

FEIYUE DOL12H

FEIYUE Industrial Sewing Machine Clutch Motor DOL12H User Manual

Model: DOL12H

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your FEIYUE Industrial Sewing Machine Clutch Motor, model DOL12H. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard. Always disconnect power before installation, maintenance, or troubleshooting.

- Ensure the power supply matches the motor's requirements (110 Volts).
- All electrical connections should be performed by a qualified electrician or experienced technician.
- Keep hands, hair, and loose clothing away from moving parts during operation.
- Do not operate the motor in wet or damp conditions.
- Securely mount the motor to a stable surface to prevent vibration and movement.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- FEIYUE Industrial Sewing Machine Clutch Motor (DOL12H)
- Control Box
- Mounting Hardware (bolts, washers, nuts)

- Belt Cover
- Pulleys (e.g., 630, 632, 634)



An image displaying the FEIYUE Industrial Sewing Machine Clutch Motor DOL12H, its separate control box, various mounting hardware components including bolts and washers, and a white belt cover.

4. SETUP AND INSTALLATION

The installation of an industrial sewing machine clutch motor requires careful attention to detail. If you are unfamiliar with such installations, it is recommended to seek assistance from a qualified technician.

1. **Mounting the Motor:** Securely attach the motor to the designated mounting points on your industrial sewing machine stand using the provided hardware. Ensure the motor is stable and level.
2. **Electrical Connection:** Connect the motor's power cord to a grounded 110 Volt power outlet. Ensure the wiring is routed safely and not subject to pinching or abrasion.
3. **Belt Installation:** Select the appropriate pulley for your sewing machine's speed requirements. Install the drive belt between the motor pulley and the sewing machine's handwheel. Adjust belt tension to be firm but not overly tight, allowing for smooth operation without slippage.
4. **Belt Cover:** Install the belt cover to protect against accidental contact with the moving belt and pulleys.
5. **Initial Test:** Before full operation, perform a brief test run to ensure the motor starts and stops correctly and that the belt runs smoothly without excessive noise or vibration.

5. OPERATING INSTRUCTIONS

The FEIYUE DOL12H clutch motor is designed for high-speed industrial sewing applications.

- **Power On/Off:** Use the power switch on the control box to turn the motor on or off.
- **Clutch Engagement:** The clutch mechanism allows for precise control over the sewing machine's speed. Pressing the foot pedal engages the clutch, transferring power from the continuously running motor to the sewing machine. Releasing the pedal disengages the clutch and applies a brake, stopping the machine.
- **Speed Control:** The motor operates at a fixed speed of 3450 RPM. Fine-tuning the sewing machine's speed is achieved through the degree of clutch engagement via the foot pedal.
- **Bi-directional Rotation:** This motor supports bi-directional rotation, which may be adjusted during installation if required by your specific sewing machine model.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your motor.

- **Cleaning:** Periodically clean the motor and control box exterior with a dry cloth to remove dust and lint. Ensure ventilation openings are clear.
- **Belt Inspection:** Regularly inspect the drive belt for wear, cracks, or fraying. Replace the belt if any damage is observed. Check belt tension and adjust if necessary.
- **Lubrication:** Consult your sewing machine's manual for specific lubrication requirements related to the motor's interaction with the machine. The motor itself typically has sealed bearings that do not require user lubrication.
- **Hardware Check:** Periodically check all mounting hardware to ensure it remains tight and secure.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions. For complex issues, contact a qualified service technician.

- **Motor Does Not Start:**
 - Check power connection and ensure the outlet is functional.
 - Verify the power switch on the control box is in the 'ON' position.
 - Inspect the power cord for damage.
- **Unusual Noise or Vibration:**
 - Check motor mounting for looseness.
 - Inspect the drive belt for wear or improper tension.
 - Ensure no foreign objects are interfering with moving parts.
- **Sewing Machine Not Responding to Pedal:**
 - Check the connection between the foot pedal and the control box.
 - Inspect the drive belt for slippage or breakage.
 - The clutch mechanism may require adjustment or service.

8. SPECIFICATIONS

Model Number	DOL12H
Brand	FEIYUE
Power (Watts)	400 Watts & 550 Watts available
Voltage	110 Volts
RPM (High Speed)	3450
Rotation	Bi-directional
Shaft Type	AMCO Shaft
Item Weight	40.4 pounds
Package Dimensions	15.7 x 12 x 10.2 inches

Included Pulleys	630, 632, 634
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9. WARRANTY INFORMATION

Specific warranty details for the FEIYUE Industrial Sewing Machine Clutch Motor DOL12H are not provided in this manual. Please refer to your purchase documentation or contact your retailer for information regarding warranty coverage and terms.

10. SUPPORT

For technical assistance, replacement parts, or further inquiries, please contact the retailer from whom you purchased this product. When contacting support, please have your model number (DOL12H) and purchase date available.