

Marley CDF557

Marley CDF557 Ceiling Heater Instruction Manual

Model: CDF557

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Marley CDF557 Ceiling Mounted Downflow Heater. Please read this manual thoroughly before attempting to install or operate the unit. Retain this document for future reference.

The Marley CDF557 is designed to deliver efficient heating for commercial spaces such as offices, conference rooms, lobbies, waiting rooms, and entranceways.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- All electrical wiring must be performed by a qualified electrician in accordance with national and local electrical codes.
- Ensure the power supply is disconnected before performing any installation, maintenance, or service.
- Do not operate the heater with damaged wiring or if the unit malfunctions.
- Maintain proper clearances from combustible materials as specified in the installation instructions.
- This heater is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Marley CDF557 Ceiling Heater Unit
- Installation Hardware (including thumb pins)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Installation of the Marley CDF557 heater requires careful attention to electrical connections and mounting procedures. It is recommended that installation be performed by a licensed professional.

4.1 Mounting Options

The CDF557 heater can be installed using either a surface or recessed enclosure, depending on your ceiling type and available installation space.

- **Surface Mounting:** When surface mounted, the unit extends approximately 6 inches into the room.
- **Recessed Mounting:** For recessed installations, the enclosure requires approximately 7 inches of internal clearance within the ceiling.

The included thumb pins are designed to hold the unit together during installation, allowing for hands-free placement on the ceiling surface or within an enclosure.

4.2 Electrical Connections

This unit operates at **277 Volts** and has a power output of **5000 Watts**. Ensure that the electrical supply circuit is appropriately sized and protected by a circuit breaker as per local electrical codes. All wiring must comply with national and local electrical codes and be performed by a qualified electrician.

4.3 Adjusting Heating Patterns

The CDF557 allows for adjustment of heating patterns to optimize heat distribution:

- **Narrow Pattern:** Focuses heat on a specific area.
- **Wide Pattern:** Provides broader coverage for larger areas.
- **Asymmetrical Patterns:** Can be configured to direct heat output while still offering generous coverage to specific zones.

Refer to the detailed installation diagrams for specific instructions on adjusting the internal louvers or deflectors to achieve the desired heating pattern.



Figure 1: The Marley CDF557 Ceiling Heater, shown installed within a suspended ceiling grid. The unit features a central grille for air intake and multiple smaller grilles on the sides for heat distribution. Its neutral Sandal Wood color blends with typical ceiling tiles.

5. OPERATING INSTRUCTIONS

Once properly installed and connected to power, the Marley CDF557 heater operates automatically based on its thermostat settings.

5.1 Basic Operation

1. Ensure the heater is connected to a live power supply.
2. Set the desired temperature on the external thermostat (if applicable, sold separately or integrated into a building management system).
3. The heater will activate when the room temperature falls below the set point.

5.2 Fan Operation

The heater's fan is designed for optimal comfort and efficiency:

- The fan will only begin to blow air into the room once the heating elements have reached the desired operating temperature. This prevents the circulation of cold air.
- After the heating cycle concludes, the fan will continue to operate for a short period to discharge all residual heat from the unit before shutting off completely. This maximizes heat transfer and prolongs component life.

5.3 Building Management System Integration

Optional relays are available to connect the CDF557 ceiling heater to a central building management system (BMS). This allows for centralized control and monitoring of temperatures across multiple units from a single location. Consult a qualified HVAC technician for integration with a BMS.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Marley CDF557 heater. Always disconnect power before performing any maintenance.

- **Cleaning:** Periodically clean the grilles and exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no dust or debris accumulates on the heating elements or fan blades.
- **Inspection:** Annually inspect the unit for any signs of wear, damage, or loose connections. Pay attention to wiring and mounting hardware.
- **Professional Service:** For internal cleaning or electrical component inspection, it is recommended to contact a qualified service technician.

7. TROUBLESHOOTING

If your Marley CDF557 heater is not operating correctly, consult the following troubleshooting guide before contacting service personnel.

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply; tripped circuit breaker; faulty thermostat setting.	Check power supply and circuit breaker. Ensure thermostat is set above room temperature. Consult an electrician if issues persist.
Heater runs but no heat is produced.	Heating elements failure; incorrect wiring.	Disconnect power and have a qualified electrician inspect the wiring and heating elements.
Fan is not operating.	Fan motor failure; obstruction; unit not yet at operating temperature.	Allow time for the unit to reach operating temperature. Disconnect power and check for obstructions. If problem persists, contact service.
Insufficient heating.	Incorrect heating pattern; room size exceeds coverage; thermostat set too low.	Adjust heating pattern. Verify room size is within 500-1000 sq ft coverage. Increase thermostat setting.

Problem	Possible Cause	Solution
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For problems not listed or if solutions do not resolve the issue, contact Marley customer support or a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Brand	Marley
Model Number	CDF557
Type	Ceiling Mounted Downflow Heater
Color	Sandal Wood
Wattage	5000 watts
Voltage	277 Volts
Fuel Type	Electric
Product Dimensions (D x W x H)	7"D x 16.5"W x 5.75"H
Item Weight	19.1 pounds
Indoor/Outdoor Usage	Indoor
Recommended Uses	Office, Commercial Spaces
Heating Coverage	500-1000 square feet
Special Features	Adjustable Heating Patterns, Optional Relay for Building Management System
UPC	685360015125

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Marley website. For technical support, replacement parts, or service inquiries, please contact Marley customer service directly.

Contact information can typically be found on the manufacturer's website or on the product packaging.