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HOLZMAN ABS 2480

Holzmann ABS 2480 Dust Collector User Manual

Model: ABS 2480

Brand: HOLZMAN

1. INTRODUCTION

Thank you for choosing the Holzmann ABS 2480 Dust Collector. This powerful and efficient dust extraction system is designed to maintain a clean and safe working environment by effectively removing wood chips, dust, and other particulate matter generated during woodworking operations. Its robust construction and high suction capacity make it suitable for both professional workshops and serious DIY enthusiasts. Please read this manual thoroughly before assembly, operation, or maintenance to ensure safe and optimal use of your machine.



Image: The Holzmann ABS 2480 Dust Collector, featuring its white filter bag, red housing, flexible intake hose, and transparent chip collection bag on a mobile chassis.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating any machinery. Adhere to the following general safety guidelines:

- **Read the Manual:** Familiarize yourself with all instructions and warnings before operating the dust collector.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, and a dust mask, especially when emptying chip bags or performing maintenance.
- **Electrical Safety:** Ensure the power supply matches the machine's requirements (230V or 400V). Do not operate with damaged cords or plugs. Disconnect power before any adjustments or maintenance.
- **Work Area:** Keep the work area clean, well-lit, and free from obstructions. Ensure adequate ventilation.
- **Stability:** Ensure the dust collector is placed on a stable, level surface. Utilize the mobile chassis for movement, but lock wheels during operation.
- **Foreign Objects:** Do not allow metal objects, large debris, or flammable materials to be drawn into the system.
- **Supervision:** Never leave the machine unattended while it is running.
- **Maintenance:** Perform regular maintenance as described in this manual. Use only genuine replacement parts.

3. SETUP

3.1 Unpacking

1. Carefully remove all components from the packaging.
2. Check for any shipping damage. Report any damage to your supplier immediately.
3. Verify that all parts listed in the packing list are present.

3.2 Assembly

The Holzmann ABS 2480 comes with a mobile chassis and requires some assembly:

1. Attach the wheels to the base frame of the mobile chassis using the provided hardware.
2. Mount the main motor and fan assembly onto the chassis.
3. Connect the flexible intake hose to the fan inlet and the dust collection point.
4. Install the filter bag securely onto the top outlet of the fan housing. Ensure a tight seal to prevent dust leakage.
5. Attach the transparent chip collection bag(s) to the lower outlet(s) of the fan housing. Secure them with the quick-release clamps or straps provided.
6. Ensure all connections are tight and secure before connecting to power.

4. OPERATING INSTRUCTIONS

4.1 Before Operation

- Ensure all hoses and connections are securely fastened.

- Verify that the chip collection bag is properly installed and not full.
- Check that the filter bag is clean and free from obstructions.
- Confirm the power switch is in the "OFF" position before plugging in the unit.

4.2 Starting the Machine

1. Connect the power cord to a suitable electrical outlet (230V or 400V, as per your model).
2. Switch the machine to the "ON" position. The motor should start smoothly.
3. Allow the dust collector to reach full operating speed before starting your woodworking machine.

4.3 During Operation

- Monitor the chip collection bag and empty it before it becomes completely full to maintain optimal suction.
- Ensure the dust collector is running whenever the woodworking machine is in use to effectively capture dust and chips.
- Listen for any unusual noises or vibrations, which may indicate a problem.
- Do not block the intake opening.

4.4 Shutting Down

1. Turn off the woodworking machine first.
2. Allow the dust collector to run for a few more seconds to clear any remaining dust from the hoses.
3. Switch the dust collector to the "OFF" position.
4. Disconnect the power cord from the outlet.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Holzmann ABS 2480.

5.1 Regular Cleaning

- **Empty Chip Bags:** Regularly empty the chip collection bags. The 300-liter volume allows for long intervals, but frequent emptying maintains optimal suction.
- **Clean Filter Bag:** Periodically shake or brush the filter bag to dislodge accumulated dust. For thorough cleaning, remove the filter bag and clean it outdoors or in a well-ventilated area.
- **Inspect Hoses:** Check the intake hoses for blockages or damage. Clear any obstructions promptly.

5.2 Filter Replacement

Over time, the filter bag may become less effective. Replace it when you notice a significant reduction in suction power despite regular cleaning.

- Ensure the machine is unplugged.
- Carefully remove the old filter bag.
- Install a new, genuine Holzmann replacement filter bag, ensuring it is securely fastened and sealed.

5.3 General Care

- Inspect electrical cords and connections for wear or damage.

- Check the condition of the mobile chassis wheels and ensure they roll freely.
- Keep the exterior of the machine clean.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your dust collector.

Problem	Possible Cause	Solution
Machine does not start	No power supply; Faulty switch; Motor issue	Check power cord and outlet; Test switch; Consult qualified technician
Low suction power	Full chip bag; Clogged filter bag; Blocked hose; Leaks in system	Empty chip bag; Clean/replace filter bag; Clear hose blockages; Check all connections for leaks
Unusual noise/vibration	Loose components; Debris in impeller; Worn bearings	Tighten all fasteners; Inspect impeller for foreign objects (unplug first!); Consult qualified technician
Dust escaping from unit	Improperly sealed filter/chip bag; Damaged filter bag	Ensure bags are securely fastened; Replace damaged filter bag

7. TECHNICAL SPECIFICATIONS

The following are the key technical specifications for the Holzmann ABS 2480 Dust Collector:

Specification	Value
Suction Capacity	2480 m ³ /h
Chip Bag Volume	300 Liters
Chip Bag Diameter	500 mm
Chip Bag Length	1480 mm
Impeller Diameter	305 mm
Extraction Port(s)	2 x 100 mm
Motor Power S1 (100%) / S6	1.1 kW / 1.5 kW
Motor Speed	2950 U/min
Mains Voltage	230V or 400V
Overall Height	2000 - 2400 mm

Specification	Value
Net Weight	44 kg
Shipping Weight (approx.)	46 kg

8. WARRANTY AND SUPPORT

Your Holzmann ABS 2480 Dust Collector is manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or contact your authorized Holzmann dealer or the point of purchase.

For technical support, spare parts, or service inquiries, please contact your local Holzmann service center or the retailer from whom you purchased the product. Always provide the model number (ABS 2480) and serial number (if applicable) when seeking assistance.