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Jiayin JYPC-3C

Jiayin JYPC-3C Solenoid Water Pump Instruction Manual

Model: JYPC-3C | Brand: Jiayin

1. Introduction

This manual provides essential information for the safe and efficient use of the Jiayin JYPC-3C Solenoid Water Pump. This pump is designed as a replacement component for various steam irons, specifically compatible with Philips Perfect Care Elite models.
Please read these instructions carefully before installation and operation to ensure proper function and longevity of the product.

2. Safety Information

Always observe the following safety precautions:

- **Electrical Safety:** Ensure the power supply is disconnected before attempting any installation, maintenance, or repair. This pump operates on AC 220-240V. Improper handling of electrical components can result in electric shock.
- **Professional Installation:** Installation should ideally be performed by a qualified technician to prevent damage to the pump or the appliance it is being installed into.
- **Fluid Compatibility:** Use only water or non-corrosive liquids as the operating medium. Using incompatible fluids can damage the pump and void any potential warranty.
- **Temperature Limits:** Do not exceed the specified ambient (70°C) or fluid (60°C) temperature limits.
- **Handling:** Handle the pump with care to avoid physical damage.

3. Compatibility

The Jiayin JYPC-3C Solenoid Water Pump is suitable for the following steam iron models:

- ✔ GC9620
- ✔ GC9622
- ✔ GC9630
- ✔ GC9642
- ✔ GC9660
- ✔ GC9656
- ✔ GC9670
- ✔ GC8950
- ✔ GC8952
- ✔ GC8962

Always verify the model number of your appliance before purchasing and installing this replacement pump.

4. Specifications

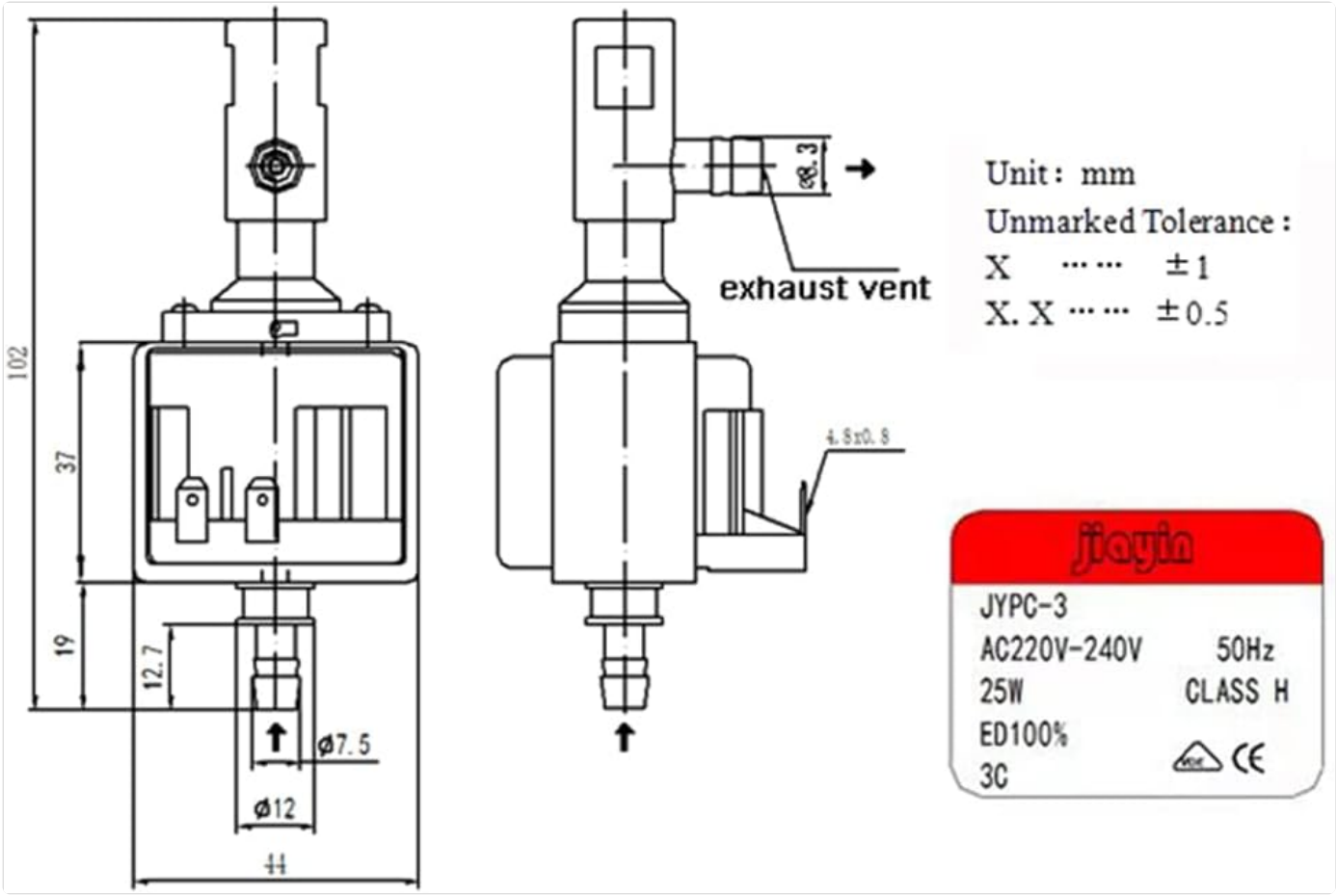


Figure 4.1: Technical drawing showing the dimensions and components of the JYPC-3C pump.

Feature	Detail
Model	JYPC-3C
Manufacturer	JIAYIN TECHNOLOGY
Voltage	AC 220-240V 50Hz
Power	25 W

Feature	Detail
Insulation Class	H
Operating Mode	100%
Ambient Temperature	Ta 70°C (158°F)
Fluid Temperature	60°C (140°F)
Flow Rate	190 ± 15% cc/min
Pressure	≥ 6.5 bar
Working Medium	Water or non-corrosive liquid
Material	Copper, Steel, Plastic
Dimensions (L x W x H)	10.2 x 4.4 x 10.2 cm (approx. 4 x 1.7 x 4 inches)
Weight	190 grams (approx. 0.42 lbs)

5. Setup and Installation

This section provides general guidance for installing the Jiayin JYPC-3C Solenoid Water Pump. Due to the specific nature of appliance repair, it is highly recommended that installation be performed by a qualified service technician.



Figure 5.1: Front view of the Jiayin JYPC-3C Solenoid Water Pump, showing the main body and connections.



Figure 5.2: Angled view highlighting the electrical terminals and water inlet/outlet ports.

Installation Steps (General):

1. **Disconnect Power:** Ensure the steam iron or appliance is completely unplugged from the power source.
2. **Access Pump:** Carefully open the appliance casing to gain access to the existing water pump. Refer to your appliance's service manual for specific disassembly instructions.
3. **Drain Water:** If applicable, drain any remaining water from the system.
4. **Disconnect Old Pump:**
    - Disconnect the electrical wiring from the old pump. Note the polarity or connection points if not clearly marked.
    - Disconnect the water inlet and outlet hoses from the old pump. Be prepared for residual water.
5. **Remove Old Pump:** Unmount the old pump from its housing.

6. **Install New Pump:**
    - Mount the new Jiayin JYPC-3C pump securely in the same position as the old one.
    - Connect the water inlet and outlet hoses to the corresponding ports on the new pump. Ensure connections are tight to prevent leaks.
    - Connect the electrical wiring to the new pump's terminals. Double-check connections for security and correct polarity.
7. **Reassemble Appliance:** Carefully reassemble the appliance casing, ensuring all components are properly seated and secured.
8. **Test Functionality:** Before full use, perform a test run with water to check for leaks and proper pump operation.

Note: *Some models may require transferring a reducer for the central valve from the old pump, as it might not be supplied with the new pump. Always check for such components.*

6. Operation

The Jiayin JYPC-3C Solenoid Water Pump operates automatically within the steam iron system. Once installed, it is responsible for drawing water from the reservoir and delivering it under pressure to the heating element for steam generation.

- Ensure the appliance's water reservoir is filled with appropriate water (preferably distilled or demineralized water to prevent mineral buildup).
- When the steam function is activated on your appliance, the pump will engage to supply water.
- The pump is designed for continuous operation (100% operating mode) within its specified temperature and fluid conditions.

7. Maintenance

Proper maintenance can extend the life of your solenoid water pump and ensure optimal performance of your steam iron.

- **Use Clean Water:** Always use distilled or demineralized water in your steam iron. Tap water contains minerals that can lead to scale buildup and clogging within the pump and steam system.
- **Prevent Clogging:** Regular descaling of your steam iron (as per the iron manufacturer's instructions) will help prevent mineral deposits from affecting the pump's performance. The pump is designed to resist clogging, but external factors can still impact it.
- **Check for Leaks:** Periodically inspect the pump and hose connections for any signs of leaks. Address any leaks promptly to prevent damage to the appliance or electrical components.
- **Avoid Corrosive Liquids:** Only use water or non-corrosive liquids. Exposure to corrosive substances will damage the pump's internal components.

8. Troubleshooting

If you encounter issues after installing the Jiayin JYPC-3C pump, refer to the table below for common problems and potential solutions. Always disconnect power before inspecting the appliance.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Pump not operating / No steam	◦ No power to the appliance. ◦ Incorrect electrical connections. ◦ Water reservoir empty. ◦ Clogged inlet/outlet. ◦ Faulty pump (unlikely if new).	◦ Check power supply and appliance fuse/breaker. ◦ Verify electrical wiring according to appliance diagram. ◦ Refill water reservoir. ◦ Inspect hoses and pump ports for blockages. ◦ If all else fails, consult a technician.
Water leaks	◦ Loose hose connections. ◦ Damaged hoses or seals. ◦ Cracked pump housing (rare).	◦ Tighten all hose clamps and connections. ◦ Replace any damaged hoses or O-rings. ◦ If pump housing is cracked, replace the pump.
Weak steam pressure	◦ Partial clog in the system (pump or iron). ◦ Low water level.	◦ Perform descaling procedure on the steam iron. ◦ Ensure water reservoir is adequately filled.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact a qualified service technician or the product manufacturer.

9. Warranty and Support

Information regarding the specific warranty period for the Jiayin JYPC-3C Solenoid Water Pump is not provided in this manual. Please refer to the original purchase documentation or contact your retailer or the manufacturer, Jiayin, for warranty details and support.
Keep your proof of purchase for any warranty claims.

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