

Reznor UDXC-150

Reznor UDXC-150 150,000 BTU LP Gas Unit Heater Instruction Manual

Model: **UDXC-150** | Brand: **Reznor**

IMPORTANT SAFETY INFORMATION

Read and understand all instructions before installing, operating, or servicing this unit heater. Failure to follow these instructions could result in property damage, personal injury, or death.

- **Gas Safety:** This unit uses LP (Liquid Propane) gas. Ensure all gas connections are properly sealed and tested for leaks. Installation must comply with local codes and national standards.
- **Electrical Safety:** Ensure the unit is properly grounded and connected to the correct power supply as specified. Disconnect power before servicing.
- **Ventilation:** Proper venting is crucial to prevent carbon monoxide poisoning. Ensure the exhaust system is correctly installed and maintained.
- **Installation:** Only qualified personnel should install and service this appliance. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is 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.

PRODUCT OVERVIEW

The Reznor UDXC-150 is a 150,000 BTU LP Gas Unit Heater designed for commercial and industrial applications such as garages, workshops, warehouses, and factories. It features a forced-air design with a low static propeller fan for efficient heat distribution.



Image: Front view of the Reznor UDXC-150 LP Gas Unit Heater.

Key Features:

- **Propane Compatibility:** Designed for LP gas, suitable for various indoor commercial or industrial settings.
- **High Performance:** 150,000 BTU output with two heating levels (low fire 87,150 BTU / high fire 124,500 BTU) and 83% thermal efficiency.
- **Mounting Versatility:** Threaded-nut retainers at four suspension points allow for ceiling or wall mounting (mounting hardware sold separately).
- **Durable Construction:** Features a TCORE2 titanium-stabilized aluminized steel heat exchanger.
- **Advanced Controls:** Patented single-burner combustion, integrated circuit board with display, built-in disconnect, and current status LED for diagnostics.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Reznor (1HVAC)
Model Number	UDXC-150 1043187R
Heat Output	150,000 British Thermal Units (BTU)
Fuel Type	Liquid Propane (LP Gas) - Convertible from Natural Gas
Thermal Efficiency	83%
Number of Speeds	2 (Low Fire: 87,150 BTU / High Fire: 124,500 BTU)

Feature	Specification
Amperage	11 Amps
Product Dimensions	48.88"D x 41"W x 34.13"H
Mounting Type	Ceiling Mount / Wall Mount (Mounting hardware sold separately)
Indoor/Outdoor Usage	Indoor
Special Feature	Fast Heating
Heat Exchanger	TCORE2 Titanium-Stabilized Aluminized Steel



Image: Diagram showing the dimensions of the Reznor UDXC-150 unit heater.

SETUP AND INSTALLATION

Proper installation is critical for the safe and efficient operation of your Reznor UDXC-150 unit heater. Consult a

qualified HVAC professional for installation to ensure compliance with all local and national codes.

Pre-Installation Checks:

- Verify that the unit's BTU output is appropriate for the space to be heated.
- Ensure adequate clearance from combustible materials as specified in the installation manual.
- Confirm that the gas supply (LP) and electrical supply meet the unit's requirements.
- If converting from natural gas to LP, ensure the provided LP conversion kit is correctly installed by a qualified technician.

Mounting:

The UDXC-150 can be ceiling-mounted or wall-mounted using appropriate brackets (sold separately). The unit includes threaded-nut retainers at four suspension points for secure attachment.

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



Image: Reznor UDXC-150 unit heater installed and suspended from a ceiling, highlighting its mounting options.

Gas and Electrical Connections:

- Connect the LP gas supply line to the unit, ensuring all connections are tight and leak-free.
- Wire the unit to the electrical supply according to the wiring diagram in the full installation manual. This includes connections for the fan, combustion blower, and integrated circuit board.

Venting:

The unit is compatible with Category I double-wall B-vent pipe for vertical or horizontal venting. Ensure the vent pipe is properly sized, installed, and sealed to safely exhaust combustion byproducts.

OPERATING INSTRUCTIONS

Once installed and all connections are verified, follow these steps to operate your Reznor UDXC-150 unit heater:

1. **Power On:** Ensure the main electrical supply to the unit is switched on.
2. **Gas Supply:** Open the manual gas shut-off valve to allow LP gas to flow to the unit.
3. **Thermostat Setting:** Set the thermostat to your desired temperature. The unit will automatically cycle on and off to maintain this temperature.
4. **Heat Output Selection:** The UDXC-150 offers two heat output levels. Refer to the full manual for instructions on how to select between low fire (87,150 BTU) for milder conditions and high fire (124,500 BTU) for colder periods.
5. **Initial Startup:** Upon initial startup or after a prolonged shutdown, it may take a few minutes for the gas lines to purge air, and the unit may attempt ignition multiple times before successfully lighting.
6. **Shutdown:** To turn off the unit, lower the thermostat setting below the ambient temperature or switch off the main electrical supply. For extended shutdowns, close the manual gas shut-off valve.



Image: Graphic illustrating the heating flexibility of the Reznor UDXC-150 with its dual BTU output for varying temperatures.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your unit heater. Perform the following checks periodically:

- **Annual Inspection:** Have a qualified service technician inspect the unit annually, preferably before the heating season.
- **Cleanliness:** Keep the area around the heater clear of debris and obstructions. Ensure the air intake and discharge grilles are clean.
- **Vent System Check:** Inspect the vent pipe for any signs of corrosion, leaks, or blockages.
- **Component Inspection:** Check electrical connections for tightness and signs of wear. Inspect the fan and motor for proper operation and lubrication if required.

TROUBLESHOOTING

If your Reznor UDXC-150 unit heater is not operating correctly, refer to the following common issues before contacting a service technician:

- **No Heat/Unit Not Starting:**
 - Check if the electrical power supply is on.
 - Ensure the gas supply valve is open.
 - Verify the thermostat is set above the ambient temperature.
 - Check the unit's integrated circuit board display and status LED for diagnostic codes. Refer to the full manual for code interpretations.
- **Insufficient Heat:**
 - Confirm the unit is operating on the high fire setting if maximum heat is desired.
 - Ensure no obstructions are blocking the air intake or discharge.
 - Check for proper ventilation and insulation of the heated space.
- **Unusual Noises or Odors:**
 - Immediately shut off the gas supply and electrical power.
 - Do not attempt to operate the unit. Contact a qualified service technician.

For detailed troubleshooting steps and error code explanations, consult the complete installation and operation manual provided with your unit.

WARRANTY AND SUPPORT

This Reznor UDXC-150 unit heater is backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact Reznor customer support.

If you require technical assistance, parts, or service, please contact the authorized dealer or service center where you purchased the unit. Ensure you have your model number (UDXC-150) and serial number available when contacting support.

For general inquiries or to locate an authorized service provider, visit the official Reznor website or contact 1HVAC, the brand associated with this product.

