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JAIYNIYADAKATA JYPC-7A

Jiayin JYPC-7A Electromagnetic Water Pump User Manual

Model: JYPC-7A | Brand: JAIYNIYADAKATA

1. Introduction

This manual provides essential information for the safe and efficient use of your Jiayin JYPC-7A Electromagnetic Water Pump. This pump is designed as a replacement component for deep carpet cleaners and similar applications requiring precise fluid delivery. Please read these instructions thoroughly before installation and operation to ensure proper function and longevity of the product.

2. Safety Information

Always adhere to the following safety guidelines to prevent injury or damage to the pump:

- **Electrical Safety:** Ensure the power supply matches the pump's requirements (AC 220-240V, 50Hz). Disconnect power before installation, maintenance, or troubleshooting.
- **Liquid Compatibility:** Use only with water or non-corrosive liquids. Using corrosive chemicals can damage the pump and void the warranty.
- **Installation:** Installation should be performed by qualified personnel if you are unsure about electrical or plumbing connections.
- **Operating Environment:** Do not operate the pump in excessively hot or humid environments beyond specified limits.
- **Children and Pets:** Keep the pump and its connections out of reach of children and pets.

3. Product Overview

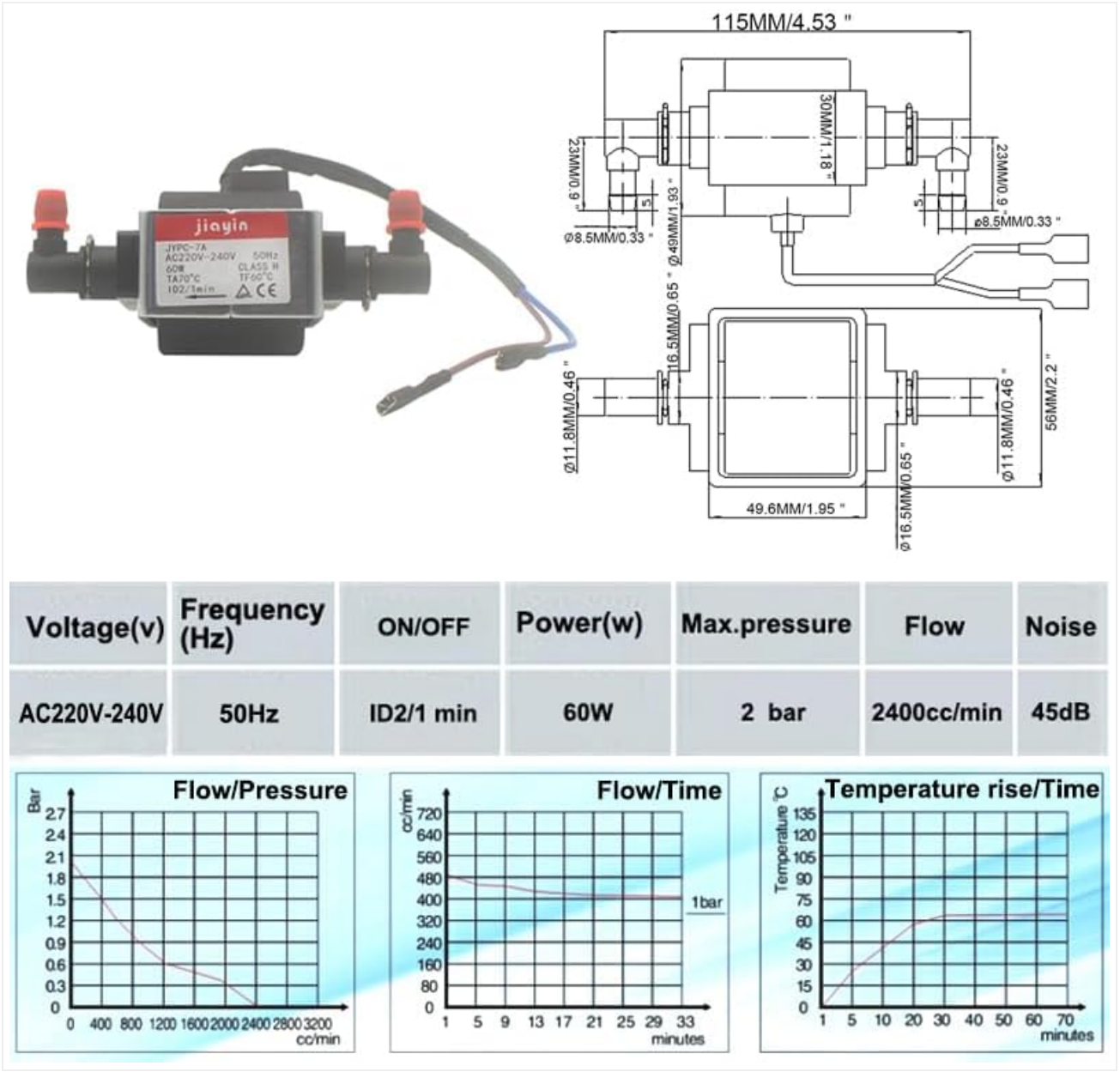
3.1. Features

- Designed for reliability: No rust, no clogging.
- Electromagnetic water pump with AC 220V-240V, 50Hz, 60W power.
- Flow rate: 2400 ± 10% cc/min. Operating mode: ID2/1 min.
- Suitable for water or non-corrosive liquids. Capable of drawing water up to 20 cm in 10 seconds.
- Operating temperature: Ambient (Ta) up to 70°C (158°F); Medium (Tf) up to 60°C.

3.2. Specifications

Specification	Value
Model	JYPC-7A
Type	Electromagnetic Water Pump
Voltage	AC 220-240V, 50Hz
Power	60W
Flow Rate	2400 cc/min (± 10%)
Operating Pressure	0-2 bar
Net Weight	423 g (approx. 480g packaged)
Material	Plastic (housing), Coil, Steel, Copper (internal components)
Dimensions (L x W x H)	11.5 x 4.96 x 5.6 cm (approx.)
Resistance Voltage	AC 1850V/0.5mA/1 sec
Working Medium	Water or non-corrosive liquid

3.3. Product View and Dimensions



Voltage(v)	Frequency (Hz)	ON/OFF	Power(w)	Max.pressure	Flow	Noise
AC220V-240V	50Hz	ID2/1 min	60W	2 bar	2400cc/min	45dB

Figure 1: Technical diagram showing the dimensions of the Jiayin JYPC-7A electromagnetic water pump, including overall length (115mm/4.53"), width (49.6mm/1.95"), height (56mm/2.2"), and port diameters (8.5mm/0.33" and 11.8mm/0.46").

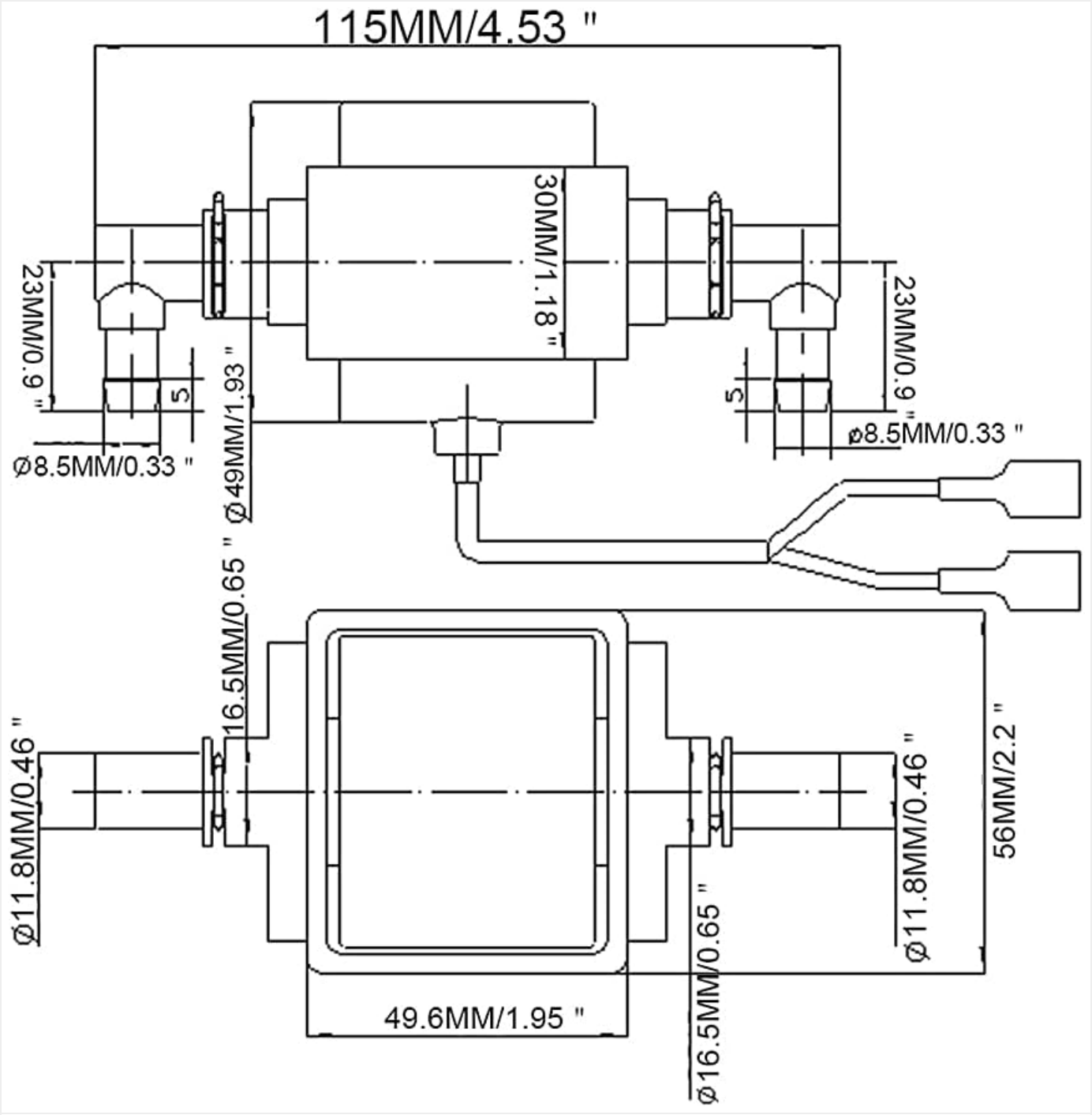


Figure 2: Front view of the Jiayin JYPC-7A electromagnetic water pump, clearly showing the product label with model number, voltage, frequency, power, and temperature ratings.

4. Setup and Installation

Follow these steps for proper installation:

1. **Power Disconnection:** Ensure the main power supply to the appliance where the pump will be installed is disconnected.
2. **Mounting:** Securely mount the pump in the designated location within the appliance. Refer to the dimensions diagram (Figure 1) for space requirements.
3. **Water Connections:** Connect the inlet and outlet hoses to the pump's ports. Ensure all connections are tight and leak-free. The method of flow testing involves a 45 cm silicone tube with an outer diameter of 1 cm and an inner diameter of 0.6 cm connected to the water inlet port.
4. **Electrical Connection:** Connect the pump's electrical wires to the appliance's power supply (AC 220-240V, 50Hz). Ensure correct polarity and secure connections. If replacing an existing pump, match the wiring configuration.

5. **Initial Check:** Before restoring power, double-check all connections (electrical and water) for security and correctness.

Note: If you observe any liquid (e.g., water) upon removing protective caps during installation, this is typically residual from factory testing and does not indicate a fault. However, always inspect the pump for any visible damage before installation.

5. Operating Instructions

Once installed, operate the pump as follows:

1. **Power On:** Restore power to the appliance.
2. **Activation:** Activate the pump through the appliance's control system. The pump operates with an ID2/1 min mode, meaning it is designed for intermittent duty cycles.
3. **Liquid Supply:** Ensure a continuous supply of the working medium (water or non-corrosive liquid) to the pump's inlet. The pump is capable of drawing water from a height of 20 cm within 10 seconds.
4. **Monitoring:** Observe the pump's operation for any unusual noises, leaks, or performance issues.
5. **Power Off:** Deactivate the pump and disconnect power when not in use or before any maintenance.

6. Maintenance

Regular maintenance ensures optimal performance and extends the pump's lifespan:

- **Cleaning:** Periodically inspect the pump and its connections for any debris or buildup. Clean as necessary, ensuring no foreign particles enter the pump mechanism.
- **Prevent Clogging:** The pump is designed to resist clogging. However, using filtered water or ensuring the working liquid is free of large particles will further prevent issues.
- **Leak Inspection:** Regularly check all hose connections for leaks. Tighten or replace seals/hoses as needed.
- **Storage:** If the pump is to be stored for an extended period, ensure it is drained of all liquid and stored in a dry, temperate environment.

7. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not start	No power supply; Loose electrical connection; Internal fault.	Check power source and connections. Ensure appliance switch is on. If problem persists, consult a qualified technician.
Low or no flow	Clogged inlet/outlet; Air in the system; Insufficient liquid supply; Kinked hose.	Check for blockages in hoses and ports. Ensure liquid reservoir is full. Bleed air from the system if necessary. Straighten any kinked hoses.
Leaking from connections	Loose hose clamps; Damaged seals/hoses.	Tighten hose clamps. Inspect hoses and seals for damage and replace if necessary.
Unusual noise during operation	Air in the system; Debris in pump; Improper mounting.	Bleed air from the system. Disconnect power and inspect for debris (if safe to do so). Ensure pump is securely mounted.

If you encounter issues not listed here or if solutions do not resolve the problem, contact customer support or a qualified

service technician.

8. Warranty and Support

This product is manufactured to high-quality standards. Specific warranty details may vary depending on your region and point of purchase. Please retain your proof of purchase for any warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please contact the seller or manufacturer directly through the contact information provided at the time of purchase.

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