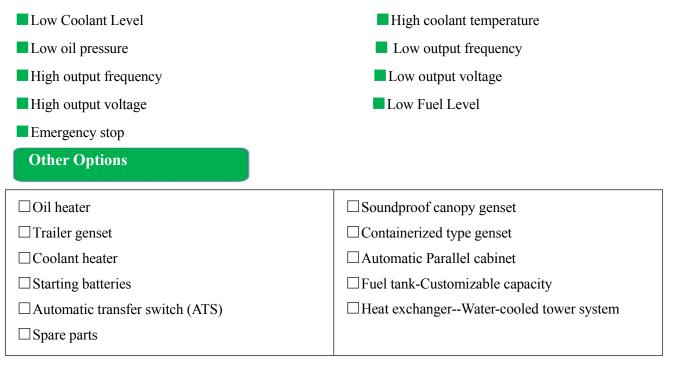


Operating Environment		
Operating temperature:	-25°C~70°C	
Relative humidity:	95%	
Operating voltage:	DC24V(range: 8-35V)	

#### **Product Features:**

HGM6110 series automatic controller, integrating digital, intelligent and network techniques, is used for automatic control and monitoring system of genset. It can carry out functions of automatic start/stop, data measurement, alarm protection and three "remote" (remote control, remote measure and remote communication). The controller uses LCD display, optional display interface including Chinese, English, Spanish, Russian, Portuguese, Turkey, Polish and French with easy and reliable operation.

#### Below shut down causes are included:



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