

MODEL	KH-C 200 GF				
Prime Power (50Hz)	200 KW	250 KVA			
Standby Power (50Hz)	220 KW	275.00 KVA			

#### **Standard Features**

#### General Features:

- ♦ Engine (DCEC Cummins 6LTAA8.9-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	328.05	200	250
415	240	50	3	0.8	347.81	200	250
400	230	50	3	0.8	360.85	200	250
380	220	50	3	0.8	379.85	200	250

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 6LTAA8.9-G2, 4-cycle
Turbo, Air/Air Cooling
P7100 type fuel pump
6 in line
8.9L
114\*145 (mm)
16:1
1500rpm
240KW/326HP
Electronic



#### **Exhaust system**

Exhaust Gas Flow: 35m3/min Exhaust Temperature: 470 °C Max Back Pressure: 10.1kPa

### Air Intake System

Max Intake Restriction: 6.2kPa
Burning Capacity: 13m3/min
Air Flow: 326m3/min

#### **Fuel System**

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

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

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

 110%( Prime Power) Load:
 50L/h

## Oil System

Total Oil Capacity: 27.6L
Oil Consumption: ≤4g/kwh
Engine Oil Tank Capacity: 24L
Oil Pressure at Rated RPM: 276-414kPa

#### **Cooling System**

Total Coolant Capacity: 41L 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

 $\begin{array}{ccc} \text{Protection grade} & \text{IP23 option,upon request} \\ & \text{Altitude} & \leqslant 1000\text{m} \end{array}$ 

Exciter type Brushless,self-exciting Insulation class H

Telephone influence factor(TIF) <50

THF ≤2%
Alternator Capacity: 250 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

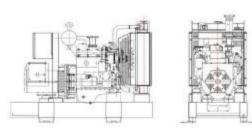
♦ Battery Charger ♦ PMG ♦ Automatic Transfer Switch

♦ Air preheater ♦ Paralleling System

TYPE OTHER

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

## **Dimension & Weight**



# Open Type

Overall Size: 2640(mm) × 970 (mm) ×1450 (mm)

Weight: 2000kg

Soundproof Type

Overall Size: 3300 (mm) ×1400 (mm) ×1870 (mm)

Weight: 2900kg

Trailer Type

Overall Size: 4390 (mm)  $\times 2150$  (mm)  $\times 2510$  (mm)

Weight: 3900kg

#### **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**







