



**DUST COLLECTOR
5 HP – 5 ENTRIES**

INSTRUCTION MANUAL



Attention: Read this manual before using your product.

INSTRUCTION MANUAL

• Important information you should know:

The images in this manual are illustrative and meant to demonstrate the correct operation of your product, there may be small changes in relation to the images.

• Important Safety Instructions:

When working with machines, always follow the safety precautions to reduce risks and injury.

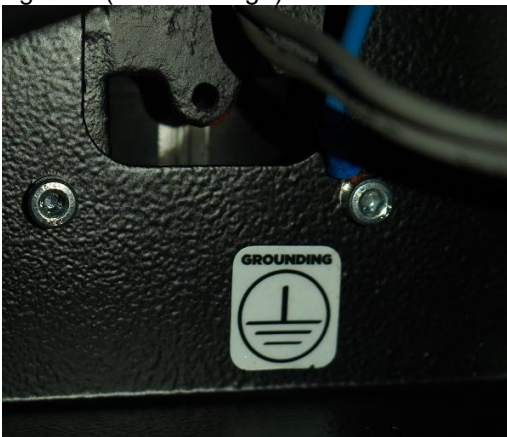
READ THE INSTRUCTIONS

ATTENTION: During maintenance or repairs, replace worn or damage part with identical manufacturer parts. Repair or replace any damage wiring.



GROUNDED WIRING SYSTEM

This Dust Collector must be connected to a grounded wiring circuit or to a system with an equipment grounding conductor. In event of a malfunction, a good ground provides a path of least resistance for the electric current. To reduce the risk of electric shock, this Dust Collector is equipped with an electrical cord with a (Blue Wire) grounding wire. (see last Page)



If repair or replacement of the electrical cord or plug is necessary, do not connect this equipments grounding wire to a live terminal. Check with qualified electrician or service personnel if the grounding instructions are not completely understood or in case of doubts whether the Dust Collector is properly grounded. Use only 3 phase extension cords that have 3 hot wires a ground wire. Confirm that the plug for your Dust Collector is compatible with the 3 phase receptacle it will plug into.

• REPAIR OR REPLACE A DAMAGE OR WORN CORD IMMEDIATELY. During maintenance or repairs, use only identical replacement parts.

- USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy-duty enough to carry the current your Dust Collector will draw.
- An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. For cord length of up to 50 feet, use a cord of 14 gauge. For a cord length of 50 to 100 feet, use a cord of 12 gauge. A cord length over 100 feet is not recommended, in case of doubts, use the next heavier gauge. The smaller the gauge number, higher the amp rating.
- No adapter is available nor should be used with this Dust Collector. If the machine must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after reconnection, the dust collector should comply with all local codes and ordinances.

WARNINGS

- Keep a clean work space. Cluttered or dark areas can cause accidents.
- Do not use the Dust Collector in hazardous environments. Do not use the machine in damp or wet locations, do not expose to rain. Keep well-lit work area.
- Keep children away. Visitors should be kept at a safe distance from work area.
- Make the workplace safe, using padlocks, master keys to prevent unintended start of your equipment.
- Do not force tool, It will perform the job better and safer if used as intended.
- Use appropriate PPE. Do not wear loose clothing, gloves chain, rings, bracelets or other accessories that could become caught in moving parts.
- It is recommended wearing shoes with non-slip soles. Use hair PPE to prevent it from getting caught in moving parts.
- Always wear safety glasses and hearing protection.
- Do not overreach on the equipment. Maintain balance with feet in a comfortable position at all times.
- Unplug the machine before servicing or changing part such as eletrical components, impeller etc.

- Reduce the risk of unintentional starting. Ensure that the switch is in the “OFF” position (off) before connecting the wire to the plug.
- Never step on the machine, serious injury may occur if the machine is dented or if parts are accidentally compromised.
- Check for damaged parts, before continuing the use of the Dust Collector. A guard or other part that is damaged should be examined carefully to determine whether it is performing its function properly.

Check the alignment of moving parts, damaged parts, mounting and any other condition that may affect its operation. Any part that is damaged should be repaired or replaced immediately. Do not use the tool if the power switch does not operate as intended.

- Never leave a running tool unattended. Turn off the power switch.
- The motor of this machine can emit sparks, and ignite flammable gases.
- Extension cables. When using an extension, be sure your extension cord is in good condition. Make sure it is rated for the electrical current required by your product. An undersized cord will cause voltage drop resulting in a loss of power and overheating. Consult an electrician to know the correct size needed for your shop. If you have any doubt, use a cable with a higher amp rating. **IMPORTANT:** Do not use an extension cord with length above 60 feet.

Additional safety rules for Dust Collector:

CAUTION: Failure to attend these warnings may result in personal injury and serious damage to the machine.



ALWAYS USE PROPER PROTECTIVE EQUIPMENTS TO OPERATE THIS MACHINE.

- Keep guards in place and working conditions;
- Protect the electric power supply line with at least a 30-amp fuse or circuit break switch.

- Make sure that the impeller is turning in the correct direction.
- Make sure that the knobs and screws are properly tightened and secure before starting any operation.
- Keep vents free of chips and saw dust.
- Keep hands away from moving or sharp parts.
- Turn off the machine and unplug the power cord before performing maintenance or adjustments on the tool.
- Do not attempt to operate the machine in another voltage beyond designated.
- Do not modify equipment.
- Do not apply lubricant to the tool while in use.
- Do not operate while equipment is under repair.
- Do not put your hands near impeller nor shaft while in use.
- Do not put your hands in enclosed parts of the machine unless it is turned off and unplugged.
- Do not use lubricants or cleaners (particularly sprays and aerosols) in the vicinity of the plastic guard. The polycarbonate material used in the guard is sensitive to certain chemicals.

WARNING: Some dust created by the act of sanding, cutting, grinding, drilling and other construction related activities contains chemicals that can cause cancer, birth defects or other reproductive harm.

Some examples of these products are: lead-based paint, crystal silica bricks, concrete and other masonry products; and arsenic and chromium from chemically treated wood.

CAUTION: Do not connect the unit to the power outlet until all instructions have been read and understood. Always tighten the adjustment tabs before using the machine. Think: “how I can prevent accidents?”. Do not operate the machine unless the guards are in their proper places. Always use protective goggles.

ELECTRICAL CONNECTION

The Dust Collector has 3 phase 5HP 220V motor. To avoid risk of burning out the motor, check the voltage of your outlet before starting the machine. If necessary change your power supply with help from a specialist. Ensure that your power supply is in accordance with local regulations. A 10% decrease in voltage or

more will cause loss of power and overheating. All equipment Maksiwa are tested at the factory. If this machine does not work, check the electrical supply. Check the compatibility of your outlet and plug the machine. Do not do patches and adaptations. To avoid electrical shock and damage to the equipment always ground the machine.



FAMILIARIZATION

Put the machine on a smooth and flat surface. Check the pictures and watch the descriptions to familiarize yourself with its components. The next section will deal with the necessary adjustments for the proper functioning of the machine. You should know these parts and will need to know where they are.



Remove the screws from the bottom of the wooden box so that you can remove the cover completely. Ask a friend for help and remove the cover carefully:



Remove all parts of the package and arrange on a surface to familiarize yourself with the components before starting the assembly:



Also remove the straps that will be used later:



Specifications:

- Power: 5HP (3675 Watts)
- Voltage: 220V - 3 Phases - 10 Amps
- Bag Volume: 400L (14.13ft³)
- Number of Entries: 5
- Size of Entries: 4" each
- Air Suction Capacity: 3,001 ft³/min
- Height: 90-5/32"
- Net Weight: 109 Kg (240 Pounds)

Transport and Installation

By ergonomic issues, this equipment must be carried with forklift, pallet jack or similar equipment. For packing purposes, the machine is not fully assembled. If you notice any damage caused by transportation, while you open the package, notify your supplier immediately. Do not operate the machine. Dispose the packing in a friendly way with the environment. The Dust Collector is designed to operate indoors and should be placed on a firm, stable and level surface.

CAUTION: To prevent the machine from moving and causing damage to surrounding equipment, ensure that the feet are evenly adjusted.

ASSEMBLY

Due to modern mass production techniques, the 5HP DUST COLLECTOR is unlikely to be defective or have missing parts. If you find anything wrong, do not operate the machine until parts are replaced or the fault is corrected. By doing this you avoid severe bodily injury.

1. Your machine come wrapped and in a crate. Accompanied by a kit of : 4 Legs, 5 port splitter, 4 filter bags, 2 sleeves, 1 filter holder hanger, 6 straps, 12 screws and 12 washers.



2. Install the four legs by removing the screws that are already tapped in the machine, positioning and tightening them according to the image below:



3. With help of someone turn the dust collector to the correct position, as shown below images:



4. If necessary, adjust the feet attached under each leg:



5. Insert the filter hanger into the hole in the center of the Dust Collector:



6. To assemble the 5 port splitter, apply silicone to the area around the main orifice then use the 12 piece hardware kit to fasten the port splitter to the main orifice (silicone not included):





7. Feed the strap through the bag in the indicated place, as shown below (repeat this process four times):



8. Slide the filter bag loop over the hanger hook (repeat this process twice):



9. Attach the bags to the center flange (repeat this process twice for each bag):



10. If you use drums, fasten the sleeves to the dust collector flange and place the drum underneath, then fasten the bottom of the sleeve to the steel drum. (**drum not included**).





OPERATION

Operations performed by the 5HP Dust Collector, as with any other machine, may pose a risk to the operator if the instructions in this section are not taken into account.

These instructions are written with the understanding that the operator has the knowledge and skills necessary to operate this machine. If you ever have difficulty performing any operation, stop using the machine.

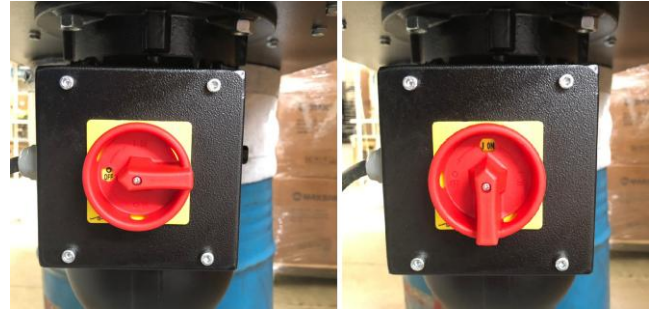
If you are an inexperienced operator, we recommend that you read the manual, technical articles, or seek the training of an experienced operator before performing any unknown operations.

The machine must operate with all protections and safety systems that come from the factory. Above all, your safety must come first.

1. ON/OFF

Before starting the machine check that the filters are securely attached.

The switch that turns on the machine is the same as the power button. So switch it to on and the machine will start work or shut down completely.



2. Turn on the machine and quickly turn it off, check the impeller looking into the 5 port splitter and confirm if the motor is spinning in the correct direction, as the sign bellow indicates:



In case of the motor is spinning in the wrong direction, invert the phase wire at the junction box. Please repeat the previous step and check if it is spinning in the correct direction.

NOTE: If the collector operates in a wrong rotation, there will be loss of efficiency and possible motor overload, and there may be permanent damage to the machine.

CAUTION: Never put your hand into the volute with the machine running.

3. HOSE CONNECTION

Connect the hoses to the port at the 5 port splitter. Avoid bending or kinking the hoses. Maximum hose length is 100ft (30 meters).

CAUTION: Never put your hand into the suction hose with the machine running.

MAINTENANCE



IMPORTANT: Never perform a maintenance on this machine before turning switch off and

removing plug from power source. Failure to comply may cause serious injury.

GENERAL

Periodic maintenance on your 5HP Dust Collector will ensure optimum performance. Make a habit of inspecting your machine each time you use it.

This section covers the most common service adjustments or procedures that may need to be made during the life of your machine.

Verify that the following components are inspected before operating the machine:

- Loose screws or bolts.
- Worn switches or buttons.
- Worn or damaged cables, plugs, or outlets.
- Cleaning the filtration bags.
- Any other conditions that could impair the safe operation of this equipment.

CLEANING

Cleaning your 5HP Dust Collector is relatively easy. Wipe off the dust with a dry cloth. If there is any residue, use a resin remover and a clean cloth to remove it.

- Dust off and around the machine.
- Check for excess dust in the filters and reservoirs. The bags accompanying the equipment are washable and require weekly cleaning according to the usage.
- Check for wear or damage to buttons and power cord.

WARRANTY TERMS

Assure to the owner of his equipment, identified by the date of issue of the purchase invoice, a warranty of one (2) year, as follows:

1. The warranty period begins on the date of the commercial invoice.
2. Within the warranty period, the hand labor and the components replaced by manufacturing defect will be provided for free as long as duly proved by MAKSIWA Service.
3. Third-party manufacturing equipment that makes up the MAKSIWA equipment (such as motors, electrical equipment, belts etc.) are subject to the terms and conditions of warranty of their respective manufacturers.

4. In case of exchange for the warranty, please return the defective part to the manufacturer urgently.

5. Costs and risks of transport will be assumed by the machine owner.

6. Equipment installation expenses and workplace adaptations are assumed by the machine owner.

7. When you notice any defect or malfunction when receiving the equipment, get in touch immediately with the manufacturer or resaler. Do not operate it.

8. Not included in this warranty technical visits aimed at cleaning or adjustments caused by wear, resulting from normal use of the equipment.

9. The warranty does not cover problems caused by mistreatment, carelessness, misuse or inappropriate use of the functions designed for this equipment in this manual, as well as poorly executed operations by untrained operators to operate it.

10. MAKSIWA is not responsible for loss of productivity directly or indirectly caused by damages to or by the owner of the equipment, by third parties, or any other expense, including lost profits.

11. Even under warranty, you may lose its validity as follows:

- a) Application of non-original components;
- b) Alteration of its original features;
- c) Lack of proper maintenance;
- d) Improper use of the equipment;
- e) Change in equipment or electronic connections;
- f) Damage caused by mechanical shock or exposure to unsuitable conditions (humidity, salt spray, corrosive agents, etc.);
- g) Damage caused by bad weather (floods, flooding, lightning, power outages etc.).

For your safety, trust the repairs, maintenance and adjustments (including inspection and replacement) to technical assistance recommended by MAKSIWA, always use genuine spare parts and accessories, reassembling to the original manufacturer equipment.

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