

Reznor UDXC-150

Reznor UDXC-150 Natural Gas Unit Heater: Installation and Operation Manual

Model: UDXC-150 | Brand: Reznor

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Reznor UDXC-150 Natural Gas Unit Heater. Please read all instructions carefully before attempting to install or operate the unit. Retain this manual for future reference.



Figure 1: Front view of the Reznor UDXC-150 Natural Gas Unit Heater. This image displays the front and side view of the Reznor UDXC-150 Natural Gas Unit Heater, showcasing its compact design and air outlet.

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.

- Ensure all local codes and ordinances are followed during installation.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- This unit is designed for indoor use only.

3. SETUP AND INSTALLATION

The Reznor UDXC-150 unit heater is designed for versatile installation in commercial or industrial spaces. Proper setup is crucial for safe and efficient operation.

3.1 Mounting

The UDXC-150 is equipped with threaded-nut retainers at four suspension points, allowing for ceiling or wall mounting. Mounting brackets and hardware are sold separately and must be appropriate for the unit's weight and the structural integrity of the mounting surface.

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: Ceiling-mounted Reznor UDXC-150 Unit Heater. The heater is shown installed on a ceiling, illustrating its suspension points. Accompanying text lists features such as Status-Indicating LED Light, 7-Segment Display Board for troubleshooting, 2- and 4-Point Suspension Options, External Gas Connection, and ETL Approval.

3.2 Venting

This unit is compatible with category 1 double wall B-vent pipe. Venting can be configured vertically out of a roof or horizontally through a sidewall. Consult local codes for specific venting requirements.

3.3 Gas Connection

An external gas connection point is provided for ease of maintenance and installation. Ensure all gas connections are leak-free and comply with local regulations. This unit operates on Natural Gas.

3.4 Electrical Wiring

The unit features an external terminal strip for 24V wiring. All electrical work must be performed by a qualified electrician and adhere to all applicable electrical codes.

Compact & Durable Heating

- Ideal for larger commercial garages, warehouses, and industrial workspaces
- Suitable for ceiling or wall mounting with multiple venting options
- Built with corrosion-resistant materials for enhanced durability
- Advanced fan design ensures quiet and efficient heating

All UDXC Sizes are Certified for Commercial / Industrial Use, 30k-120k BTU Units Also Approved for Residential Garages & Workshops



Figure 3: Installation of the Reznor UDXC-150 Heater. A worker is shown connecting ductwork to a ceiling-mounted heater. The text emphasizes the unit's suitability for commercial/industrial spaces, corrosion-resistant materials, and quiet, efficient heating.

4. OPERATING INSTRUCTIONS

The Reznor UDXC-150 is designed for efficient and quiet heating.

4.1 Initial Startup

1. Ensure all gas and electrical connections are secure and verified by a professional.
2. Turn on the gas supply to the unit.
3. Restore electrical power to the unit.
4. Set the thermostat to the desired temperature. The unit will initiate its ignition sequence.

4.2 Normal Operation

- The unit features a single-burner design with two BTU outputs, allowing for efficient heating in varying conditions.

- An integrated circuit board with a display and a status-indicating LED provides operational feedback.
- The low static pressure axial fan and power venting system ensure effective air circulation and minimize heat loss.
- The unit operates with low noise due to vibration-isolated fan and venter motors.

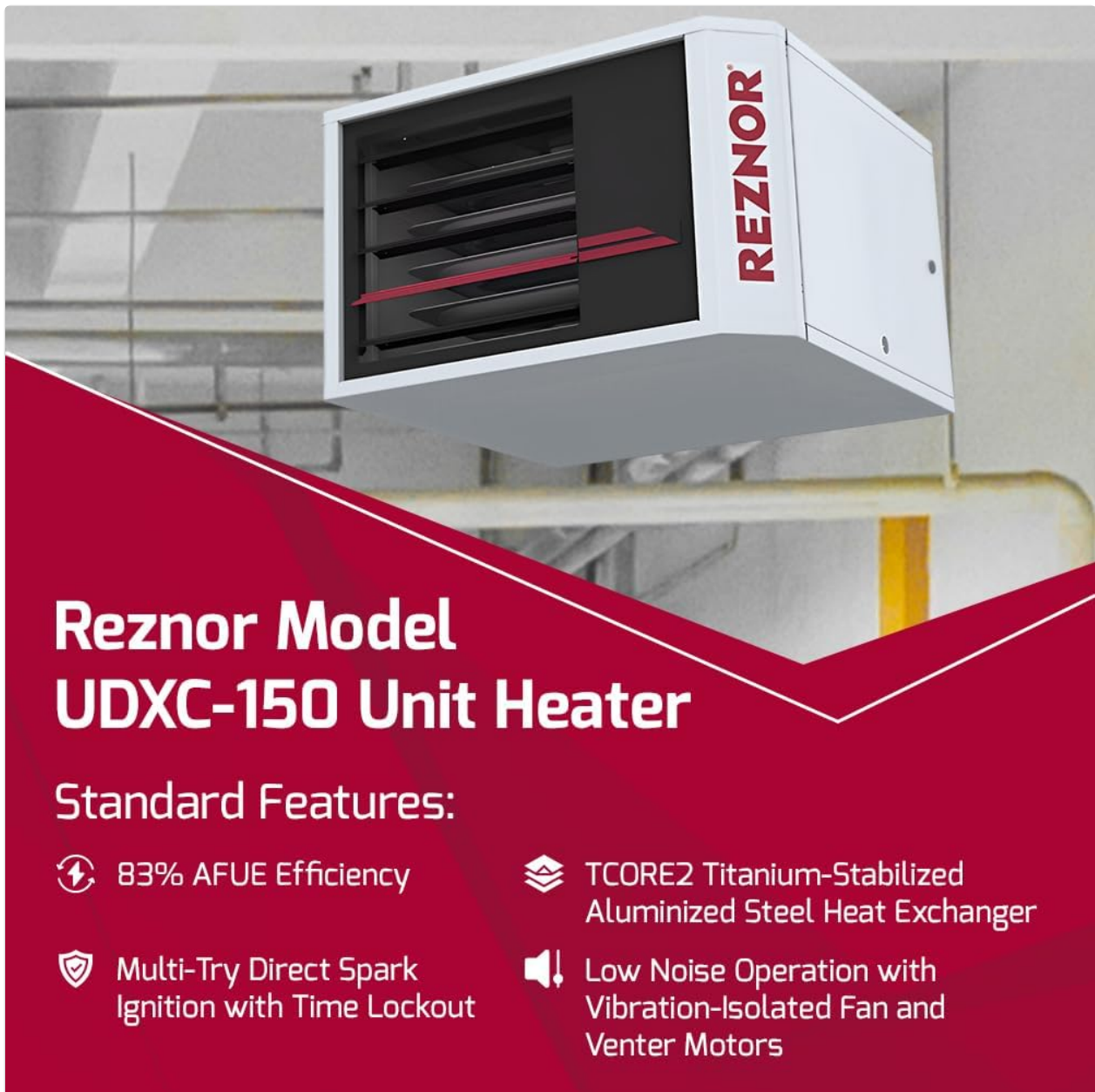


Figure 4: Key Features of the Reznor UDXC-150 Unit Heater. This graphic highlights key features including 83% AFUE Efficiency, TCORE2 Titanium-Stabilized Aluminized Steel Heat Exchanger, Multi-Try Direct Spark Ignition, and Low Noise Operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Reznor UDXC-150 unit heater. All maintenance should be performed by qualified personnel.

5.1 Routine Checks (Monthly/Quarterly)

- Inspect the heat exchanger for any signs of corrosion or damage. The TCORE2 titanium-stabilized aluminized steel heat exchanger is designed for durability.
- Check the fan and motor for unusual noises or vibrations.

- Ensure the air intake and exhaust vents are clear of obstructions.
- Verify that the external gas connection is secure and free of leaks.

5.2 Annual Servicing

- A qualified technician should perform a comprehensive inspection and cleaning of the burner, heat exchanger, and ignition system.
- The updated cabinet structure with a removable front face and hinged access door panel with a quarter-turn latch facilitate easier access for servicing.
- Check and calibrate gas pressure as needed.
- Inspect all electrical connections and wiring.

6. TROUBLESHOOTING

The UDXC-150 unit heater includes features to assist with troubleshooting common issues.

Problem	Possible Cause	Solution
Heater does not ignite	No gas supply, electrical issue, ignition fault	Check gas valve, power supply. Consult 7-segment display for error codes.
Unit runs but no heat	Gas supply interrupted, burner issue	Verify gas flow. Check burner for obstructions.
Unusual noises during operation	Fan imbalance, motor issue, loose components	Inspect fan and motor. Tighten any loose parts. If persistent, contact service.
Status LED indicates an error	Specific fault detected by the control board	Refer to the 7-segment display board for specific error codes and consult the full service manual for detailed troubleshooting steps.

For complex issues or if the problem persists, contact a qualified service technician.

7. SPECIFICATIONS

Feature	Detail
Model Number	UDXC-150
Heat Output	150,000 British Thermal Units (BTU)
Fuel Type	Natural Gas
Thermal Efficiency	83%
Product Dimensions (D x W x H)	48.44" x 38.19" x 20.13"
Mounting Type	Ceiling Mount, Wall Mount (brackets sold separately)

Feature	Detail
Room Type	Garage, Warehouse, Commercial/Industrial Spaces
Special Features	Energy Efficient, Fast Heating, Low Noise Operation, TCore2 Titanium-Stabilized Aluminized Steel Heat Exchanger, 7-Segment Display Board
Number of Speeds	2



Figure 5: Dimensions of the Reznor UDXC-150 Unit Heater. This image provides the physical dimensions of the 150,000 BTU unit, including its width, depth, and height, essential for installation planning.

8. PRODUCT VIDEOS

No official product videos from the seller were found in the provided data for embedding in this manual.

9. WARRANTY INFORMATION

Specific warranty details for the Reznor UDXC-150 unit heater are typically provided at the point of purchase

or included with the product packaging. Please refer to the warranty card or contact the seller (1HVAC) or Reznor directly for comprehensive warranty terms and conditions.

10. SUPPORT AND CONTACT

For technical assistance, parts, or service inquiries, please contact the seller or an authorized Reznor service provider. Ensure you have your model number (UDXC-150) and serial number available when contacting support.

Seller: 1HVAC

For additional information, you may visit the [1HVAC Store on Amazon](#).

More than Unit Heaters

Reznor unit heaters are second to none, but that's not all we're focused on. Reznor offers a complete line of HVAC solutions to meet all your heating, cooling, makeup air and dehumidification needs.



Product Condition:

WELL-KEPT WAREHOUSE:

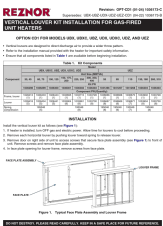
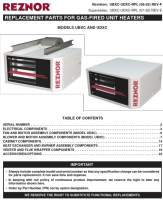
1HVAC warehouse is not just a storage space; it's a controlled environment where products are handled with precision and care. Regular maintenance routines ensure the cleanliness and orderliness of the facility.

EXPERT PACKAGING:

1HVAC takes pride in our packaging process, employing industry best practices to safeguard your units during transit. From selecting the right materials to meticulous packing techniques, our team ensures that your order arrives in perfect condition.

Figure 6: Product Condition and Packaging. This image shows two unit heaters, one from the front and one from the side revealing the fan. Text describes the careful handling in the 1HVAC warehouse and expert packaging to ensure product integrity during transit.

Related Documents - UDXC-150

	Reznor Gas Conversion Kit Installation for Gas-Fired Unit Heaters This document provides installation instructions for Reznor gas conversion kits for various gas-fired unit heater models, including UBX, UBXC, UBZ, UDX, UDXC, UDZ, UDAP, UDAS, UDBP, and UDBS. It details component selection, safety precautions, and installation steps for converting between natural gas and propane, as well as for high-elevation installations.
	Reznor Ceiling Suspension Kit Installation Guide for Electric and Gas-Fired Unit Heaters Installation instructions and component details for the Reznor CK22 Ceiling Suspension Kit, compatible with EHU electric and UDXC, UDX, UDZ gas-fired unit heaters. Learn how to safely mount your Reznor heater.
	Reznor Relay Kit Installation Guide for Multiple Unit Control (CL31/CL32) Comprehensive installation guide for Reznor CL31 and CL32 relay kits, enabling multiple unit control for various Reznor electric and gas-fired heaters. Includes component lists, detailed installation steps, and wiring specifications.
	Reznor Vertical Louver Kit Installation Guide for Gas-Fired Unit Heaters (OPT-CD1) Installation instructions for the Reznor OPT-CD1 Vertical Louver Kit, designed for gas-fired unit heaters (models UBX, UBXC, UBZ, UDX, UDXC, UDZ, UEZ). Includes component list and step-by-step assembly guide.
	Reznor UBXC/UDXC Gas-Fired Unit Heater Replacement Parts Manual This manual provides detailed replacement parts information for Reznor UBXC and UDXC series gas-fired unit heaters. It includes sections on serial number decoding, electrical components, fan and motor assemblies, blower assemblies, cabinet components, heat exchanger and burner assemblies, venter and flue wrapper components, and various accessories and options.

Reznor Heat Exchanger Gasket Kit Installation Guide for Gas-Fired Unit Heaters

Detailed installation instructions for Reznor heat exchanger gasket kits for UBX, UBXC, UBZ, UDX, UDXC, and UDZ gas-fired unit heaters. Includes kit components, sizes, and step-by-step installation procedures.

Documents - Reznor – UDXC-150

[\[pdf\]](#) User Manual Instructions

separated combustion conversion of gas fired unit heaters 26 feb 2025 — NOTE Conversion should be

done by a qualified agency in accordance with these instructions and compliance all codes requirements

authorities UBXC UDXC SC1 02 25 1042982 C literature nortekhvac SC101 241042983 0 docuid

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7d2163c6 abd9 11ee 93f1 0016e1e579b9 brandkey Reznor lgt 55825540717996995698279193017 |||
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Revision: UBXC-UDXC-SC1 02-25 1042982-C Supersedes: UBXC-UDXC-SC1 09-24

1042982-B SEPARATED-COMBUSTION CONVERSION OF GAS-FIRED UNIT

HEATERS OPTION SC1 FOR MODELS UBXC AND UDXC NOTE: Conversion

should be done by a qualified agency in accordance with these instructions and in

compliance with all...

lang:en score:11 filesize: 1.97 M page_count: 40 document date: 2025-02-21