

Knocokie 0131M00061SP

Knocokie 0131M00061SP Condenser Fan Motor Instruction Manual

Model: 0131M00061SP

Brand: Knocokie

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Knocokie 0131M00061SP 1/4 HP Condenser Fan Motor. This motor is designed as a direct replacement for Goodman air conditioner condenser fan motors, including part number 0131M00014PS, and Zhongshan Broad-Ocean YDK-180S84062-01. It is a 3-wire motor, permanently sealed, and does not require lubrication.



Image: The Knocokie 0131M00061SP Condenser Fan Motor with its wiring.

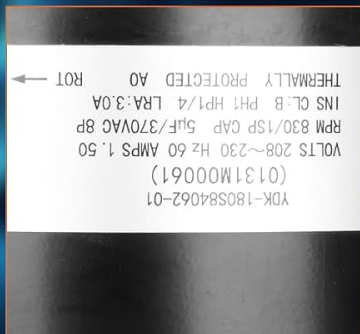
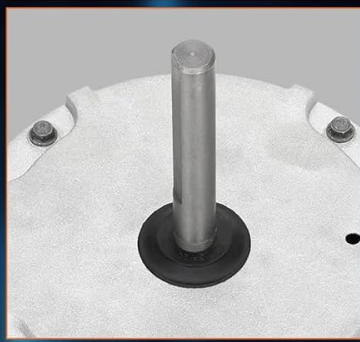
2. SAFETY INFORMATION

WARNING: Before attempting any installation or repair, always ensure the power supply to the air conditioner condensing unit is completely shut off at the circuit breaker. Failure to do so can result in serious injury or death.

Always wear appropriate personal protective equipment, including work gloves, to protect your hands during the repair and installation process. If you are unsure about any step, consult a qualified HVAC technician.

YDK-180S84062-01 zhongshan broad-ocean Product details

QUIET WORKING
for central air conditioners



YDK-180S84062-01
(0131M00061)
VOLTS 208~230 Hz 60 AMPS 1.50
RPM 830/1SP CAP 5μF/370VAC 8P
INS CL:B PH1 HP1/4 LRA:3.0A
THERMALLY PROTECTED AO
ROT ←



*Shut off the circuit breaker
to the air conditioner condensing unit before installing this part
Wear work gloves to protect your hands during the repair*

Image: Close-up of the motor's wiring and a reminder to shut off power and wear gloves.

3. PRODUCT OVERVIEW AND FEATURES

The 0131M00061SP Condenser Fan Motor is a high-quality replacement part designed for optimal performance in central air conditioning units. Its robust construction ensures durability and efficient operation.

Key Features:

- **Direct Replacement:** Compatible with Goodman air conditioner units, replacing Goodman condenser fan motor 0131M00014PS and Zhongshan Broad-Ocean YDK-180S84062-01.
- **Durable Design:** Permanently sealed and does not require lubrication, ensuring long-term, maintenance-free operation.
- **Efficient Performance:** Designed to effectively turn the air conditioning fan blade, contributing to the overall efficiency of your HVAC system.



Image: The motor shown in context with a Goodman air conditioner unit.

4. SETUP AND INSTALLATION

Replacing a condenser fan motor requires careful attention to safety and proper wiring. Always refer to the safety information in Section 2 before beginning. This motor is a 3-wire unit. Ensure correct wire connections (purple, black, and brown) as per your unit's wiring diagram.

The motor is designed for a 5 5/8" Diameter 48Y Frame. Verify that the dimensions of the replacement motor match your existing unit to ensure a proper fit.

part # 0131m00061sp

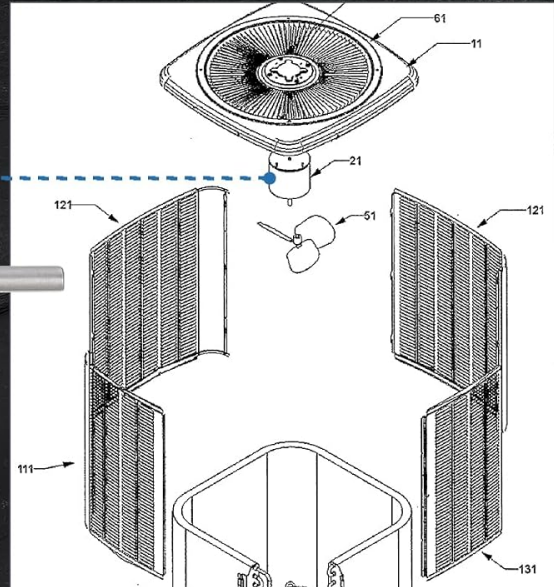
YDK-180s84062-01

COMPATIBLE WITH

**SSX160481BA, GSC130481AE, GSC130481AF
GSC130481AD, GSC130483AE, GSC130483AD**



[High-Quality]



An electric motor converts electrical energy into mechanical energy. In an HVAC system, motors typically turn the air conditioning fan blade and the furnace blower motor. High efficient motors, have "end caps" that control the motor speeds. These can be removed and replaced separately. Replaces YDK-180S84062-01.

Image: Diagram illustrating how the condenser fan motor integrates into an HVAC system.

Installation Video:

For a visual guide on the installation process, please refer to the official product video below:

Your browser does not support the video tag.

Video: "0131M00061SP Conditioner Motor" - This video provides a detailed overview of the 0131M00061SP condenser motor, including its features and appearance, which can be helpful for installation reference.

5. OPERATING INSTRUCTIONS

Once correctly installed and wired, the 0131M00061SP Condenser Fan Motor operates automatically as part of your air conditioning system. It will engage when the thermostat calls for cooling, driving the fan to dissipate heat from the condenser coil.

6. MAINTENANCE

The 0131M00061SP Condenser Fan Motor is designed to be maintenance-free. It is permanently sealed and does not require lubrication. Regular maintenance of your overall HVAC system, such as cleaning condenser coils and ensuring proper airflow, will help prolong the life of all components, including the fan motor.

7. TROUBLESHOOTING

While this motor is built for reliability, issues with your HVAC system can sometimes be misdiagnosed. If your air conditioner is not cooling or the outdoor fan is not spinning, consider the following:

- **No Fan Movement:** Ensure the circuit breaker to the outdoor unit is on. Check for any obstructions preventing the fan blades from turning.
- **Motor Overheating:** This could indicate a failing capacitor or restricted airflow. Consult a professional if the motor feels excessively hot.
- **Unusual Noises:** Grinding or squealing noises may indicate a bearing issue (though this motor is sealed, external factors can cause noise) or a loose fan blade.

For complex issues, it is recommended to contact a certified HVAC technician.

8. SPECIFICATIONS

Parameter	Value
Model Name	0131M00061SP Condenser Fan Motor
Horsepower	1/4 HP (0.25 hp)
Voltage	208-230 Volts (AC)
Amperage	1.50 A
Frequency	60 HZ
Speed	1 Speed
RPM	830 RPM
Capacitor Requirement	5 uf rated at 370 volts
Motor Body Diameter	5-5/8"
Frame Type	48Y Frame
Product Dimensions	5.5"W x 5.3"H (5.5 x 5.5 x 5.3 inches)

Parameter	Value
Item Weight	10.7 Pounds
Manufacturer	Zhongshan Broad-Ocean
Country of Origin	China

0131M00061SP condenser motor

STAND SIZE



Image: The motor with its key dimensions highlighted for reference.

9. WHAT'S IN THE BOX

- 1 x 0131M00061SP Motor

10. WARRANTY AND SUPPORT

Knocokie stands by the quality of its products. This motor has undergone rigorous quality testing before leaving the factory. We offer a **one-year warranty** from the date of purchase for any problems encountered during the use of the product. For support or warranty claims, please contact your retailer or the manufacturer directly.

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For more information, visit [Knocokie's Amazon Store](#).