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## LEUNGGOO DL1056

# LEUNGGOO DL1056 Blower Fan Motor Instruction Manual

Model: DL1056

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of the LEUNGGOO DL1056 Blower Fan Motor. This 1/2 HP, 1075 RPM, 3-speed, 115V motor is designed for various HVAC applications, offering reliable performance and compatibility with several existing systems.



## High Performance

Model No. DL1056

- Smooth Operation
- Quiet And Durable
- High efficiency
- Long Service Life

This image showcases the LEUNGOO DL1056 Blower Fan Motor, emphasizing its high performance characteristics such as smooth operation, quietness, durability, high efficiency, and long service life.

Your browser does not support the video tag.

This video provides a visual overview of the DL1056 blower fan motor, detailing its specifications and key features.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the motor. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- **Disconnect Power:** Always disconnect power to the unit before installing, servicing, or cleaning the motor.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified and experienced technicians.
- **Electrical Hazards:** This motor operates on 115V. Ensure all wiring connections are secure and comply with local electrical codes.
- **Proper Grounding:** Ensure the motor is properly grounded to prevent electrical shock.
- **Moving Parts:** Keep hands, tools, and clothing clear of moving parts during operation.

- **Capacitor Handling:** The included capacitor stores electrical charge. Discharge it safely before handling.

### 3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package. If any items are missing or damaged, contact your supplier immediately.

- 1 x LEUNGOO DL1056 Blower Fan Motor
- 1 x Capacitor (10 $\mu$ F/370V)

### 4. SPECIFICATIONS

The following table outlines the technical specifications of the LEUNGOO DL1056 Blower Fan Motor:



**MOTOR SPEC**  
Model No. DL1056

- 1/2hp 8.0A
- 1075RPM/3 SPD
- 115 V 60HZ
- Reversible Rotation
- With 10uF Capacitor

Capacitor

This image details the key specifications of the DL1056 motor, including horsepower, amperage, RPM, speed settings, voltage, frequency, rotation capability, and included capacitor.

Specification	Value
Brand	LEUNGOO
Model Name	DL1056 D701 E205 GE3587 X004 R43587
Speed	1075 RPM
Voltage	115 Volts (AC)
Horsepower	0.5 Horsepower
Product Dimensions	6.7"W x 9.84"H
Material	Metal
Item Weight	9.95 Pounds
Manufacturer	LEUNGOO
Wattage	375 watts
ASIN	B0DD7CGDMP
Date First Available	July 25, 2024

## MOTOR DIMENSIONS

Model No. DL1056



A detailed diagram illustrating the physical dimensions of the DL1056 motor, crucial for installation and compatibility checks.

## 5. COMPATIBILITY

The DL1056 motor is designed as a direct drive replacement for various blower motors. It is compatible with models from manufacturers such as A.O. Smith, Emerson, Dayton, GE, Coleman, Franklin, Universal Electric, Leland Faraday, RMR, Trane, Johnstone Supply, and York. Specific compatible models include Fasco D701, D902; Emerson 1224, 8894, 3844, 807; GE 3587, 3991; Dayton 3M142, 3M655, 3M817, 3M855, 3M976, 3M442, 3M444; Carrier/BDP HC43680001, HC43ME116, P257-8587, P257-8387; and Fedders 71057, S1940081001.

# REPLACEMENT

Model No. DL1056



## Replacement For DL1056 Direct Drive Blower Motor

Compatible with A.O.Smith/ Emerson/ Dayton/ GE/ Coleman/ Franklin  
Universal Electric/Leland Faraday/RMR/Trane/Johnstone Supply/York

This image highlights the DL1056 motor as a replacement for various direct drive blower motors, listing compatible brands for user reference.

## 6. INSTALLATION INSTRUCTIONS

Installation should only be performed by a qualified technician. Ensure all safety precautions are followed.

### 6.1. Pre-Installation Checklist

- Verify that the replacement motor specifications (HP, RPM, Voltage, Frame Size) match the original motor.
- Ensure the power supply to the HVAC unit is completely disconnected at the circuit breaker.
- Gather necessary tools: screwdrivers, wrenches, wire strippers, multimeter, safety glasses, and gloves.
- Inspect the new motor and capacitor for any shipping damage.

### 6.2. Removal of Old Motor

1. Disconnect all wiring from the old motor, noting the connections (take photos if necessary).
2. Remove the blower wheel from the old motor shaft.

3. Unmount the old motor from its housing.

### **6.3. Installation of New Motor**

1. Mount the new DL1056 motor into the blower housing, ensuring it is securely fastened.
2. Attach the blower wheel to the new motor shaft. Ensure the set screw is tightened firmly onto the flat part of the shaft.
3. Connect the wiring according to the wiring diagram on the motor label and the original connections. The motor features multiple speed taps (usually color-coded) and a common wire.
4. Connect the included 10 $\mu$ F/370V capacitor to the motor as indicated on the wiring diagram.
5. Ensure all connections are tight and insulated.

### **6.4. Post-Installation Check**

- Manually rotate the blower wheel to ensure it spins freely without obstruction.
- Double-check all electrical connections.
- Restore power to the unit and test the motor operation.

## **7. OPERATION**

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The DL1056 motor is a 3-speed motor, allowing for flexibility in airflow control. The motor also features reversible rotation, which can be adjusted during installation to match the required direction of the blower fan.



Refer to the table below for common issues and their potential solutions. Always disconnect power before attempting any troubleshooting or repairs.

Problem	Possible Cause	Solution
Motor does not start	No power supply Faulty wiring Defective capacitor	Check circuit breaker and power connections Verify wiring against diagram Test or replace capacitor
Motor runs hot	Insufficient ventilation Overload Incorrect voltage	Clear obstructions around motor Check for excessive load on blower wheel Verify supply voltage matches motor rating
Excessive noise or vibration	Loose mounting Unbalanced blower wheel Worn bearings	Tighten mounting bolts Inspect and balance blower wheel Motor replacement may be required
Motor hums but does not turn	Defective capacitor Obstructed shaft/blower wheel	Test or replace capacitor Clear any obstructions preventing rotation

## 10. WARRANTY AND SUPPORT

The LEUNGOO DL1056 Blower Fan Motor comes with a **2-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or further assistance, please contact LEUNGOO customer service through the retailer where the product was purchased or visit the official LEUNGOO website for contact information.

Please retain your proof of purchase for warranty validation.