

## Reznor UDXC-60

# Reznor UDXC-60 Natural Gas Unit Heater Instruction Manual

Model: UDXC-60 | Brand: Reznor

## 1. INTRODUCTION

The Reznor UDXC series natural gas heaters are designed to provide efficient and reliable heating for a variety of indoor spaces. These units are ideal for commercial, industrial, and residential applications such as garages, workshops, warehouses, and factories. The UDXC-60 model, with its 60,000 BTU output, offers quiet forced air heating, ensuring a comfortable environment while minimizing operational noise.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Reznor UDXC-60 unit heater. Please read all instructions thoroughly before proceeding with installation or use.



Figure 1: Front view of the Reznor UDXC-60 Natural Gas Unit Heater.

## 2. SAFETY INFORMATION

**WARNING:** This product can expose you to chemicals including lead and lead compounds, which are known to the State

of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

- Installation and service must be performed by a qualified installer, service agency, or gas supplier. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death.
- Ensure adequate ventilation in the installation area to prevent carbon monoxide buildup.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep the area around the heater clear and free from combustible materials.
- Always follow all local and national codes and regulations for gas appliance installation and operation.

### **3. SETUP AND INSTALLATION**

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The Reznor UDXC-60 unit heater is designed for versatile mounting and venting options. Professional installation is highly recommended to ensure safety and compliance with all applicable codes.

#### **3.1 Mounting**

The unit features threaded-nut retainers at four suspension points, allowing for secure installation as a ceiling-mounted hanging furnace or a wall-mounted heater. Mounting brackets are sold separately. Ensure the mounting structure can safely support the weight of the unit.

## Standard Features:

- █ Status-Indicating LED Light
- █ 7-Segment Display Board for Simple Troubleshooting
- █ 2- and 4-Point Suspension Options
- █ External Gas Connection for Ease of Maintenance and Installation
- █ ETL Approved



Figure 2: Unit heater showing suspension points and external gas connection.



Figure 3: Example of a mounting bracket (sold separately).

### 3.2 Venting

Proper venting is crucial for safe operation. The UDXC-60 is compatible with:

- Category 1 double wall B-vent when venting vertically out of a roof.
- Category 3 single wall vent pipe when vented horizontally through a sidewall.

Consult the detailed installation instructions provided with the unit for specific venting requirements and clearances.

### 3.3 Electrical Connection

The unit requires a 24V electrical connection, accessible via an external terminal strip. All electrical wiring must comply with local and national electrical codes and be performed by a licensed electrician.



Figure 4: Overview of simplified installation features including electrical connections.

## 4. OPERATING INSTRUCTIONS

The Reznor UDXC-60 is designed for efficient and quiet operation, providing consistent heat for your space.

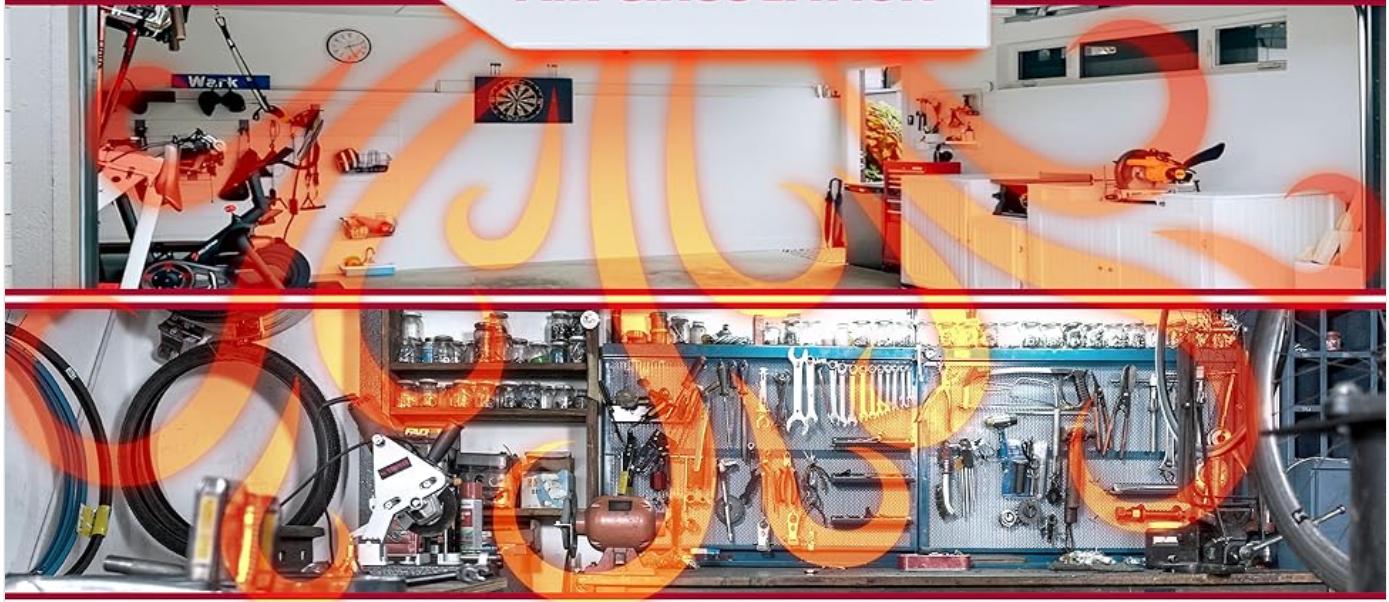
### 4.1 Heating Levels

The UDXC-60 offers two heating output levels to adapt to varying temperature needs:

- **Low Fire:** 34,860 BTU, suitable for milder cool days.
- **High Fire:** 49,800 BTU, for the coldest times of the year.

The unit achieves an 83% thermal efficiency rating, ensuring effective heat delivery.

## AIR CIRCULATION



These heaters feature a low static pressure axial fan and power venting to reduce heat loss, making them ideal for various interior environments.

Figure 5: Illustration of the heater's heating flexibility with two BTU outputs.

### 4.2 Quiet Forced Air Heating

UDXC models are engineered for quiet operation, featuring a vibration/noise isolated low static pressure axial propeller fan and a power venting system. This design provides optimal performance in most indoor environments without excessive noise, making them ideal for spaces where sound levels are a concern.



## SIMPLIFIED INSTALLATION & ADVANCED FEATURES

- Updated cabinet structure with a removable front face
- Hinged access door panel with a quarter-turn latch
- Threaded-nut retainers at four suspension points for ceiling or wall mounting
- Enhanced integrated circuit board with a 7-segment display
- Built-in enhanced disconnect switch
- Noticeable status-indicating LED
- External terminal strip for 24V wiring

Figure 6: Diagram illustrating efficient air circulation and heat distribution.



Figure 7: Key features highlighting quiet operation and durable design.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your Reznor UDXC-60 heater. Always disconnect power and gas supply before performing any maintenance.

- **Annual Inspection:** It is recommended to have a qualified service technician inspect the unit annually, especially before the heating season.
- **Cleaning:** Keep the fan blades and heat exchanger clean from dust and debris. The improved cabinet design with a removable front face and a hinged access door panel with a quarter-turn latch facilitates easier access for cleaning and inspection.
- **Vent System Check:** Periodically inspect the vent system for any obstructions, leaks, or damage.
- **Gas Connection Check:** Ensure all gas connections are secure and free from leaks.

## 6. TROUBLESHOOTING

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The Reznor UDXC-60 features an integrated circuit board with a 7-segment display and a status-indicating LED for simplified troubleshooting. Refer to the unit's display for error codes and status indicators.

- **No Heat/Unit Not Starting:**
  - Check the thermostat setting.
  - Verify the gas supply is on.
  - Ensure the power supply is connected and the built-in disconnect switch is engaged.
  - Check the 7-segment display for error codes.
- **Unusual Noises:**
  - Inspect the fan for obstructions or damage.
  - Ensure the unit is securely mounted and free from vibrations.
- **Poor Heating Performance:**
  - Check for proper air circulation and clear any obstructions around the unit.
  - Ensure the correct heating level (low/high fire) is selected for the ambient temperature.

For persistent issues or complex problems, contact a qualified service technician.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Reznor (Distributed by 1HVAC)
Model Number	UDXC-60
Heat Output	60,000 BTU (Two levels: Low Fire 34,860 BTU / High Fire 49,800 BTU)
Thermal Efficiency	83%
Fuel Type	Natural Gas
Indoor/Outdoor Usage	Indoor
Product Dimensions (D x W x H)	32.72" x 27" x 16.75"
Mounting Type	Ceiling Mount, Wall Mount (using suspension points)
Room Type	Garage, Commercial, Industrial
Special Feature	Fast Heating, Quiet Operation, Integrated Circuit Board with Display
Heat Exchanger	TCORE2 Titanium-Stabilized Aluminized Steel
Date First Available	July 14, 2023

# 60,000 BTU



Figure 8: Key dimensions of the UDXC-60 unit heater.



# Reznor Model UDXC-60 Unit Heater

## Standard Features:

-  83% AFUE Efficiency
-  TCORE2 Titanium-Stabilized Aluminized Steel Heat Exchanger
-  Multi-Try Direct Spark Ignition with Time Lockout
-  Low Noise Operation with Vibration-Isolated Fan and Venter Motors

Figure 9: Overview of standard features including efficiency and heat exchanger material.

## 8. WARRANTY INFORMATION

The Reznor UDXC-60 unit heater comes with the following warranty coverage:

- **9 Years:** Heat Exchanger, Burner, and Flue Collection Box Assembly.
- **4 Years:** All Electrical and Mechanical Components.

To ensure a valid warranty, installation must comply with all local and state codes. Retain your proof of purchase and installation records for warranty claims.

## 9. SUPPORT AND CONTACT

For further assistance, technical support, or to purchase accessories and replacement parts, please refer to the contact information provided by your retailer or visit the official Reznor website. Always provide your model number (UDXC-60) when seeking support.

For more information about Reznor's commitment to quality and innovation, you can visit the [1HVAC Store on Amazon](#).

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