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› [Eachave Dometic 3312195.000 RV AC Motor Capacitor 60/5 MFD Instruction Manual](#)

## Eachave 3312195.000

# Eachave Dometic 3312195.000 RV AC Motor Capacitor Instruction Manual

Model: 3312195.000

## 1. Product Overview

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This manual provides essential information for the safe and effective installation, operation, and maintenance of your Eachave 3312195.000 RV AC Motor Capacitor. This component is designed to stabilize voltage and current, optimizing motor speed and power for your recreational vehicle's air conditioning system.



Image 1.1: The Eachave 3312195.000 RV AC Motor Capacitor, a cylindrical component with multiple terminals at one end.

## 2. Safety Information

**WARNING:** Electrical components can be dangerous. Improper installation or handling may result in serious injury or death. Always disconnect power before servicing any electrical equipment.

- Ensure the RV's main power supply is disconnected and verified before beginning any work.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Capacitors can store an electrical charge even after power is disconnected. Discharge the capacitor safely before handling. If you are unsure how to do this, seek assistance from a qualified technician.
- Do not attempt installation if you are not familiar with electrical systems. Consult a certified RV technician.

## 3. Compatibility

This capacitor is designed as a replacement for Dometic RV air conditioner models. It is compatible with units requiring a 3312195.000 motor capacitor, including but not limited to:

- 57915.741

- B595146
- B59146
- B59186
- B59196

Always verify the specifications and part number of your existing capacitor before purchasing to ensure proper fit and function.



## COMPATIBLE DOMETIC AC MODELS

• B59146

• B59186

• 57915.741

• B595146

• B59196

**Please verify the specifications  
before placing your order.**

Image 3.1: Visual representation of compatible Dometic AC models, emphasizing the need for verification.

## 4. Specifications

Key technical specifications for the Eachave 3312195.000 RV AC Motor Capacitor:

Specification	Value
Voltage	370VAC
Capacitance	60/5 MFD

Operating Temperature	-40°F to +185°F (-40°C to +85°C)
Frequency	50/60Hz
Humid Heat Test Duration	21 days
Material	Aluminum, Ceramic, Plastic
Mounting Type	Snap-In Mount

# SPECIFICATION

**VOLTAGE** 370VAC

**CAPACITANCE** 60/5 MFD

**OPERATING TEMPERATURE** 40/70/21

**POWER FREQUENCY** 50/60HZ

**DURATION OF CONSTANT HUMIDHEAT TEST** 21 DAYS



CBB65 1905461 3100248.677  
01.03.13.39.014  
60/5μF±5% 370VAC  
5μF FAN(2) C(4)  
60μF HERM(3)  
40/70/21 SH.S2 50/60HZ  
E235355  
Protected 10,000AFC  
RoHS NO PCB'S  
Made in China Wuxi Hongguang

Image 4.1: Detailed specifications of the capacitor, including voltage, capacitance, and operating temperature.

## 5. Installation (Setup)

Follow these steps for safe and proper installation:

- Disconnect Power:** Turn off the main power supply to your RV and the specific air conditioning unit. Verify power is off using a voltage tester.
- Access Capacitor:** Locate and carefully open the access panel for the AC unit's electrical compartment where the capacitor is housed.

3. **Discharge Old Capacitor:** Using a properly insulated screwdriver with a plastic or rubber handle, short the terminals of the old capacitor to safely discharge any residual electrical charge. Exercise extreme caution.
4. **Note Wiring:** Carefully observe and note the wiring connections to the old capacitor. It is highly recommended to take a photograph before disconnecting any wires.
5. **Remove Old Capacitor:** Disconnect the wires from the old capacitor and remove it from its mounting bracket.
6. **Install New Capacitor:** Place the new Eachave 3312195.000 capacitor into the mounting bracket.
7. **Connect Wiring:** Connect the wires to the new capacitor's terminals according to your notes or photograph. The capacitor features three labeled terminals:
  - **"Herm" / "H":** Connects to the compressor motor.
  - **"Fan" / "F":** Connects to the fan motor.
  - **"C":** Connects to the common line.
8. **Secure and Close:** Ensure all connections are secure. Close the electrical compartment access panel.
9. **Restore Power:** Restore power to the RV and the AC unit. Test the air conditioner's operation.



Image 5.1: Diagram illustrating the terminal connections for the compressor motor (Herm/H), fan motor (Fan/F), and

## 6. Operation

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Once correctly installed, the Eachave 3312195.000 capacitor will function automatically with your RV's air conditioning system. It provides the necessary electrical phase shift to start and run both the compressor and fan motors efficiently. This stabilization contributes to consistent cooling performance and system reliability.

## 7. Maintenance

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Capacitors are generally maintenance-free components. However, periodic inspection can help identify potential issues before they lead to system failure:

- **Visual Inspection:** Annually, or if AC performance degrades, visually inspect the capacitor for signs of swelling, leaks, or corrosion around the terminals.
- **Performance Check:** If your AC unit struggles to start, makes unusual humming noises, or the fan operates intermittently, the capacitor may be weakening.
- **Timely Replacement:** A weakening capacitor can put strain on your AC motors. Replacing it proactively when signs of wear appear can extend the life of your air conditioning unit.

## 8. Troubleshooting

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If your RV air conditioner is experiencing issues, the capacitor is a common point of failure. Here are some troubleshooting tips:

- **AC Not Starting:** If the compressor or fan motor hums but does not start, or starts slowly, the capacitor may be faulty.
- **Reduced Cooling:** A weak capacitor can lead to inefficient operation, resulting in reduced cooling capacity.
- **Fan Not Running:** If the compressor runs but the fan does not, or vice versa, the corresponding section of the dual-run capacitor may have failed.
- **Visual Signs of Failure:** Look for physical signs of failure on the capacitor, such as bulging at the top or bottom, or a burnt smell.

If you suspect a capacitor failure, follow the safety precautions in Section 2, disconnect power, and inspect or replace the unit. If issues persist after capacitor replacement, consult a qualified technician.

## 9. Warranty and Support

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For warranty information, technical support, or assistance with your Eachave 3312195.000 RV AC Motor Capacitor, please contact Eachave customer service through their official channels. Keep your purchase receipt for warranty claims.

Contact information can typically be found on the product packaging or the Eachave brand website.

