

## Viessmann 7839705

# Viessmann 7839705 Radial Fan RG148E Instruction Manual

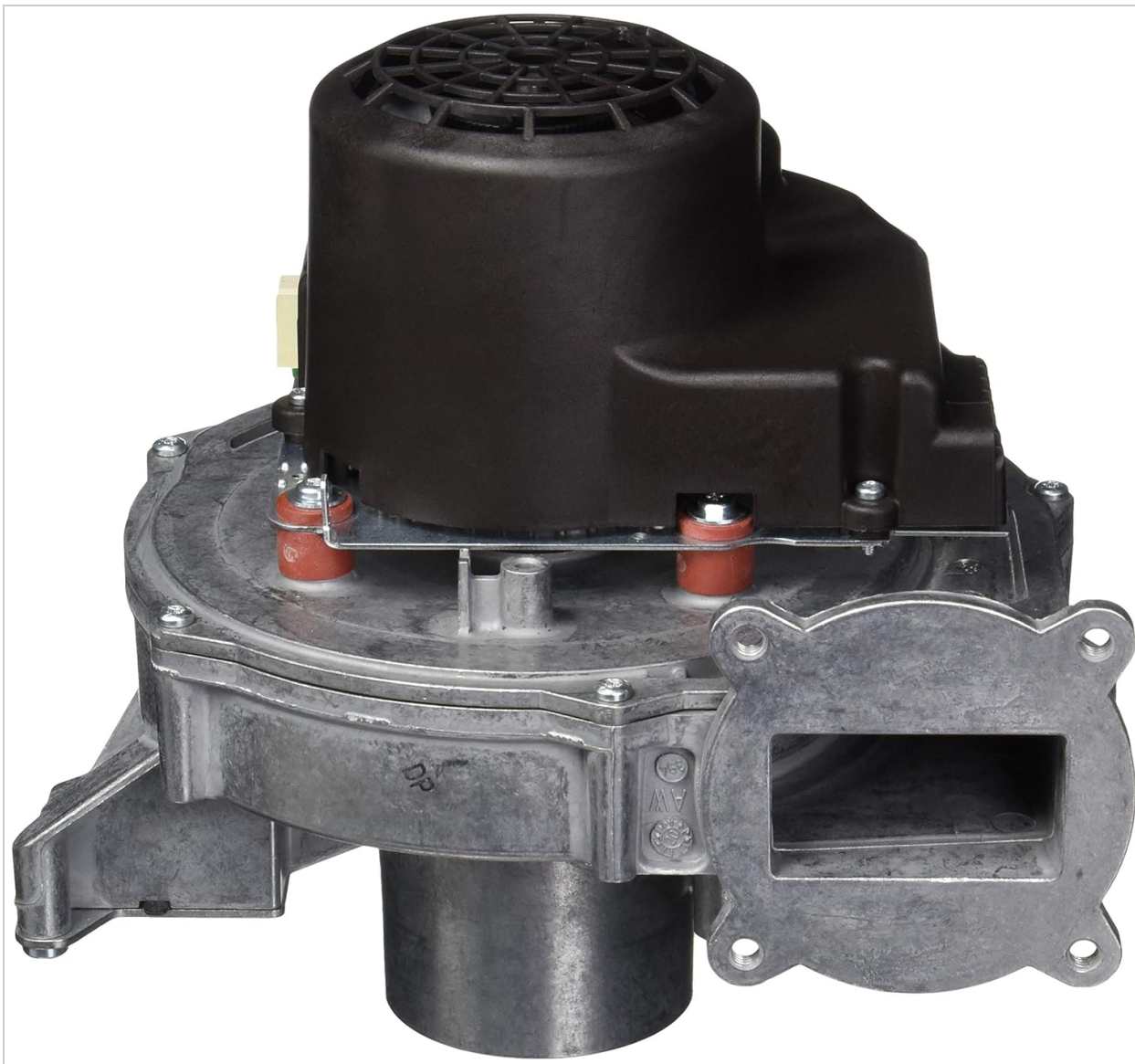
FOR VITODENS 200-W B2HA 45/60 SERIES BOILERS

## 1. Introduction

This manual provides essential information for the Viessmann 7839705 Radial Fan RG148E, a replacement component for Vitodens 200-W B2HA 45/60 Series Residential Wall-Mounted Gas-Fired Condensing Boilers. It covers product overview, safety guidelines, installation considerations, and specifications. Please read this document thoroughly before any handling or installation procedures.

## 2. Product Overview

The Viessmann 7839705 Radial Fan RG148E is a critical component designed to ensure optimal performance and safety within compatible Viessmann boiler systems. This fan is specifically engineered for use with Vitodens 200-W B2HA 45/60 Series Residential Wall-Mounted Gas-Fired Condensing Boilers.



**Figure 2.1:** An image showing the Viessmann 7839705 Radial Fan RG148E, a component designed for Vitodens 200-W B2HA 45/60 Series Boilers. The fan features a black motor housing on top of a metallic, grey fan casing with an rectangular air outlet.

#### Key Features:

- Direct replacement for specified Viessmann boiler models.
- Designed for residential wall-mounted gas-fired condensing boilers.
- Ensures proper air intake and exhaust for combustion.

### 3. Safety Information

**WARNING: Improper installation, adjustment, service, or maintenance can lead to property damage, personal injury, or loss of life. This product must be installed and serviced by a qualified professional.**

- All work involving this radial fan and the associated boiler system must be performed by a licensed professional heating contractor.
- The contractor must be qualified to work with hot water boilers and gas-fired appliances.
- Always disconnect power to the boiler before attempting any installation, service, or maintenance.
- Follow all local codes and regulations, as well as manufacturer instructions for the boiler system.

### 4. Installation

Installation of the Viessmann 7839705 Radial Fan RG148E is a complex procedure that requires specialized knowledge and tools. It must be performed exclusively by a licensed professional heating contractor.

**Installation Guidelines for Professionals:**

1. **Compatibility Verification:** Before installation, verify that the radial fan is the correct replacement part for the specific boiler model. Provide the manufacturer with the 16-digit boiler serial number or the 12-digit ASME/NB serial number to ensure a proper fit.
2. **Power Disconnection:** Ensure the main power supply to the boiler is completely disconnected and locked out before beginning any work.
3. **Removal of Old Component:** Carefully remove the existing radial fan, noting all electrical connections and mounting points.
4. **New Component Installation:** Install the new Viessmann 7839705 Radial Fan RG148E, ensuring all connections are secure and mounting hardware is properly tightened according to the boiler manufacturer's specifications.
5. **Electrical Connections:** Reconnect electrical wiring as per the boiler's wiring diagram. Verify all connections are correct and secure.
6. **System Testing:** After installation, perform a thorough system test to ensure proper operation of the fan and boiler, checking for any leaks, unusual noises, or error codes.

## 5. Operation

The Viessmann 7839705 Radial Fan RG148E operates as an integral part of the Vitodens 200-W B2HA 45/60 Series Boiler system. Its operation is automatically controlled by the boiler's internal control unit to facilitate combustion and exhaust processes. There are no user-adjustable settings directly on the fan itself. For information regarding the overall operation of your boiler system, refer to the specific instruction manual provided with your Viessmann Vitodens 200-W B2HA 45/60 Series Boiler.

## 6. Maintenance

Regular maintenance of the boiler system, including components like the radial fan, is essential for efficient and safe operation. All maintenance procedures must be carried out by a licensed professional heating contractor.

**Maintenance Recommendations:**

- Schedule annual inspections and maintenance for your boiler system by a qualified technician.
- During maintenance, the technician should inspect the radial fan for signs of wear, damage, or obstruction.
- Ensure that the fan operates quietly and without excessive vibration.
- Keep the area around the boiler clear of obstructions to ensure proper airflow.

## 7. Troubleshooting

If you experience issues with your boiler system, such as unusual noises, error codes, or a complete shutdown, it may indicate a problem with the radial fan or another component. Due to the complexity and safety risks associated with gas-fired boiler systems, troubleshooting should only be performed by a licensed professional heating contractor.

**Common Indicators of Fan Issues (to be reported to a professional):**

- Loud or unusual noises coming from the boiler.

- Boiler failing to ignite or cycle properly.
- Error codes displayed on the boiler control panel related to combustion or airflow.

Do not attempt to repair or replace the fan yourself if you are not a qualified professional.

## 8. Specifications







| Specification            | Detail                  |
|--------------------------|-------------------------|
| Manufacturer             | Viessmann               |
| Brand                    | Viessmann               |
| Model Number             | 7839705                 |
| Item Weight              | 7.13 pounds             |
| Package Dimensions       | 11.2 x 9.9 x 9.8 inches |
| Manufacturer Part Number | 7839705                 |
| ASIN                     | B0875CM2RT              |
| Date First Available     | April 15, 2020          |

## 9. Warranty and Support

For information regarding the warranty of the Viessmann 7839705 Radial Fan RG148E, please refer to the documentation provided with your original boiler system or contact Viessmann directly. For technical support, service, or replacement parts, always consult a licensed professional heating contractor or contact Viessmann customer service.

When contacting for support or parts, be prepared to provide the 16-digit boiler serial number or the 12-digit ASME/NB serial number to ensure accurate assistance and proper part identification.

### Related Documents - 7839705

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|  <p>The image shows the cover of a Viessmann Domestic Gas Boiler Guide. It features the Viessmann logo at the top right and a photograph of a white Vitodens boiler unit on the left. The title 'Domestic Gas Boiler Guide' is visible at the top.</p>                                | <p><a href="#">Viessmann Domestic Gas Boiler Guide: Vitodens Series Overview</a></p> <p>Explore the Viessmann Vitodens range of domestic gas condensing boilers, including models 050-W, 100-W, 111-W, 200-W, and 222-F. Learn about features, specifications, installation, and digital services.</p>   |
|  <p>The image shows the cover of a Viessmann Vitodens Gas Boiler Guide. It features the Viessmann logo at the top right and a photograph of several white Vitodens boiler units of different sizes on the left. The title 'Domestic Gas Boiler Guide' is visible at the top.</p>      | <p><a href="#">Viessmann Vitodens Gas Boiler Guide: Efficient Heating Solutions</a></p> <p>Explore the Viessmann Vitodens range of high-efficiency gas condensing boilers, including models 050-W, 100-W, 111-W, 200-W, 222-F, and 242-F. Learn about their features, benefits, technical specifications, installation accessories, and control systems for optimal home comfort and energy savings.</p> |
|  <p>The image shows the cover of Viessmann Vitodens 200-W B2HA Installation Instructions. It features the Viessmann logo at the top right and a photograph of the boiler unit on the left. The title 'VITODENS 200-W' is visible at the top.</p>                                    | <p><a href="#">Vitodens 200-W B2HA Installation Instructions</a></p> <p>Comprehensive installation instructions for the Viessmann Vitodens 200-W B2HA series gas-fired condensing boiler, covering safety, general information, setup, and connections.</p>  |
|  <p>The image shows the cover of Viessmann Heat Exchanger Installation Instructions. It features the Viessmann logo at the top right and a photograph of a heat exchanger unit on the left. The title 'Heat Exchanger' is visible at the top.</p>                                   | <p><a href="#">Viessmann Heat Exchanger Installation Instructions for Vitodens Boilers</a></p> <p>Detailed installation and service instructions for Viessmann Heat Exchangers, compatible with Vitodens 100-W, B1HA, B1KA, Vitodens 200-W, B2HB, and B2TB boilers. Includes part numbers, safety requirements, removal, replacement, and reassembly procedures.</p>                                     |
|  <p>The image shows the cover of Viessmann Burner Gaskets Installation Instructions. It features the Viessmann logo at the top right and a photograph of burner gaskets on the left. The title 'Burner Gaskets' is visible at the top.</p>  | <p><a href="#">Viessmann Burner Gaskets Installation Instructions</a></p> <p>Installation instructions for Viessmann burner gaskets, including safety requirements, installation procedures, and torque specifications for various gasket models used with Viessmann boilers.</p>  |
|  <p>The image shows the cover of Viessmann Auxiliary Low Gas Pressure Switch Installation Guide. It features the Viessmann logo at the top right and a photograph of the pressure switch unit on the left. The title 'Auxiliary Low Gas Pressure Switch' is visible at the top.</p> | <p><a href="#">Viessmann Auxiliary Low Gas Pressure Switch Installation Guide</a></p> <p>Installation instructions for the Viessmann Auxiliary Low Gas Pressure Switch (Part No. 7842160) for use with Vitodens 200-W B2HA-150 and B2HA-530 boilers. Covers safety, installation steps, operation, and fault generation.</p>   |

