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- › [Fafeicy](#) /
- › [Fafeicy PC-40B Air Conditioning Drain Pump Instruction Manual](#)

## Fafeicy PC-40B

# Fafeicy PC-40B Air Conditioning Drain Pump Instruction Manual

Model: PC-40B

## 1. PRODUCT OVERVIEW

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The Fafeicy PC-40B is an automatic, ultra-quiet drain pump designed for air conditioning units, particularly suitable for ceiling or duct-mounted systems. It efficiently removes condensate water, ensuring silent operation and preventing water overflow. Its compact design allows for simple and quick installation.



10m maximum water-lift  
Silent motor  
Do not disturb your quiet life  
while working.  
Quick and easy installation

Image: The Fafeicy PC-40B drain pump shown in a home environment, illustrating its discreet and quiet operation. The pump has a maximum water lift of 10 meters.

## 2. PACKAGE CONTENTS

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Before installation, verify that all components are present in the package:

- Main Drain Pump Unit (PC-40B)
- Water Level Sensor Unit
- Drainage Tubing
- Power Cable
- Signal Cable (RJ45-like connector)
- Cable Ties for securing connections

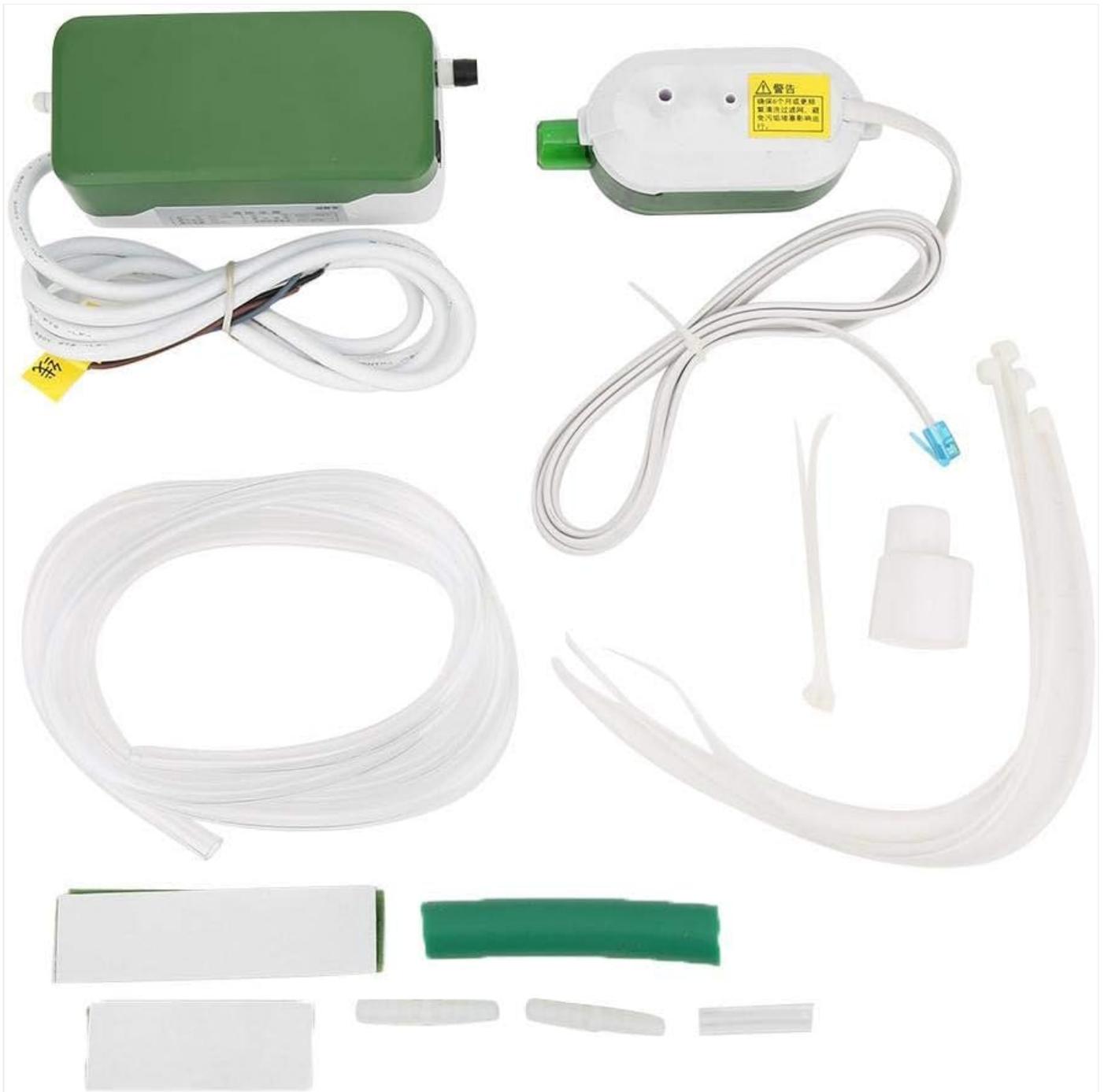


Image: A complete view of the Fafeicy PC-40B drain pump package contents, showing the main pump, the smaller water level sensor, clear drainage tubing, and various connection cables and accessories.

### 3. INSTALLATION AND SETUP

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Proper installation is crucial for the optimal performance and longevity of the drain pump. Ensure the power supply is disconnected before beginning installation.

#### 3.1 Placement

The pump should be installed in a location that allows for easy access for maintenance and is close to the air conditioning unit's drain pan. It is designed for use with ceiling or duct-mounted AC units. Ensure the pump is mounted horizontally and securely.

#### 3.2 Connecting the Water Level Sensor

Connect the water level sensor unit to the air conditioner's drain pan. The sensor detects the water level and activates the pump when necessary. Ensure the sensor is positioned correctly to detect rising water levels effectively.



Image: The water level sensor unit, which connects to the AC drain pan to monitor condensate levels and trigger the pump.

### **3.3 Connecting Drainage Tubing**

Connect the inlet of the main pump unit to the outlet of the water level sensor unit using the provided tubing. Connect the pump's outlet to a suitable drainage point, ensuring a continuous downward slope if possible, or utilizing the pump's 10-meter lift capability to reach a higher drain.



Image: A coil of clear drainage tubing, used to connect the pump to the AC unit and to the final drain point.

### **3.4 Electrical Connections**

Connect the power cable to the main pump unit and then to a compatible power source (220V~/50Hz). Ensure all electrical connections are secure and comply with local electrical codes. The pump may also have a signal cable (RJ45-like connector) for integration with the AC unit's control system, if applicable.



Image: The back of the main pump unit, displaying the power input and output wiring for electrical connection.

## 4. OPERATING INSTRUCTIONS

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The Fafeicy PC-40B drain pump operates automatically. Once properly installed and powered, it will monitor the condensate water level in the air conditioning unit's drain pan via the water level sensor.

1. **Power On:** After completing all connections, connect the pump to the power supply.
2. **Automatic Operation:** The pump will remain in standby mode until the water level in the drain pan reaches the activation point of the sensor.
3. **Drainage Cycle:** Upon activation, the pump will automatically turn on and discharge the condensate water through the drainage tubing.
4. **Silent Operation:** The PC-40B is designed for ultra-quiet operation, ensuring minimal disturbance during its drainage cycles.
5. **Power Off:** To stop operation, disconnect the pump from the power supply.



Image: The Fafeicy PC-40B pump operating discreetly in a living space, demonstrating its ultra-quiet functionality.

## 5. MAINTENANCE

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Regular maintenance ensures the efficient and reliable operation of your Fafeicy PC-40B drain pump. Always disconnect power before performing any maintenance.

- **Monthly Inspection:** Check the drain pan for any debris or sludge buildup. Clean if necessary.
- **Tubing Check:** Inspect the drainage tubing for kinks, blockages, or leaks. Ensure water flows freely.
- **Sensor Cleaning:** Periodically clean the water level sensor to ensure accurate detection of water levels. Mineral deposits or algae can affect its performance.
- **Pump Unit Cleaning:** Gently wipe down the exterior of the pump unit. Avoid using harsh chemicals.
- **Connection Integrity:** Verify that all electrical and tubing connections are secure.

## 6. TROUBLESHOOTING

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If you encounter issues with your PC-40B drain pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not operating	No power; Sensor malfunction; Blocked inlet/outlet	Check power connection; Clean or inspect sensor; Clear any blockages in tubing.
Water not draining	Tubing kinked or blocked; Pump motor failure; Excessive lift height	Inspect and clear tubing; Contact support if motor suspected; Ensure lift height is within 10m specification.
Unusual noise during operation	Debris in pump; Improper mounting; Air in system	Disconnect power and inspect pump for debris; Ensure pump is securely mounted; Bleed air from the system if possible.
Water leakage	Loose connections; Damaged tubing; Cracked pump housing	Tighten all tubing connections; Replace damaged tubing; Contact support for housing issues.

## 7. SPECIFICATIONS

Technical specifications for the Fafeicy PC-40B Air Conditioning Drain Pump:



Image: The product label on the Fafeicy PC-40B pump, detailing key specifications such as model number, power requirements, maximum suction, maximum lift, maximum flow rate, and operating temperature range.

**Model:** PC-40B

**Brand:** Fafeicy

**Power Source:** 220V~/50Hz

**Maximum Flow Rate:** 40 Liters Per Hour

**Maximum Lifting Height:** 10 Meters

**Maximum Suction:** 2 Meters

**Operating Temperature:** 0°C - 50°C

**Item Weight:** Approximately 1.26 pounds (0.57 kg)

**Color:** Green, White

## 8. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included with your purchase or contact the manufacturer directly. Fafeicy is committed to product quality and customer service.

You may also visit the official Fafeicy store for additional product information and support resources [Fafeicy Store on Amazon](#)

