

Model:DB-2400GF Powered by Weichai



Applicable Standards

- ISO9001
- ISO14001
- ISO45001
- CE

Factory Inspection

Complete design and quality inspection

0%, 25%, 50%, 75%, 100%, 110% load test

Function test

2400KW 3000KVA Diesel Generator Set Datasheet		
Genset model	DB-2400GF	
Prime power	2400kW	
-	3000kVA	
Standby power	2650kW	
	3313kVA	
Rated voltage(V)	400/230 (customizable)	
Rate current(A)	4320A	
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

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Altitude: ≤1000m
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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	6500*2400*2800	17800	Without
Silent Type	11000*3500*3700	20300	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	16M55D2900E310
Engine output-prime	2646kW
Engine output-standby	2900kW
Frequency:	50Hz
Speed:	1500rpm
Cylinders no. & Type:	16 cylinders, V type, 4 stroke, diesel engine,
	water-cooled
Aspiration:	Turbocharging and intercooling
Bore*stroke	180*215mm
Displacement	87.5L
Compression Ratio	16.5:1
Governor	Electronic speed governor
Starter motor voltage:	24V DC
Type Injection System:	direct injection
Oil capacity Low / High:	350L/405L
Cooling way	Water Radiator & fan
Coolant capacity of the engine:	high temperature:261.3L
	low temperature:89.2L
Thermostat opening temperature/full open temperature:	high temperature:82~92L
	low temperature:44~56L
Max. fuel inlet temperature:	70°C
Min. pressure of fuel pump:	50kPa

Heavy duty diesel engine

Anti-vibration mount

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

- Starter battery (with lead acid, free-maintenance)
- Flexible fuel connection hoses
- Exhaust silencer and bellows
- 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	$\pm 1\%$
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

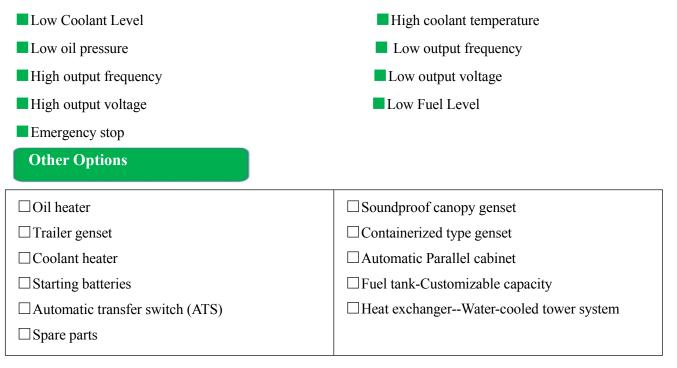


Operating Environment		
Operating temperature:	-25°C~70°C	
Relative humidity:	95%	
Operating voltage:	DC24V(range: 8-35V)	

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:



Guangxi Dingbo Power Equipment Manufacturing Co.,Ltd Add: No. 10, Kechuang Road, High-tech Zone, Nanning, Guangxi, China Tel: +86 13481024441 Fax: +86 771 5805 259

Web: www.dbdieselgenerator.com

Email: dingbo@dieselgeneratortech.com