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Fasco CECOMINOD075863

Instruction Manual for Fasco Electric Motor

Model: CECOMINOD075863 (Fasco Part Number D0343)
Brand: Fasco

Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fasco Electric Motor, model CECOMINOD075863 (Fasco Part Number D0343). This motor is a direct replacement for Penn Vent 56343-0, Magnetek/Universal JA2M414N JA2M414, AO Smith/Century OPV343, Dayton 2D067, and Zephyr Z6S/H. Please read this manual thoroughly before attempting any installation or operation.

Important Safety Instructions

Always observe the following safety precautions to reduce the risk of electric shock, injury, or fire:

- **Disconnect Power:** Ensure power is disconnected at the circuit breaker or fuse box before installing, servicing, or cleaning the motor.
- **Qualified Personnel:** Installation and wiring must be performed by a qualified electrician in accordance with all applicable codes and standards.
- **Proper Grounding:** The motor must be properly grounded to prevent electrical shock.
- **Ventilation:** Ensure adequate ventilation around the motor to prevent overheating.
- **Moving Parts:** Keep hands, hair, and loose clothing away from moving parts during operation.
- **Voltage Compatibility:** Verify that the supply voltage matches the motor's rated voltage (115 Volts).
- **Thermal Protection:** This motor is thermally protected. If it shuts off, allow it to cool down before attempting to restart.

Setup and Installation

Follow these steps for proper installation:

1. **Preparation:**
    - Ensure power is off at the main supply.
    - Gather necessary tools: screwdrivers, wire strippers, multimeter, mounting hardware.
    - Inspect the new motor for any visible damage.
2. **Mounting:**

    The motor features three mounting ears, measuring 6 inches apart center to center. Securely fasten the motor to the intended mounting surface using appropriate hardware. Ensure the motor is stable and free from vibration.



Figure 1: Fasco Electric Motor showing the main body, shaft, mounting ears, and electrical wiring with a Molex plug. The motor is black with a silver shaft extending from one end, and colored wires (red, white, black, green/yellow) exiting the other end, terminating in a white three-pin Molex plug and a separate ground wire.

3. **Wiring Connection:**

    This motor is equipped with a three-pin Molex plug and a separate ground wire. Refer to the connection diagram (if available on the motor label or in your equipment's manual) for specific wiring. The motor operates at 115 Volts and has two speeds.

    Typical Connection Diagram (refer to motor label for exact configuration):

    White: Common

    Black: High Speed

    Red: Low Speed

    Green/Yellow: Ground

    Ensure all connections are secure and insulated. The motor is designed for CW (Clockwise) rotation when viewing

the shaft end.

4. **Final Checks:**
    - Verify all connections are correct and tight.
    - Ensure no wires are pinched or exposed.
    - Confirm the motor shaft is free to rotate without obstruction.

Operating Instructions

Once installed and wired correctly, the Fasco Electric Motor is ready for operation.

1. **Power On:** Restore power to the circuit.
2. **Speed Selection:** This motor features two speeds (1050 RPM and 1550 RPM). The speed is typically controlled by the external wiring or a switch connected to the high and low speed wires (Black and Red, respectively).
3. **Monitoring:** During initial operation, observe the motor for any unusual noises, vibrations, or excessive heat.
4. **Continuous Operation:** The motor is designed for continuous duty within its specified parameters. Avoid operating the motor outside of its rated voltage and current.

Maintenance

The Fasco Electric Motor is designed for minimal maintenance. However, regular checks can extend its lifespan and ensure optimal performance.

- **Cleaning:** Periodically clean the exterior of the motor to prevent dust and debris buildup, which can impede cooling. Ensure power is disconnected before cleaning.
- **Inspection:** Regularly inspect wiring for signs of wear, fraying, or loose connections. Check mounting hardware for tightness.
- **Bearings:** This motor uses sleeve bearings, which are typically self-lubricating and do not require additional lubrication under normal operating conditions.
- **Ventilation:** Ensure that the motor's ventilation openings are clear and unobstructed.

Troubleshooting

If you encounter issues with your Fasco Electric Motor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Motor does not start	No power supply; Incorrect wiring; Thermal overload tripped; Seized shaft.	Check power source and circuit breaker; Verify wiring against diagram; Allow motor to cool and reset; Check for obstructions around the shaft.
Motor overheats	Insufficient ventilation; Overload; Incorrect voltage.	Ensure clear airflow around motor; Reduce load if possible; Verify supply voltage is 115V.
Excessive noise or vibration	Loose mounting; Damaged bearings; Obstruction.	Tighten mounting bolts; Inspect bearings (if accessible, otherwise consider replacement); Remove any obstructions.
Motor runs at wrong speed	Incorrect wiring for speed selection.	Re-check wiring connections for high and low speed terminals.

If the problem persists after attempting these solutions, contact a qualified technician or Fasco customer support.

Technical Specifications

Specification	Detail
Brand	Fasco
Model Number	CECOMINOD075863 (Fasco Part Number D0343)
Replacement For	Penn Vent 56343-0, Magnetek/Universal JA2M414N JA2M414, AO Smith/Century OPV343, Dayton 2D067, Zephyr Z6S/H
Motor Type	Shaded Pole
Horsepower (HP)	1/40 HP
Amperage	0.6 / 1.3 Amps
Voltage	115 Volts
RPM	1050 / 1550 RPM (Two Speed)
Rotation	CW (Clockwise) as viewing shaft end
Thermal Protection	Yes, Thermally Protected
Bearings	Sleeve Bearing
Shaft Dimensions	3/8 inch diameter x 5-1/2 inch length
Motor Diameter	3-1/3 inch
Wiring	Three Pin Molex Plug Attached, Ground Wire
Mounting	Three Mounting Ears, 6 inch Apart Center to Center

Specification	Detail
Material	Copper

Warranty and Support

For warranty information or technical support regarding your Fasco Electric Motor, please refer to the documentation provided with your purchase or contact Fasco customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Fasco Motors

Note: Specific warranty terms and contact details may vary. Please consult the official Fasco website or your product's packaging for the most current information.

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