

MODEL	KH-C 64 GF				
Prime Power (50Hz)	64 KW	80 KVA			
Standby Power (50Hz)	70.4 KW	88 KVA			

Standard Features

General Features:

- ♦ Engine (DCEC Cummins 6BT5.9-G2)
- Radiator 500C max, fans are driven by belt, with safety guard
- ◆ 24V charge alternator
- ◆ Alternator: single bearing alternator IP23, insulation class H/H
- Absorber
- ◆ Dry type air filter, fuel filter, oil filter
- ◆ Main line circuit breaker
- ♦ Standard control panel
- ◆ Two12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphon, flange,muffler
- ◆ User manual



Generator Ratings

Volta	ge(V)	Hz	Phase	P.F (cos⊄)	Prime Amps (A)		Ratings V/KVA)
440	254	50	3	0.8	104.98	64	80
415	240	50	3	0.8	111.30	64	80
400	230	50	3	0.8	115.47	64	80
380	220	50	3	0.8	121.55	64	80

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97 (eqv ISO8528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Standard Features

Kaihua Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested. Warranty is according to our standard conditions: a, 12 months, counted on the day KAIHUA sold to the first buyer; b, One year after installation; c, 1000 running hours (accumulated); subject to the earlier one. Service and parts are available from kaihua Power or distributors in your location.

ENGINE DATA

Manufacturer / Model:
Air Intake System:
Fuel System:
Cylinder Arrangement:
Displacement:
Bore and Stroke:
Compression Ratio:
Rated RPM:
Max. Standby Power:
Governor Type:

DCEC Cummins 6BT5.9-G2, 4-cycle
Turbo
AD type fuel pump
6 in line
5.9L
102*120 (mm)
17.5:1
1500rpm
92KW/125HP

Electronic Speed Control System/RSV Mechanical



Exhaust system

Exhaust Gas Flow: 16.8m3/min Exhaust Temperature: 565° C Max Back Pressure: 10kPa

Air Intake System

Max Intake Restriction: 6.35kPa
Burning Capacity: 6.48m3/min
Air Flow: 158m3/min

Fuel System

 100%(Prime Power) Load:
 214 g/Kw.h

 75%(Prime Power) Load:
 216 g/Kw.h

 50%(Prime Power) Load:
 217 g/Kw.h

 110%(Prime Power) Load:
 21L/h

Oil System

Total Oil Capacity: 16.4L
Oil Consumption: ≤4g/kwh
Engine Oil Tank Capacity: 14.2L
Oil Pressure at Rated RPM: 345kPa

Cooling System

Total Coolant Capacity: 27L Thermostat: 82-95 $^{\circ}$ C Max Water Temperature: 104 $^{\circ}$ C

ALTERNATOR SPECIFICATION

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

Alternator Data

Manufacturer: STAMFORD/MARATHON/KAIHUA

Number of Phase: 3

Connecting Type: 3 phase and 4 wires,"Y" type connecting

Number of bearing 1
Power factor 0.8

Protection grade IP23 option,upon request Altitude \leq 1000m

Exciter type Brushless,self-exciting
Insulation class H

Telephone influence factor(TIF) \$50

THF \$2%

Alternator Capacity: 80 KVA
Alternator Efficiencies 85%
Air Cooling Flow: 0.09m3/s

GENERATING SET DATA



Frequency Waving: Sudden Frequency Warp: Transient frequency deviation: Frequency Recovery Time: ≤1.5% ≤+12% ≤-10% ≤5S

Standard Features

 ◆Standard Auto Control System
 ◆MCCB
 ◆Special tool

 ◆Starting batteries
 ◆ Battery switch
 ◆Oil Drain Valve

 ◆Exhaust System
 ◆Shock pad
 ◆Documents

Options

ENGINE ALTERNATOR ELECTRICAL SYSTEM

♦ Engine Heater ♦ Alternator Heater ♦ Remote Control Panel

♦ Battery Charger ♦ PMG ♦ Automatic Transfer Switch

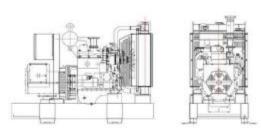
♦ Air preheater ♦ Paralleling System

TYPE OTHER

◇Rainproof Type◇Spare Parts◇Soundproof Type◇Daily Fuel Tank

♦Trailer Type

Dimension & Weight



Open Type

Overall Size: 2160(mm) × 800 (mm) × 1380 (mm)

Weight: 1040kg

Soundproof Type

Overall Size: 2800 (mm) x1100 (mm) x1660 (mm)

Weight: 1550kg

Trailer Type

Overall Size: 3010 (mm) ×1640 (mm) ×2320 (mm)

Weight: 2200kg

Standard Control Panel



KAIHUA uses micro processing technique integrating digital,intelligent and network techniques which can carry out functions including auto start/stop, data measure, alarming. The controller uses LCD display, optional Chinese and English display interface with operation easy and reliable. It can be widely used in all types of generator automatic control system for compact structure, advanced circuits, simple connections and high reliability

Auto Module Control Panel





Auto Module Control Panel is the configuration for nobody on duty controlling generators. This kind of panel adopts auto module control system, with large LCD display to show the menu.

Features: MRS10-can receive remote output signal from ATS and realize auto start and stop of

generators.MRS16-can realize all functions of MRS10, add RS232 interface which can communicate with PC to realize remote operation.AMF25-Auto Mains Failure controller, can realize all functions of MRS16, furthermore can detect ATS and control directly

Typical Projects



100 units cummins gensets exported to Asia



5 units cummins gensets exported to Angola



50 units cummins gensets exported to Pakistan

Test Center







