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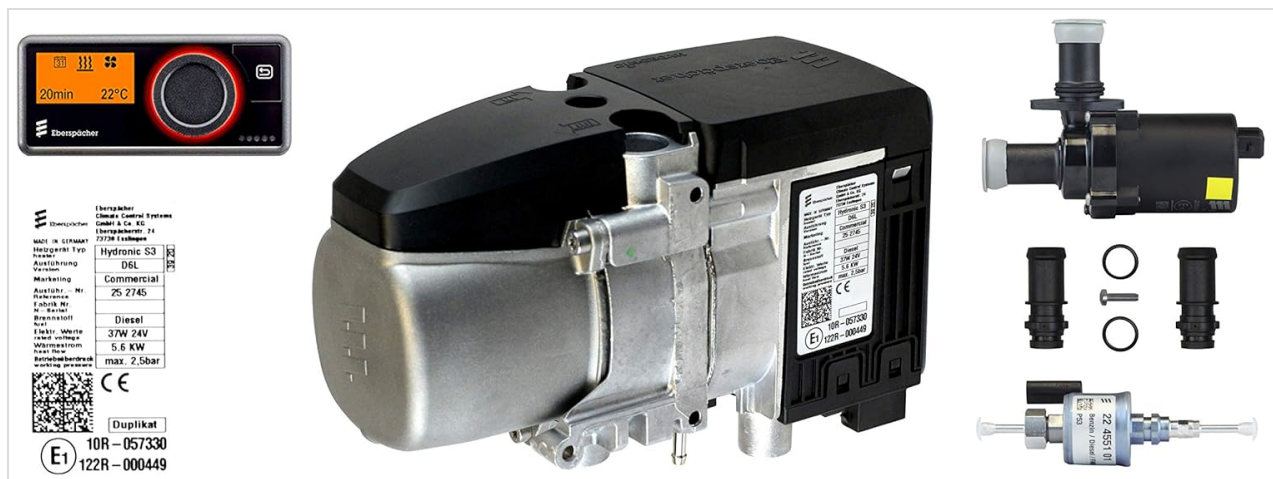
## Eberspächer S3 D6L CS 24V

# Eberspacher S3 D6L CS 24V Heater Kit User Manual

Model: S3 D6L CS 24V | Brand: Eberspächer

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Eberspächer S3 D6L CS 24V Coolant Heater Kit. This third-generation heater is designed for 24V applications, offering advanced technology for efficient and reliable heating. Please read this manual thoroughly before attempting any installation or operation.



**Image 1.1:** Overview of the Eberspächer S3 D6L CS 24V Heater Kit components. This image displays the primary heater unit, the EasyStart Pro control panel, a water pump, fuel lines, and other installation accessories.

## 2. PRODUCT FEATURES

The Eberspächer S3 D6L CS 24V heater incorporates several technological advancements for enhanced

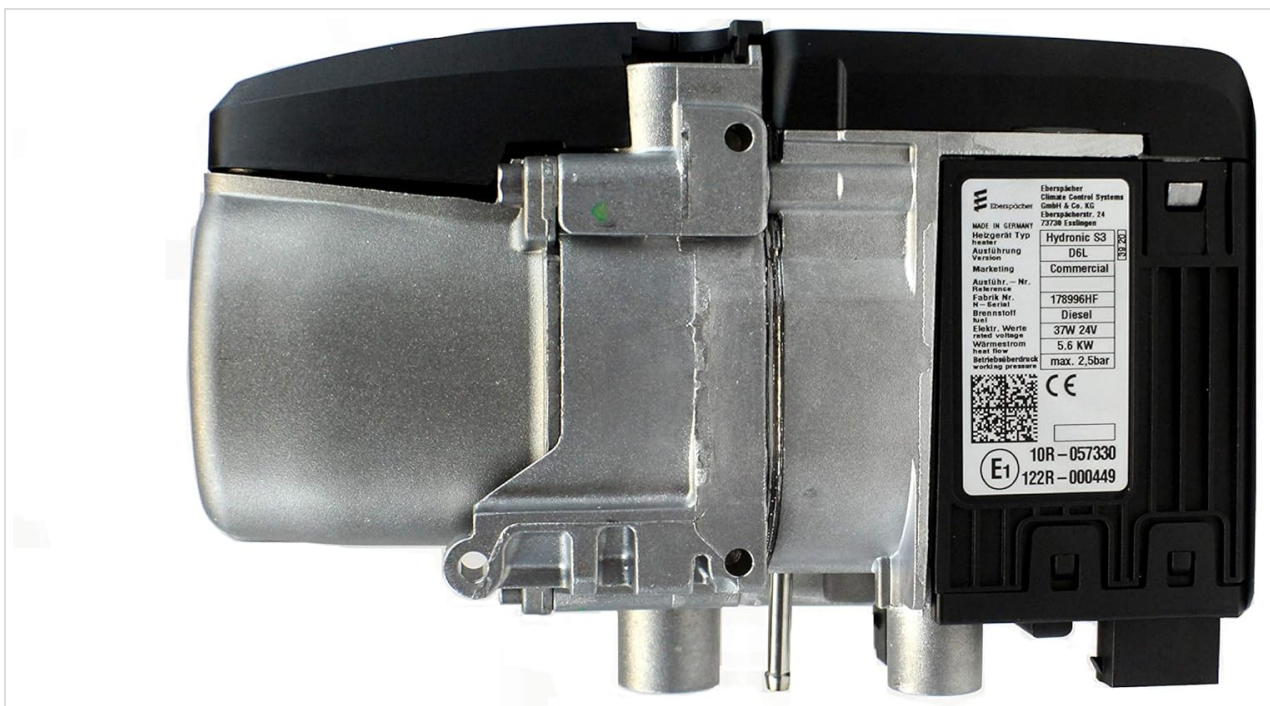
performance and user experience:

- **Improved Fuel Efficiency:** Designed for optimized fuel consumption.
- **Increased BTU Output:** Delivers more heat with a faster operating system.
- **Brushless Fan and Step-less System:** Extends service life to 5000 hours, reducing maintenance frequency.
- **EasyStart Pro Control:** Enables advanced functionalities such as Residual Heat use, which utilizes engine heat to warm the interior when the heater and engine are off.
- **Altitude Operation:** With the EasyStart Pro, the D6L is suitable for operation at altitudes up to 3000 meters.

### 3. SPECIFICATIONS

Key technical data for the Eberspacher S3 D6L CS 24V Heater:

Parameter	Value
Voltage	24 Volts
Heat Flow Range	1300 - 5000 Watts
Fuel Consumption	0.15 - 0.59 liters per hour
Pressure	Up to 2.5 Bar
Minimum Water Flow Rate	300 liters per hour
Delivery Rate	1400 liters per hour



**Image 3.1:** Side view of the Eberspacher S3 D6L CS heater unit. The image highlights the product label with detailed technical specifications and certifications.



pump and fuel line. Ensure all connections are leak-free.

- **Coolant System:** Integrate the heater into the vehicle's coolant circuit according to the provided diagrams in the full installation manual.
- **Electrical Connections:** Connect the wiring harness to the heater, EasyStart Pro control unit, and the vehicle's 24V power supply. Observe correct polarity and fuse ratings.
- **Exhaust System:** Install the exhaust pipe, ensuring it is routed safely away from flammable materials and vehicle occupants.

For detailed, step-by-step instructions, refer to the comprehensive installation manual provided with your Eberspacher S3 D6L CS 24V Heater Kit.

## 6. OPERATING INSTRUCTIONS

The Eberspacher S3 D6L CS 24V heater is controlled via the EasyStart Pro timer. This control unit allows for precise temperature management and scheduling.

### Basic Operation:

- **Power On/Off:** Use the designated button or menu option on the EasyStart Pro to turn the heater on or off.
- **Temperature Setting:** Adjust the desired interior temperature using the control knob or digital interface.
- **Timer Function:** Program specific heating times and durations using the timer settings on the EasyStart Pro.
- **Residual Heat Use:** Activate the Residual Heat function to utilize latent engine heat for interior warming, even when the engine and heater are off.
- **Altitude Mode:** The EasyStart Pro automatically or manually adjusts heater operation for optimal performance at high altitudes (up to 3000 meters).



**Image 6.1:** Close-up view of the EasyStart Pro control unit. The display shows current settings, including time, temperature, and operational icons, with a rotary knob for navigation and adjustments.

Refer to the EasyStart Pro user manual for detailed instructions on all functions and advanced settings.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your Eberspacher S3 D6L CS 24V heater. The brushless fan and step-less system contribute to an extended service interval of up to 5000 operating hours.

### Recommended Maintenance Practices:

- **Routine Inspections:** Periodically check all fuel, coolant, and electrical connections for signs of wear, damage, or leaks.
- **Exhaust System:** Ensure the exhaust pipe is clear of obstructions and free from damage.
- **Air Intake:** Verify that the air intake is unobstructed to allow proper combustion.
- **Professional Service:** Adhere to the recommended service intervals (up to 5000 hours) for professional inspection and maintenance by an authorized Eberspacher service center.

## 8. TROUBLESHOOTING

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If you encounter issues with your Eberspacher S3 D6L CS 24V heater, consider the following basic troubleshooting steps:

- **No Power:** Check the vehicle's 24V power supply and all electrical connections, including fuses.
- **Heater Not Starting:** Ensure there is sufficient fuel in the tank and that the fuel lines are not blocked or leaking. Check for any error codes displayed on the EasyStart Pro.
- **Insufficient Heat:** Verify the temperature setting on the EasyStart Pro. Check coolant levels and circulation.
- **Unusual Noises or Odors:** Immediately turn off the heater and inspect for any visible damage or leaks. Do not operate if unusual conditions persist.

For specific error codes and advanced troubleshooting, consult the detailed EasyStart Pro user manual or contact an authorized Eberspacher service technician.

## 9. WARRANTY AND SUPPORT

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The Eberspacher S3 D6L CS 24V Heater Kit comes with a warranty to cover manufacturing defects.

- **Warranty Period:** 2 years or 2000 operating hours, whichever comes first.
- **Support:** For technical assistance, warranty claims, or to locate an authorized service center, please contact Eberspacher customer support or visit their official website.

Please retain your proof of purchase for warranty purposes.

