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› Alphasew NA35K-HS Sewing Machine Motor Instruction Manual

## Alphasew NA35K-HS

# Alphasew NA35K-HS Sewing Machine Motor Instruction Manual

Model: NA35K-HS

## INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Alphasew NA35K-HS High Speed Domestic Sewing Machine Motor. This heavy-duty motor is designed to fit many older sewing machines, including Singer HA-1, 15, 66, 99, and 99K class machines. Please read this manual thoroughly before use.

## PACKAGE CONTENTS

- Alphasew NA35K-HS Sewing Machine Motor
- K-Bracket (pre-attached or included for mounting)
- Power Plug
- New Drive Belt
- Extra Motor Brushes



Image: Included accessories with the Alphasew motor, featuring the drive belt, motor brushes, and mounting screw.

## SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Motor Mounting:**
  - Locate the screw hole below the handwheel of your sewing machine.
  - Attach the motor's K-bracket to the machine using a suitable screw. Ensure the motor is securely fastened but allows for slight adjustment to tension the belt.



Image: Side view of the Alphasew motor, highlighting the K-bracket for attachment to the sewing machine.

### 3. Belt Installation:

- Place the new drive belt around the motor pulley and the handwheel of your sewing machine.
- Adjust the motor's position slightly to achieve proper belt tension. The belt should be taut but not overly tight, allowing for smooth rotation without slipping.



Image: Front view of the Alphasew motor, displaying the pulley for belt attachment.

#### 4. Electrical Connection:

- Connect the motor's power plug to a compatible foot pedal (not included).
- Plug the foot pedal into a standard 110V AC power outlet.

## OPERATING INSTRUCTIONS

1. **Power On:** Ensure all connections are secure before plugging into a power source.
2. **Speed Control:** The motor's speed is controlled by the foot pedal connected to your sewing machine. Apply gentle pressure for slower speeds and increased pressure for higher speeds.
3. **Motor Rotation:** This motor operates with a counterclockwise rotation, which is standard for most domestic sewing machines.
4. **Initial Test:** Before sewing on fabric, perform a brief test run to ensure the motor and machine operate smoothly.



Image: The Alphasew sewing machine motor, ready for installation and operation.

## MAINTENANCE

- **Motor Brushes:** The motor includes extra brushes. If the motor experiences intermittent power or reduced performance over time, the carbon brushes may need replacement. Consult a qualified technician or refer to specific instructions for brush replacement.
- **Belt Tension:** Periodically check the drive belt tension. A loose belt can slip, while an overly tight belt can strain the motor and machine. Adjust the motor's position as needed to maintain optimal tension.
- **Cleaning:** Keep the motor free from dust and lint. Use a soft, dry cloth to wipe the exterior. Avoid using liquids or abrasive cleaners.

## TROUBLESHOOTING

- **Motor Not Running:**
  - Check all electrical connections, including the power outlet and foot pedal.
  - Ensure the foot pedal is functioning correctly.
  - Inspect motor brushes for wear.
- **Reduced Power/Speed:**
  - Verify proper belt tension.
  - Check for any obstructions in the sewing machine mechanism.
  - Consider replacing motor brushes if they are worn.
- **Unusual Noise/Vibration:**
  - Ensure the motor is securely mounted and all screws are tightened.
  - Check for any foreign objects near the motor or belt.

## SPECIFICATIONS

|                   |                  |
|-------------------|------------------|
| Model             | NA35K-HS         |
| Brand             | Alphasew         |
| Voltage           | 110 Volts        |
| Frequency         | 50/60Hz          |
| Amperage          | 1.5 Amps         |
| Wattage           | 150 Watts        |
| Speed             | 9000 RPM         |
| Motor Rotation    | Counterclockwise |
| Power Lead Length | 18 inches        |
| Mounting Bracket  | K-Bracket        |
| Item Weight       | 8 Ounces         |

## WARRANTY INFORMATION

Specific warranty details for the Alphasew NA35K-HS Sewing Machine Motor are typically provided at the point of purchase or by the manufacturer. Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, contact the seller or Alphasew customer service directly.

## SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Alphasew NA35K-HS Sewing Machine Motor, please contact the retailer from whom you purchased the product or visit the official Alphasew website for customer support information.

