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Rinnai EX17CTP

Rinnai EX17CTP Direct Vent Propane Gas Wall Furnace User Manual

Model: EX17CTP

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Rinnai EX17CTP Space Heater Wall Furnace.

1. INTRODUCTION

The Rinnai EX17CTP Direct Vent Wall Furnace is designed to provide efficient and consistent heating for indoor spaces. This unit features stainless steel bunsen burners, a warm air outlet with forced combustion and convection through bottom front louvers, and an enameled tray humidifier. It is suitable for homes, apartments, condominiums, and commercial settings, and is approved for modular/mobile home use.

Key features include an electronic spark ignition, a seven-stage modulating gas valve, timer settings, a variable speed inducer motor with pressure switch, and an electronic thermostat with a temperature range of 60°F to 80°F. For safety, it incorporates a child lock and self-diagnostic electronics that monitor functions, provide auto shutdown codes, and automatically restart if ignition or combustion fails.

Video: Rotational view of the Rinnai EX17CTP Wall Furnace, highlighting its exterior design and compact form factor.

Video: Overview of Rinnai's features and benefits, including energy efficiency and heating performance.

2. SETUP AND INSTALLATION

The Rinnai EX17CTP is designed for indoor installation only and requires direct venting. Professional installation by a qualified technician is highly recommended to ensure proper and safe operation, as well as compliance with local codes and regulations.

2.1 Unpacking and Inspection

Carefully unpack the unit and inspect it for any shipping damage. Report any damage immediately to your dealer or installer.

2.2 Location Requirements

- Ensure the installation location allows for proper direct venting to the outside.
- Maintain adequate clearances from combustibles materials as specified in the installation manual.
- The unit is wall-mounted; ensure the wall structure can support the unit's weight (57 lbs).
- The unit requires a standard electrical outlet for its electronic spark ignition and fan operation.

2.3 Gas Connection

Connect the unit to a propane gas supply. All gas connections must be performed by a licensed professional.

2.4 Venting

The direct vent system draws combustion air from outside and exhausts combustion by-products outside, ensuring safe indoor air quality. Follow the detailed instructions in the separate installation manual for proper venting.



Image: Front view of the Rinnai EX17CTP Direct Vent Wall Furnace.

3. OPERATING INSTRUCTIONS

The Rinnai EX17CTP features a user-friendly control panel for easy operation.

3.1 Power On/Off

- Press the **On/Off** button to turn the unit on or off.

3.2 Setting Temperature

- Use the **Temp Up/Down** arrows to adjust the desired room temperature. The thermostat range is 60°F to 80°F.
- The unit will automatically modulate its heat output to maintain the set temperature.

3.3 Timer Settings

- The unit includes programmable timer settings (Timer 1, Timer 2) to schedule heating cycles. Refer to the detailed programming section in the full manual for specific instructions.

3.4 Child Lock

- Activate the **Lock** function to prevent unintended changes to settings, especially useful in households with children.

3.5 Economy Mode

- Engage **Economy** mode to optimize energy consumption. In this mode, the unit allows the temperature to drop by a few degrees before actively heating, reducing continuous operation.

4. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Rinnai EX17CTP furnace.

4.1 Filter Cleaning

The unit is equipped with a mesh filter that collects dust and debris. A 'Filter' indicator light on the control panel will illuminate when cleaning is required.

- Turn off the unit before attempting to clean the filter.
- Locate the filter access panel, typically at the top or front of the unit.
- Gently pull out the mesh filter.
- Clean the filter by rinsing it with water or vacuuming off accumulated dust and lint. Ensure it is completely dry before reinserting.
- Reinsert the filter and close the access panel. Turn the unit back on.

For Indoor Installation



Indoor
Installation Only



User Friendly
Control Panel



Wall Thermostat
Compatible



High Altitude
Approved



Consistent,
Even Heating



Supplemental/
Zone Heating



Modulating Technology
with Convection Fan



*Residential Warranty

Heat Exchanger	Labor	Parts
10 Years	2 Years	5 Years

**Terms & Conditions Apply*

Image: Diagram illustrating key features of the Rinnai EnergySaver Direct Vent Wall Furnace, including indoor installation, consistent heating, user-friendly control panel, wall thermostat compatibility, high altitude approval, modulating technology with convection fan, and warranty details.

4.2 Annual Inspection

It is recommended to have a qualified service technician inspect the unit annually to ensure all components are functioning correctly and safely.

5. TROUBLESHOOTING

The Rinnai EX17CTP features self-diagnostic electronics. If an issue occurs, the unit may display an error code or shut down automatically.

- **No Heat/Unit Not Turning On:** Check the power supply and gas connection. Ensure the unit is switched on and the thermostat is set above the current room temperature.
- **Filter Light On:** Clean the air filter as described in the Maintenance section.

- **Unusual Noises:** While the unit is designed for quiet operation, any new or loud noises should be investigated. Ensure the fan is not obstructed.
- **Error Codes:** If an error code appears on the display, consult the detailed troubleshooting guide in the full product manual or contact Rinnai customer support.

For persistent issues, contact a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Brand	Rinnai
Model Number	EX17CTP
Fuel Type	Propane
Heat Output	17,000 British Thermal Units (BTU)
Heating Coverage	340-354 square feet
Min Temperature Setting	60°F
Max Temperature Setting	80°F
Power Source	Corded Electric, Gas Powered
Form Factor	Wall-Mounted
Indoor/Outdoor Usage	Indoor
Item Weight	57 Pounds
UPC	766156009860



EnergySaver® Direct Vent Wall Furnaces

For Indoor Installation

EX17CTP



Product Depth (in)	10.1
Product Height (in)	22.9
Product Width (in)	29.9
Product Weight (lb)	57
Gas Type	Propane
Installation Type	Indoor Only
Power Consumption (Electric Ignition)	46 Watts
Standby Power Consumption	< 1 Watt
Noise Level dB(A)	33 - 38
Altitude Approved (FT)	10,200
Wall Thermostat Compatibility	Yes
Warranty Provided	Yes

Image: Detailed product specifications for the Rinnai EX17CTP, including depth, height, width, weight, gas type, installation type, power consumption, noise level, altitude approval, wall thermostat compatibility, and warranty.



EnergySaver® Direct Vent Wall Furnaces

For Indoor Installation

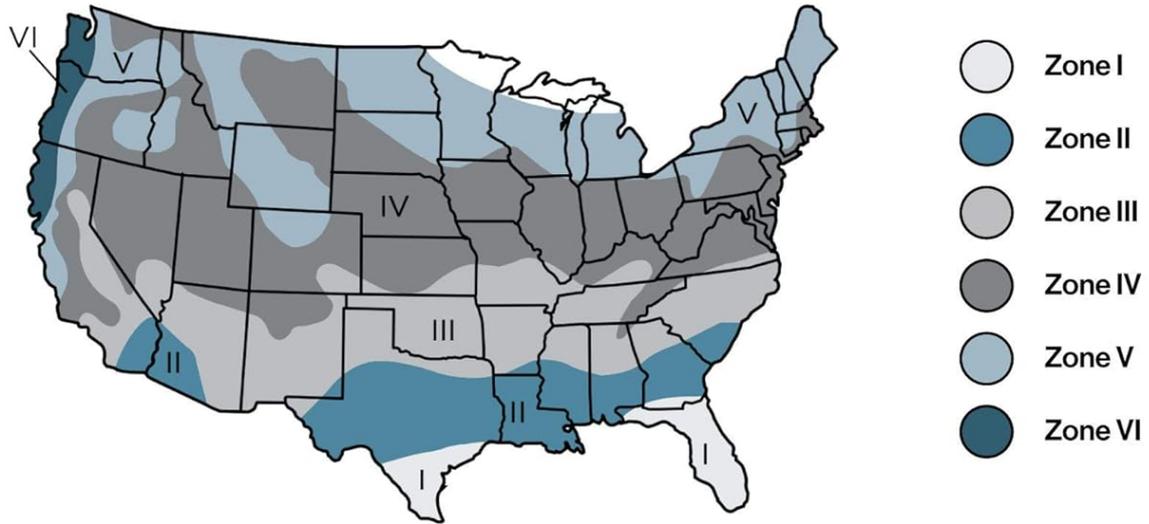


MODEL	EX08CT		EX11CT		EX17CT		EX22CT EX22CTW		EX38CT EX38CTW	
PRODUCT	EX08CTN	EX08CTP	EX11CTN	EX11CTP	EX17CTN	EX17CTP	EX22CTN EX22CTWN	EX22CTP EX22CTWP	EX38CTN EX38CTWN	EX38CTP EX38CTWP

GAS TYPE	NATURAL GAS		PROPANE		NATURAL GAS		PROPANE		NATURAL GAS		PROPANE	
	FAN CFM OUTPUT (Low/High)	48.3 / 78.6		110.5 / 141.3		111.3 / 191.3		111.3 / 162.7		203.4 / 360.6		
POWER CONSUMPTION (Electronic Ignition)	41 Watts		44 Watts		46 Watts		56 Watts		117 Watts			
NOISE LEVEL dB(A)	27 - 36		31 - 38		33 - 38		33 - 42		39 - 46			
BTU RANGE (Low / High)	3,000 / 8,000		5,500 / 11,000	5,700 / 11,000	8,200 / 16,700		8,200 / 21,500	8,200 / 20,700	13,200 / 38,400	13,200 / 36,500		

Image: Comparison table of various Rinnai EnergySaver Direct Vent Wall Furnace models (EX08CT, EX11CT, EX17CT, EX22CT, EX38CT), showing differences in gas type, fan CFM output, power consumption, noise level, and BTU range. The EX17CTP is highlighted.

National Heat Zones



Model	Room Volume / Heating Area Size		
	Heat Zone	Cubic Feet	Square Feet
	Zone I	4,801 - 7,300	601 - 910
	Zone II	4,101 - 6,100	511 - 760
	Zone III	3,401 - 5,200	431 - 650
	Zone IV	2,801 - 4,300	351 - 540
	Zone V	2,301 - 3,500	291 - 440
Zone VI	4,101 - 6,100	511 - 760	

Chart should not be used as the sole document for making final product selection. Consult with your Rinnai independent dealer. The guidelines apply to average house construction. This is intended to be used as a guide and not a replacement for a professionally engineered project. Rinnai has not been to the location so this guidance is for your assistance only and should not be the sole factor in making a sizing selection. Sizing does not describe a complete system. The contractor/engineer must determine the necessary components for and configuration of the particular system being installed. Sizing does not imply compliance with local building codes. It is the responsibility of the engineer/contractor to ensure the installation is in accordance with all local building codes. Confer with local building officials before installation. RAG, its agents, employees, directors, officers, parent or affiliate companies assume no liability for damages arising from information provided herein to or by consumers or third parties or for damages arising from or associated with water quality, compliance with local codes, installation methods, materials or other circumstances related to application or installation. Chart is to be used for supplemental heat applications only. Information based on Sizing Guidelines for Vent-Free Gas Products found on <http://www.ventfree.org>. *Square Footage column based off of an 8ft ceiling height. ** Selection is based on installation locations at 2,000 ft or below. If the installation is above 2,000 ft please contact Rinnai. In bathrooms, select a product equal to or less than 6,000 BTU/H. In bedrooms, select a product equal to or less than 10,000 BTU/H. In single rooms in Region V, multiply the room's volume by 3.20. The result is the maximum heat input (BTU/H) of the product you should consider. NOTE: Rinnai Vent-Free Fan Convertors are intended for supplemental heating only, according to the International Fuel Gas Code (IFGC), and should be used in applications as such. Some states prohibit the use of unvented heaters. Check local codes for your area to verify approval of use.

Image: Map of National Heat Zones with a table indicating recommended cubic feet and square feet heating area for the EX17CTP model across different zones.

BEFORE	AFTER
 <p>EX17CTP</p>	 <p>EX17DTP</p>
Indoor Installation Only	Indoor Installation Only
Power Consumption = 46 Watts	Power Consumption = 46 Watts
Length x Width x Height = 10.1 x 29.9 x 22.9 (inches)	Length x Width x Height = 10.1 x 29.9 x 22.9 (inches)
Noise Level = 33-38 dB(A)	Noise Level = 33-38 dB(A)
Weight = 57 pounds	Weight = 51 pounds
Propane	propane

Image: Side-by-side comparison of the Rinnai EX17CTP and EX17DTP models, detailing similarities in power consumption, length x width x height, and noise level, and differences in weight.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

Rinnai products are built to high standards. The EX17CTP typically includes a residential warranty:

- **Heat Exchanger:** 10 Years
- **Labor:** 2 Years
- **Parts:** 5 Years

**Terms & Conditions may apply. Please refer to your product registration or Rinnai's official website for complete warranty details.*

7.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Rinnai Customer Support. High-quality, safe, and efficient appliances are a priority for Rinnai, and their customer support is available to assist you.

You can visit the [Rinnai Store on Amazon](#) for more information or to explore other Rinnai products.

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This manual is for informational purposes only. Always consult a qualified professional for installation and service.