



# DUST COLLECTOR (GHXLD-1.5-A)

(Suitable for India)

## Service Instructions



Please read the instructions carefully  
before using.



南京固華機電科技有限公司

NANJING GUHUA ELECTROMECHANICAL TECHNOLOGY CO., LTD.



Management System Certification

**QUALITY MANAGEMENT SYSTEM  
CERTIFICATION CERTIFICATE**

**NANJING GUHUA ELECTROMECHANICAL  
TECHNOLOGY CO., LTD.**

No.16, Chenlv Road, Xiongzhou Industrial Park, Luhe District,  
Nanjing, P.R.China Zip Code.211500

**The Quality Management System Conforms to the Standard  
ISO9001:2015**

Certified Scope:

Manufacture Of Grinding Tools & Equipments

Unified Social Credit Code: 91320116MA1NKDQ18G

Registration No.: UQ172020R001

Issuing Date: 25 Dec 2017

Expiration Date: 24 Dec 2020



*Chen*  
Issued By: \_\_\_\_\_



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The certified organization should accept regular surveillance, if the surveillance are qualified, the certificate will sustain effective

Address: 17/F, Building 3 (Triumph Centre), 170 Beiyuan Road, Chaoyang Dist., Beijing P.R.China Postcode: 100101 Tel: 010-84850008 Web Site: www.uico-web.com

This certification information can be queried on the CNCA official website (www.cnca.gov.cn)



Dear Client:

Thank you for purchasing and using Guhua dust collector. In order to ensure your safety and proper use, maintenance of this equipment, please carefully read the following before using:

## 1. Overview

Guhua dust collector is an air purification equipment specially developed for the dust particles generated in the production process of the burr grinding equipment in the foundry industry. It has a simple structure, good stability and high cost performance.

## 2. Operational Principle

Dust-containing gas enters the filter room through the air intake pipe. The dust is blocked by the fiber filter bags. The purified gas escapes the bags and is discharged through the exhaust pipe. The dust on the filter bags can be cleaned manually, and the cleaned dust falls into the dust box.

## 3. Main Technical Parameter

Model: GHXLD-1.5-A

Rated Power: 1.5KW

Rated Voltage: 440V

Frequency: 50HZ

Rated Speed: 2900r/min

Flow Rate: 1150m<sup>3</sup>/h

Pressure: 2.4kPa

## 4. Structure Characteristic

- 1) The outer shell of the dust collector is made of welded steel plates, and the fan room, air purification room and filter room are isolated from each other, which effectively reduces the operation noise of equipment.
- 2) Overload and overheat protection function: under the circumstances of motor overload and overcurrent, the thermal relay will be automatically disconnected to protect the motor.
- 3) Manual dust removal, stripping the dust around the filter bags, effectively ensuring the efficiency of dust removal.
- 4) The material of filter bags is made of synthetic fiber made by needle punching film technology.





**PIC 1. Dust Collector Structure**

**1. Dust Box 2. Filter Bags & Keels 3. Dust Stick 4. Draught Fan**

**A. Filter Room B. Air Purification Room C. Draught Fan Room**

## **5. Equipment Installation**

1) Electrical connections: Wiring according to the electrical schematic diagram provided by our company, the capacity of electrical components must ensure full load operation at rated voltage.

**Note:** Electrical connections must be made by qualified personnel in accordance with relevant regulations.

2) Be sure to cut off the power before any maintenance.

3) The dust collector shell should be grounded.

## **6. Equipment Operation**

1) Before starting the equipment, check that the electrical connections are normal, the fastening screws of the fan are not loose, and the filter bags are not damaged. Start the equipment after closing the door of each room.

2) When the dust collector is shut down or stopped working for a long time, the dust in the filter room should be cleaned in time, and the electrical switch should be turned off to avoid abnormal startup.

## 7. Equipment Application



## 8. Repair and Maintenance

- 1) Filter bags cleaning: Every 4 hours of continuous use of the dust collector requires manual dust removal and continuous dusting 3-5 times to remove the dust attached to the surface of the filter bags in time to prevent clogging of the air holes of the filter bags and reduce the dust removal efficiency of the equipment.
- 2) Filter bags removal: Turn off the power of the equipment, wear protective work clothes correctly, and lay relevant protective measures around the equipment to avoid secondary pollution caused by dust. Consult with the local Environmental Protection Department and dispose of the waste filter bags in a timely manner.
- 3) Filter bags installation: Put the filter bag into the hole of the filter bag connection plate, put into the filter bag skeleton, and then fasten the filter bag on the steel plate of the filter chamber with screws.
- 4) Abnormal noise, vibration, overheating and other abnormal phenomena occur during the use of the equipment. Please stop the machine immediately and check it. If the draught fan is damaged, please contact our company in time to eliminate the fault.

**Note: Open flames are strictly prohibited when operating in dusty environments.**

**FILTER BAG INSTALLATION METHOD**

1. Prepare the cloth bag, fixing plate, keel.



2. Pass the cloth bag through the hole of fixing plate.



3. Put the card slot into the hole of fixing plate.



4. Bend the card slot inward.



5. Align the card slot with the hole of fixing plate.



6. Adjust the position of the card slot.



7. Press the card slot.

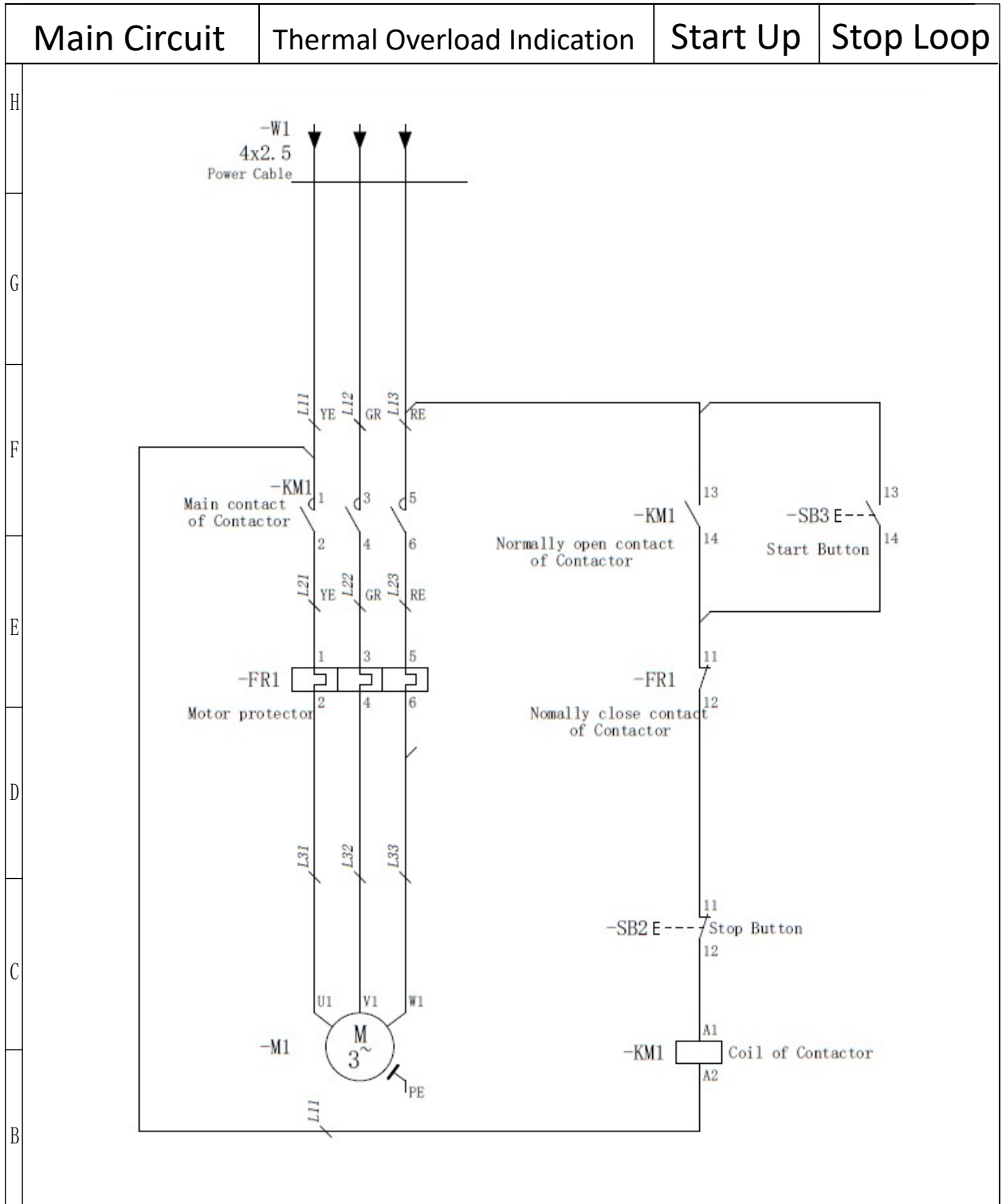


8. Confirm that the card slot is in place.



9. Insert the keel.

## Appendix: Electrical Schematic of Dust Collector GHXLD-1.5-A



NO.	Cd	Designation	Specification Model	Quantity	Remarks	Electrical Schematic
5						NANJING GUHUA ELECTROMECHANICAL TECHNOLOGY CO., LTD.  Model: 1.5KW Three-phase Motor Starter Box Drawing No.: GHXLD-1.5-A
4	FR1	Thermal Overload Protector	JRS2-12PS-4	1		
3	KM1	AC Contactor	CJx2S-09	1	Line Graph AC440V	
2	SB3E	Button	LAY5S-B-A-31	1	Green	
1	SB2E	Emergency Stop Button	LAY5S-B-L-42	1	Emergency Stop	



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