

# Model:DB-350GF Powered by Cummins



### **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 Specifications		
Genset model	DB-350GF	
Prime power	350kW	
-	438kVA	
Standby power	385kW	
	481kVA	
Rated voltage(V)	400/230 (customizable)	
Rate current(A)	630	
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° 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	3250*1360*1900	2700	Without
Silent Type	4150*1560*2100	4500	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**

Chongqing Cummins Engine Co.,Ltd
6ZTAA13-G2
390kW
415kW
50Hz
1500rpm
6 cylinders, Inline, 4 stroke, diesel engine,
water-cooled
Turbocharged and Charged Air Cooled
130*163mm
13L
17:1
Electronic speed governor
24V DC
Direct injection
121°C
45.42L
Water Radiator & fan
23.1L
82-94°C
95.8L/h
89.1L/h
65.1L/h
43.2L/h
23.6L/h

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
Rotor:	Single/double bearing
Efficiency:	95%
Regulator:	AVR
Recovery time(Tr)	1s
Waveform : TIF	<50
Waveform : THF	<2%
Overload	110% rated load for 2 hour per 24 hour

**Control System** 

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

**Origin: China** 

**Automatic controller** 

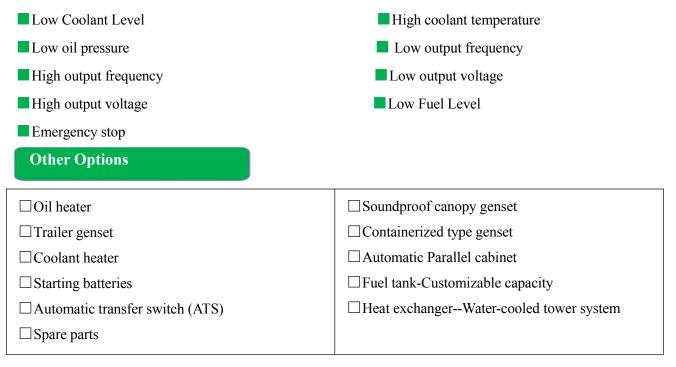


Operating Environment		
Operating temperature:	-25°C~70°C	
Relative humidity:	95%	
Operating voltage:	DC24V(range: 8-35V)	

#### **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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