

KBREE KBREE

KBREE Dishwasher Heat Pump 00651956 User Manual

MODEL: KBREE (PART NUMBER: 00651956)

Brand: KBREE

1. INTRODUCTION

This instruction manual provides essential information for the KBREE Dishwasher Heat Pump, part number 00651956. This component is designed as a replacement part for various dishwasher models from brands such as Balay, Blaupunkt, Bosch, Constructa, Gaggenau, Koenic, Neff, Profilo, Siemens, and Zelmer. Please read this manual carefully before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always disconnect the dishwasher from the main power supply before attempting any installation, maintenance, or repair. Failure to do so can result in electric shock or serious injury.
- Installation and replacement of this heat pump should ideally be performed by a qualified technician or a professional appliance repair service. Incorrect installation can lead to damage to the appliance or personal injury.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation.
- Ensure all connections are secure and properly sealed to prevent water leaks.
- Keep children and pets away from the work area during installation.

This heat pump is an original replacement part. Use only genuine or approved replacement parts to maintain appliance safety and performance.

3. PRODUCT OVERVIEW

The KBREE 00651956 Dishwasher Heat Pump is a critical component responsible for heating water and assisting in the drying process within your dishwasher. It is an integral part of the dishwasher's thermal system.

The heat pump system typically includes a compressor, a capillary tube, a condenser located inside the dishwasher cabinet, and an evaporator within a water tank. During operation, the dishwasher cabinet, including the dishes and crockery, acts as a heat sink. The water in the tank, which may freeze during certain cycles, serves as the heat source for the system.



Figure 1: Top-down view of the KBREE 00651956 Dishwasher Heat Pump, showing the main housing and inlet/outlet ports.



Figure 2: Side view of the heat pump, highlighting the electrical connector block and mounting points.



Figure 3: Rear view of the heat pump, showing the motor housing and additional structural details.

4. INSTALLATION

Note: Due to the complexity and safety requirements, professional installation by a certified technician is strongly recommended.

General Installation Steps (Consult your dishwasher's service manual for specific instructions):

1. **Disconnect Power:** Ensure the dishwasher is completely disconnected from the electrical supply at the circuit breaker.
2. **Access the Heat Pump:** Depending on your dishwasher model, you may need to pull the appliance out, remove the

lower access panel, or tilt the dishwasher to access the heat pump assembly.

3. **Drain Water:** If there is water in the dishwasher tub or sump, it may need to be drained before removing the heat pump.
4. **Disconnect Connections:** Carefully disconnect all electrical wiring and water hoses connected to the old heat pump. Note their positions for reassembly.
5. **Remove Old Heat Pump:** Unfasten any mounting screws or clips securing the old heat pump and carefully remove it from the dishwasher.
6. **Install New Heat Pump:** Position the new KBREE 00651956 heat pump in place, ensuring it aligns correctly with mounting points. Secure it with screws or clips.
7. **Reconnect Connections:** Reconnect all water hoses and electrical wiring to the new heat pump. Double-check that all connections are tight and secure to prevent leaks and ensure proper electrical contact.
8. **Test for Leaks:** Before fully reassembling the dishwasher, run a short cycle and carefully check for any water leaks around the new heat pump connections.
9. **Reassemble:** Once confirmed leak-free, reattach any removed panels and push the dishwasher back into its position.
10. **Restore Power:** Reconnect the dishwasher to the main power supply.

5. OPERATING FUNCTION

The heat pump operates automatically as part of the dishwasher's wash and dry cycles. Its primary functions include:

- **Water Heating:** During wash cycles, the heat pump contributes to heating the water to the desired temperature for effective cleaning.
- **Drying Assistance:** In drying cycles, the heat pump helps to remove moisture from the dishwasher interior, facilitating more efficient drying of dishes.

There are no user-adjustable settings directly related to the heat pump's operation. Its function is controlled by the dishwasher's main control board based on the selected wash program.

6. MAINTENANCE

The KBREE 00651956 Dishwasher Heat Pump itself is generally not a user-serviceable component. Regular maintenance of your dishwasher can help ensure the longevity of all its parts, including the heat pump.

General Dishwasher Maintenance Tips:

- **Clean Filters:** Regularly clean the dishwasher's filters to prevent blockages and ensure proper water circulation.
- **Use Descaler:** Periodically run a dishwasher cleaning cycle with a descaling agent to remove mineral buildup, especially in hard water areas.
- **Inspect Spray Arms:** Ensure spray arm holes are clear of debris for optimal water distribution.
- **Check for Leaks:** Promptly address any signs of water leaks to prevent damage to the appliance and surrounding areas.

If you suspect an issue with the heat pump, it is recommended to contact a qualified service technician for diagnosis and repair.

7. TROUBLESHOOTING

If your dishwasher is experiencing issues that might be related to the heat pump, consider the following common symptoms. Note that these issues can also be caused by other components, and professional diagnosis is often required.

- **No Heat / Cold Water:** If the dishwasher is not heating water during wash cycles, the heat pump or its associated heating element may be faulty.
- **Poor Drying Performance:** Inadequate drying of dishes could indicate a problem with the heat pump's drying function.
- **Unusual Noises:** Grinding, humming, or rattling noises coming from the bottom of the dishwasher during operation could suggest an issue with the heat pump's motor or impeller.
- **Error Codes:** Some dishwashers may display specific error codes related to heating or circulation issues, which could point to the heat pump. Consult your dishwasher's user manual for error code interpretations.

Action: If you encounter any of these symptoms, it is advisable to contact a qualified appliance repair technician. Attempting repairs without proper knowledge and tools can be dangerous and may void your appliance's warranty.

8. SPECIFICATIONS

Feature	Specification
Brand	KBREE
Part Number	00651956
Model Reference	KBREE
Product Dimensions (L x W x H)	2.54 x 2.54 x 2.54 cm
Item Weight	1 gram
Type	Heating Pump for Dishwasher
Compatibility	Suitable for certain models of Balay, Blaupunkt, Bosch, Constructa, Gaggenau, Koenic, Neff, Profilo, Siemens, Zelmer dishwashers.
Spare Parts Availability	Information unavailable
ASIN	B0BCYP52Z5
First Available Date	September 3, 2022

9. WARRANTY AND SUPPORT

Warranty information for the KBREE 00651956 Dishwasher Heat Pump should be obtained directly from the seller or the manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims.

For technical support, installation assistance, or troubleshooting beyond the scope of this manual, please contact a qualified appliance repair professional or the customer service department of the retailer where the product was purchased.

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