

Model:DB-2000GF 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

2000KW 2500KVA Diesel Generator Set Specifications		
Genset model	DB-2000GF	
Prime power	2000 kW	
-	2500 kVA	
Standby power	2200 kW	
	2750 kVA	
Rated voltage(V)	400/230 (customizable)	
Rate current(A)	3600 A	
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	$7600 \times 2800 \times 3200$	23800	Without
Silent Type	7700×2900×3500	24000	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	Yuchai
Model	YC16VC3000-D31
Engine output-prime	2005kW
Engine output-standby	2426kW
Frequency:	50Hz
Speed:	1500rpm
Cylinders no:	16 cylinders
Aspiration:	Naturally Aspirated
Bore*stroke	200*210mm
Displacement	105.56 L
Compression Ratio	13.5 : 1
Governor	Electronic speed governor
Starter motor voltage:	24V DC
Type Injection System:	direct injection
Maximum Oil Temperature	121℃
Cooling way	Water Radiator & fan
Coolant Capacity	610L
Standard Thermostat	83-95 ℃
Fuel consumption-prime power (110%)	566.7 L/h
Fuel consumption-prime power (100%)	493.9 L/h
Fuel consumption-prime power (75%)	376.4 L/h
Fuel consumption-prime power (50%)	269.3 L/h
Heavy duty diesel engine	Starter battery (with lead acid, free-maintenance)
Anti-vibration mount	Flexible fuel connection hoses
Replaceable fuel filter, oil filter & air filter	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
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

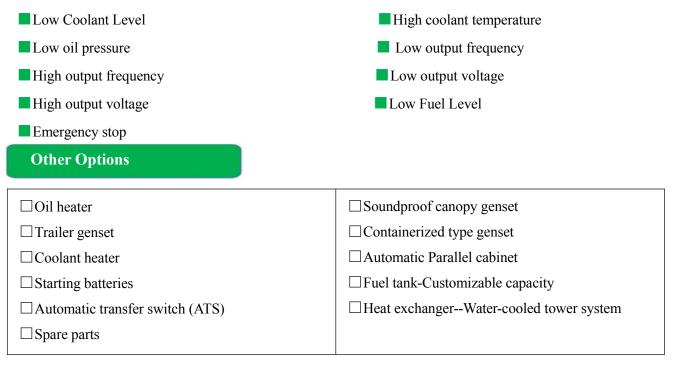


Operating Environment		
Operating temperature:	-25°C~70°C	
Relative humidity:	95%	
Operating voltage:	DC24V(range: 8-35V)	

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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