

Stiebel Eltron CNS 150-1 E (Model 233587)

Stiebel Eltron CNS 150-1 E Wall-Mounted Convection Heater User Manual

Model: CNS 150-1 E (Model 233587)

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Stiebel Eltron CNS 150-1 E Wall-Mounted Convection Heater. Please read these instructions thoroughly before installation and use, and retain them for future reference.

The Stiebel Eltron CNS-E series offers a modern, space-saving alternative to traditional baseboard heaters. These units operate silently through natural convection, making them suitable for various indoor spaces such as bathrooms, small rooms, or as supplemental heating in larger areas. Each unit features a built-in thermostat for individual temperature control and a frost protection setting.

IMPORTANT SAFETY INFORMATION

WARNING: Electrical shock hazard. Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.

- Do not install the heater near flammable materials.
- Ensure the power supply matches the heater's requirements (120V).
- Do not cover the heater or block its air vents.
- Keep children and pets away from the heater during operation.
- Disconnect power before performing any maintenance or cleaning.

SETUP AND INSTALLATION

The CNS 150-1 E is designed for surface-mounted wall installation. It requires a 120V electrical connection and must be hardwired. Consult a qualified electrician for proper installation to ensure compliance with all electrical codes.

Mounting Considerations:

- Choose a wall location that allows for proper air circulation and is away from obstructions.
- Ensure the mounting surface is stable and can support the heater's weight (approximately 12.6 pounds).

- Maintain adequate clearance from floors, ceilings, and adjacent walls as specified in the full installation guide.



Image: Dimensions of the Stiebel Eltron CNS 150-1 E Wall-Mounted Convection Heater. The heater measures approximately 23.25 inches wide, 18 inches high, and 4 inches deep.

Electrical Requirements:

The CNS 150-1 E operates on 120 Volts, drawing 12.5 Amps and producing 1500 Watts (5118 BTU/hr). It must be hardwired to a dedicated circuit as per local electrical codes. This unit is not designed for plug-in operation.

OPERATING INSTRUCTIONS

The CNS 150-1 E heater utilizes natural convection to warm your space silently. Cool air enters the bottom, is heated by the internal element, and rises out of the top, creating a continuous circulation of warm air.

Temperature Control:

This heater features a built-in thermostat with a selectable temperature range from 41°F (5°C) to 86°F (30°C). Adjust the thermostat dial to your desired comfort level. The heater will cycle on and off to maintain the set temperature.

Your browser does not support the video tag.

Video: This video from Stiebel Eltron provides an overview of wall-mounted electric space heaters, including fan heaters and convection heaters. It explains the operating principles of each type and factors to consider when choosing a heater for your home or office, such as mounting, electrical requirements, and heating capacity. The video highlights that convection heaters, like the CNS 150-1 E, operate silently without a fan.

Frost Protection Setting:

The heater includes a frost protection setting, typically indicated by a snowflake symbol on the thermostat dial. When activated, this setting will maintain the room temperature above freezing (approximately 41°F / 5°C) to prevent pipes from freezing in unoccupied or rarely used spaces.

Heating Capacity:

The 1500-watt CNS 150-1 E is designed to effectively heat an area of approximately 150 square feet. For larger rooms, multiple units can be installed to achieve optimal comfort. This unit can replace approximately 6 feet (1.8 meters) of traditional baseboard heating.



Image: The Stiebel Eltron CNS 150-1 E heater is shown installed on a wall in a modern bathroom, demonstrating its sleek, slim-line design and how it integrates into a living space.

MAINTENANCE

The Stiebel Eltron CNS 150-1 E heater requires minimal maintenance. Regular cleaning will help ensure efficient operation and prolong the life of the unit.

Cleaning:

- Always disconnect power to the heater at the circuit breaker before cleaning.
- Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the air intake and outlet vents are free from dust and debris. Use a vacuum cleaner with a brush attachment if necessary.
- Do not spray water directly onto the heater.

No Internal User-Serviceable Parts:

There are no user-serviceable parts inside the heater. Any internal maintenance or repairs should only be performed by qualified service personnel.

TROUBLESHOOTING

If your Stiebel Eltron CNS 150-1 E heater is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply; circuit breaker tripped; thermostat set too low.	Check circuit breaker; ensure power is supplied; increase thermostat setting.
Insufficient heating.	Room size exceeds heater capacity; thermostat set too low; air vents blocked.	Verify heater sizing for the room; increase thermostat setting; clear any obstructions from vents.
Heater runs continuously.	Thermostat set too high; heater undersized for the room.	Lower thermostat setting; consider adding another unit for larger spaces.

If the problem persists after attempting these solutions, contact a qualified electrician or Stiebel Eltron customer support.

SPECIFICATIONS

- **Model:** CNS 150-1 E (233587)
- **Brand:** Stiebel Eltron
- **Type:** Wall-Mounted Convection Heater
- **Heating Method:** Natural Convection
- **Power Output:** 1500 Watts (5118 BTU/hr)
- **Voltage:** 120 Volts
- **Amperage:** 12.5 Amps
- **Heating Coverage:** Up to 150 sq ft
- **Dimensions (H x W x D):** 18" x 23.25" x 4"
- **Weight:** 12.6 pounds

- **Thermostat:** Built-in, adjustable (41°F - 86°F) with frost protection
- **Installation:** Hardwired, Surface Mount
- **Special Features:** Noiseless operation
- **Color:** White
- **Indoor/Outdoor Usage:** Indoor only

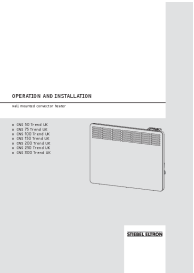
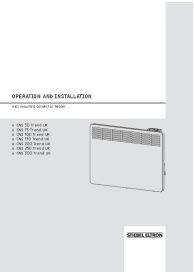

WARRANTY INFORMATION

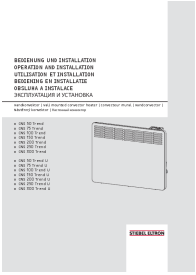


The Stiebel Eltron CNS 150-1 E Wall-Mounted Convection Heater comes with a **3-year limited warranty**. This warranty covers defects in materials and workmanship under normal use and service. For complete warranty terms and conditions, please refer to the documentation included with your product or visit the official Stiebel Eltron website. Retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Stiebel Eltron customer support. You can find contact information on the official Stiebel Eltron website or in the product packaging. When contacting support, please have your model number (CNS 150-1 E) and serial number ready.

Related Documents - CNS 150-1 E (Model 233587)

	<p>STIEBEL ELTRON CNS Trend UK Wall Mounted Convector Heater Operation and Installation Manual</p> <p>This manual provides comprehensive instructions for the operation and installation of STIEBEL ELTRON CNS Trend UK series wall-mounted convector heaters. It covers safety guidelines, appliance description, operation modes, settings, cleaning, maintenance, troubleshooting, installation procedures, electrical connections, specifications, and environmental information.</p>
	<p>STIEBEL ELTRON CNS Trend UK Convector Heater: Operation and Installation Manual</p> <p>Comprehensive guide for STIEBEL ELTRON CNS Trend UK wall-mounted convector heaters, covering operation, installation, safety, specifications, and troubleshooting. Includes models CNS 50, 75, 100, 150, 200, 250, 300.</p>
	<p>STIEBEL ELTRON CNS Plus LCD Bedienungs- und Installationsanleitung</p> <p>Umfassende Anleitung für die Installation, Bedienung und Wartung der STIEBEL ELTRON CNS Plus LCD Wandkonvektoren. Enthält Sicherheitshinweise, technische Daten und Fehlerbehebung.</p>

	<p>STIEBEL ELTRON CNS Trend & CNS Trend U Bedienungsanleitung</p> <p>Umfassende Anleitung für die Bedienung und Installation der STIEBEL ELTRON CNS Trend und CNS Trend U Wandkonvektoren. Enthält Sicherheitshinweise, Gerätebeschreibung, Bedienung, Einstellungen, Reinigung, Fehlerbehebung und technische Daten.</p>
	<p>Stiebel Eltron CNS Plus LCD Convector: Operation and Installation Guide</p> <p>Comprehensive guide for the Stiebel Eltron CNS Plus LCD wall-mounted convector, covering operation, installation, settings, troubleshooting, and warranty information for models CNS 1000, CNS 1500, and CNS 2000 Plus LCD (AU).</p>
	<p>Stiebel Eltron PSH Classic: Bedienungs- und Installationsanleitung</p> <p>Umfassende Anleitung zur Bedienung und Installation der Stiebel Eltron PSH Classic Serie von Warmwasserbereitern. Enthält Sicherheitsinformationen, Wartungshinweise und technische Daten für die Modelle PSH 50 bis PSH 200 Classic.</p>