

Model:DB-350GF 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

350KW 438KVA Diesel Generator Set Datasheet		
Genset model	DB-350GF	
Prime power	350kW	
	438kVA	
Standby power	400kW	
	500kVA	
Rated voltage(V)	400/230 (customizable)	
Rate current(A)	630A	
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 \rightarrow +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	3050*1250*2100	3680	Without
Silent Type	4300*2100*2350	4800	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	WP13D440E310
Engine output-prime	392kW
Engine output-standby	440kW
Frequency:	50Hz
Speed:	1500rpm
Cylinders no. & Type:	6 cylinders, In line, 4 stroke, diesel engine, water-cooled
Aspiration:	Turbocharged and aftercooled
Bore*stroke	127*165mm
Displacement	12.54L
Compression Ratio	16:1
Governor	Electronic speed governor
Starter motor voltage:	24V DC
Type Injection System:	direct injection
Battery charger current	55A
Oil capacity:	30L
Cooling way	Water Radiator & fan
Coolant capacity of the engine:	25L
Thermostat opening temperature/full open temperature	76/88°C
Max. fuel inlet temperature	70°C
Fuel supply flow	77.1~89kg/h

Heavy duty diesel engine

- Anti-vibration mount
- Replaceable fuel filter, oil filter & air filter
- Starter battery (with lead acid,free-maintenance)Flexible fuel connection hoses
- Exhaust silencer and bellows
- Cooling radiator and fan
- 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

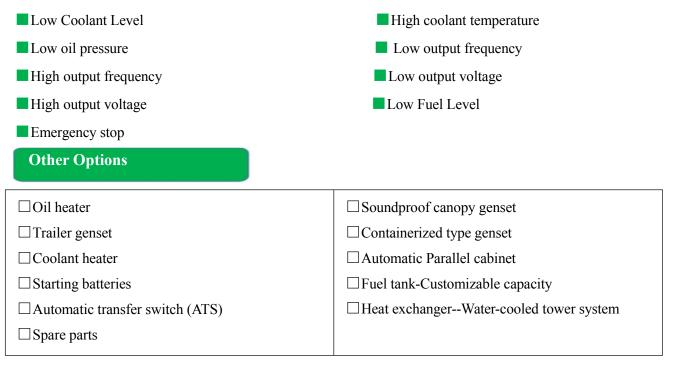


Operating Environment		
Operating temperature:	-25°C~70°C	
Relative humidity:	95%	
Operating voltage:	DC24V(range: 8-35V)	

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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