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Dayton 10D973

Dayton 10D973 Commercial Direct Drive Exhaust Fan User Manual

Model: 10D973

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Dayton 10D973 Commercial Direct Drive Exhaust Fan. Please read this manual thoroughly before attempting to install or operate the fan. Retain this manual for future reference.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when installing, operating, and maintaining this product to reduce the risk of fire, electric shock, or injury to persons.

- **Electrical Safety:** Ensure the power supply matches the fan's requirements. Disconnect power before servicing or cleaning. All electrical wiring must be performed by a qualified electrician and comply with local codes and ordinances.
- **Installation:** Mount the fan securely to a structurally sound surface capable of supporting its weight. Do not install in locations where flammable or explosive gases may be present.
- **Operation:** Keep hands, clothing, and other objects away from moving parts. Do not operate the fan with damaged wiring or if it is not functioning correctly.
- **Maintenance:** Only use genuine Dayton replacement parts. Refer to the maintenance section for proper cleaning and inspection procedures.

SETUP AND INSTALLATION

This section outlines the steps for properly setting up and installing your exhaust fan.

1. Unpacking and Inspection

Carefully remove the fan from its packaging. Inspect for any shipping damage. Ensure all components are present according to the packing list. If any damage or missing parts are found, contact your supplier immediately.

2. Mounting the Fan

The Dayton 10D973 is designed for wall mount installation. Select a location that provides adequate structural support and allows for proper airflow and exhaust. Use appropriate fasteners for the wall material.



Figure 1: Illustration of the Dayton 10D973 exhaust fan securely mounted to a wall. The diagram highlights the mounting points and recommended clearance for optimal performance.

3. Electrical Connection

This fan operates on a corded electric power source. Ensure the power supply is disconnected before making any electrical connections. Connect the fan's wiring to the appropriate power source according to local electrical codes. A qualified electrician should perform this step.

OPERATING INSTRUCTIONS

Follow these steps to operate your Dayton 10D973 exhaust fan.

1. Power On/Off

Once properly installed and connected to power, the fan can be turned on or off using the integrated button control. Press the power button to start the fan. Press it again to turn it off.

2. Control Methods

The fan features a button control for direct operation. Additionally, the fan supports app control, allowing for remote operation and potentially advanced settings via a compatible mobile application. Refer to the app's specific instructions for pairing and usage.



Figure 2: The button control interface on the Dayton 10D973 exhaust fan. This panel allows for direct power control.

3. Recommended Use

This fan is designed for exhausting air from commercial spaces. Ensure the area to be exhausted is clear of obstructions to allow for efficient airflow.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Dayton 10D973 exhaust fan. Always disconnect power before performing any maintenance.

1. Cleaning the Blades

The fan features plastic blades. Over time, dust and debris can accumulate on the blades, reducing efficiency. Periodically clean the blades using a soft cloth dampened with a mild detergent. Do not use abrasive cleaners or solvents.



Figure 3: A demonstration of cleaning the fan blades. Ensure the power is disconnected before attempting this procedure.

2. General Inspection

Regularly inspect the fan for any signs of wear, loose connections, or unusual noises during operation. Check mounting hardware for tightness. If any issues are detected, discontinue use and consult a qualified technician.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Dayton 10D973 exhaust fan.

Problem	Possible Cause	Solution
Fan does not turn on	No power supply Loose electrical connection Faulty control button	Check power outlet and circuit breaker. Ensure all electrical connections are secure. If button is faulty, contact support.
Reduced airflow	Dirty fan blades Obstruction in exhaust path	Clean fan blades as per maintenance section. Remove any obstructions from the exhaust path.
Unusual noise during operation	Loose mounting hardware Debris in fan housing Worn motor bearings	Tighten all mounting hardware. Disconnect power and inspect for debris. If noise persists, contact a qualified technician.

SPECIFICATIONS

Detailed technical specifications for the Dayton 10D973 Commercial Direct Drive Exhaust Fan.

Feature	Detail
Brand	Dayton
Model Number	10D973
Power Source	Corded Electric
Style	Modern
Recommended Uses	Exhausting
Mounting Type	Wall Mount
Controller Type	Button Control
Number of Blades	3
Specification Met	UL, cUL
Control Method	App
Manufacturer	CAI - DAYTON
Blade Material	Plastic
UPC	696333227452
Unit Count	1.0 Count
ASIN	B007PB2FW8
GTIN	696333227452

WARRANTY AND SUPPORT

The Dayton 10D973 Commercial Direct Drive Exhaust Fan comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Dayton website. For technical support, replacement parts, or service inquiries, please contact Dayton customer service through their official channels.

Online Resources: For additional information, FAQs, and product registration, please visit the Dayton official website.