

Vaillant 255025

Vaillant 255025 Motor VHR.C (NL) VC-VCW 196 E Instruction Manual

Model: 255025

INTRODUCTION

This instruction manual provides essential information for the safe and efficient installation, operation, and maintenance of the Vaillant 255025 Motor VHR.C (NL) VC-VCW 196 E. This motor is designed as a replacement component for specific Vaillant heating systems, including models VC 126 E-C, VC 196 E-C, and VC 246 E-C. Please read this manual thoroughly before proceeding with any installation or maintenance procedures.

SAFETY INFORMATION

Important: Installation and maintenance of this component must only be performed by qualified and authorized personnel. Failure to comply with safety instructions may result in property damage, personal injury, or death.

- Always disconnect power to the heating system before beginning any work.
- Ensure the work area is clean, dry, and well-lit.
- Use appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Verify that the replacement part is compatible with your specific Vaillant heating system model.
- Refer to the main heating system's instruction manual for additional safety guidelines.

PRODUCT OVERVIEW

The Vaillant 255025 Motor is a critical component for the proper functioning of compatible Vaillant VHR.C and VC-VCW series heating systems. It is designed for reliable performance and precise control within the boiler's operational parameters.



Figure 1: Vaillant 255025 Motor in its original packaging. The packaging clearly displays the model number '255025' and the Vaillant brand logo, indicating it is a genuine replacement part.



Figure 2: Close-up of the Vaillant 255025 Motor packaging, showing the model number, product description in multiple languages, and a barcode (UPC: 4024074293737).

While the primary product is the Vaillant 255025 Motor, some images provided illustrate a related component, the VC8010 Actuator, which often works in conjunction with such motors in heating systems. The principles of installation and connection for similar components are generally consistent.



Figure 3: Front view of a VC8010 Double Insulated Actuator, an example of a component that might be used with the Vaillant motor. It displays specifications like "24 VAC 50 HZ" and "IP40".

SETUP AND INSTALLATION

Installation of the Vaillant 255025 Motor requires technical expertise. It is strongly recommended that a certified HVAC technician performs the installation to ensure safety and proper system function.

1. **Preparation:** Turn off the main power supply to the heating system at the circuit breaker. Close any relevant water or gas valves.
2. **Access:** Carefully open the boiler casing to access the motor assembly. Refer to your boiler's specific service manual for exact access procedures.
3. **Removal of Old Motor:** Disconnect any electrical wiring from the old motor, noting their positions for correct re-connection. Detach the motor from its mounting points.
4. **Installation of New Motor:** Position the new Vaillant 255025 Motor in place. Secure it using the appropriate fasteners.
5. **Wiring:** Reconnect the electrical wiring to the new motor. Ensure all connections are secure and match the original configuration.
6. **System Reassembly:** Close the boiler casing. Restore water/gas supply and turn on the main power.
7. **Testing:** Perform a functional test of the heating system to ensure the new motor operates correctly and there are no leaks or unusual noises.



Figure 4: Example wiring diagram for a 2-wire common valve actuator. This diagram illustrates typical electrical connections for such components, showing control, closed, and open positions, and power input. Always refer to the specific wiring diagram provided with your Vaillant boiler or the motor itself.

OPERATING INSTRUCTIONS

The Vaillant 255025 Motor operates automatically as part of your heating system's control logic. Once correctly installed, it will respond to signals from the boiler's thermostat and control board to regulate the flow of heating medium or air, depending on its specific application within the system.

No direct user interaction is typically required for the motor itself. Ensure your heating system's main controls (thermostat, programmer) are set according to your desired heating schedule and temperature.

MAINTENANCE

Regular maintenance of your heating system, including components like the Vaillant 255025 Motor, is crucial for longevity and efficiency. It is recommended to have your heating system inspected annually by a qualified technician.

- **Visual Inspection:** During routine boiler servicing, the technician should visually inspect the motor for any signs of wear, corrosion, or damage.
- **Cleanliness:** Ensure the area around the motor is free from dust and debris, which can impede its operation or lead to overheating.
- **Operational Check:** The technician should verify that the motor operates smoothly and quietly, without unusual vibrations or noises.

TROUBLESHOOTING

If your heating system is not functioning correctly after motor replacement, consider the following:

- **No Power:** Check if the main power supply to the boiler is on and if any circuit breakers have tripped.
- **Incorrect Wiring:** Double-check all electrical connections against the wiring diagram. Loose or incorrect wiring is a common cause of malfunction.
- **Unusual Noises:** If the motor makes grinding or excessive noise, it may indicate an issue with the motor itself or its connection to the valve/damper.
- **System Error Codes:** Consult your boiler's main instruction manual for any error codes displayed on the control panel.

For persistent issues, contact a qualified HVAC technician. Do not attempt complex repairs yourself unless you are certified to do so.

SPECIFICATIONS

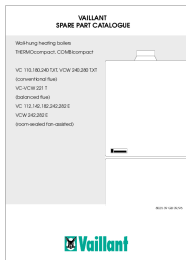
Feature	Detail
Brand	Vaillant
Model Number	255025
Compatible with	Vaillant VC 126 E-C, VC 196 E-C, VC 246 E-C, etc.
Product Dimensions (L x W x H)	11 x 7 x 9 cm
Item Weight	281 grams
Manufacturer	Vaillant
Batteries Required	No
ASIN	B003W53BS8
UPC	4024074293737

WARRANTY AND SUPPORT

For information regarding the warranty of your Vaillant 255025 Motor, please refer to the documentation provided with your original heating system or contact Vaillant customer support directly. Keep your purchase receipt as proof of purchase.

For technical assistance or to locate an authorized service provider, visit the official Vaillant website or contact their customer service department.

Related Documents - 255025



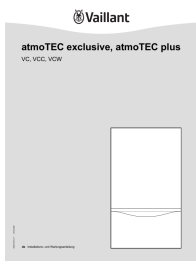
[Vaillant Spare Part Catalogue: THERMOcompact & COMBIcompact Heating Boilers](#)

Official spare parts catalogue from Vaillant for THERMOcompact and COMBIcompact wall-hung heating boilers. Find components for VC and VCW series models.



Vaillant atmoTEC exclusive, atmoTEC plus Operating Instructions

Comprehensive operating instructions for the Vaillant atmoTEC exclusive and atmoTEC plus heating boilers (VC, VCC, VCW models), covering safety, operation, maintenance, troubleshooting, and technical specifications for efficient home heating.



Vaillant atmoTEC exclusive/plus VC/VCC/VCW Installations- und Wartungsanleitung

Umfassende Installations- und Wartungsanleitung für Vaillant atmoTEC exclusive und atmoTEC plus Gas-Wärmeerzeuger (Modelle VC, VCC, VCW). Enthält Sicherheitshinweise, Produktinformationen, Installationsschritte, Bedienung und Fehlerbehebung.



[Vaillant ecoTEC plus Operating Instructions for Gas-Fired Boilers](#)

Official operating instructions for the Vaillant ecoTEC plus series of gas-fired wall-hung boilers. Covers safety, product description, operation, maintenance, troubleshooting, and warranty information.



Vaillant ecoTEC Gas Wall Boilers Operating Manual

Comprehensive operating manual for Vaillant ecoTEC gas wall boilers with condensing appliance technology (models VU 466/4, VU 656/4). Covers installation, operation, safety guidelines, energy-saving tips, troubleshooting, maintenance, and customer service.



Vaillant multiMATIC VRC 700/4 System Diagram Book

This document provides essential system and connection diagrams for the Vaillant multiMATIC VRC 700/4 heating control system, designed for competent persons and installers to understand various system configurations and component interconnections.

