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> LEYEYDOJX AP1200 AC120V Submersible Water Pump Instruction Manual for Commercial Ice Makers

LEYEYDOJX AP1200

LEYEYDOJX AP1200 AC120V Submersible Water Pump Instruction Manual

Model: **AP1200** | Brand: **LEYEYDOJX**

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your LEYEYDOJX AP1200 AC120V Submersible Water Pump. This pump is designed as a replacement component for various commercial ice maker models. Please read this manual thoroughly before use and retain it for future reference to ensure optimal performance and longevity of your ice maker system.

2. SAFETY INFORMATION

WARNING:

- Do not operate the pump without water. Dry operation can cause damage to the pump.
- This pump is suitable for household use only.
- To prevent corrosion, deterioration, or electric shock, use only with fresh water.
- Always disconnect power to the ice maker before installing, removing, or performing any maintenance on the water pump.
- Ensure all electrical connections are secure and dry to prevent electrical hazards.

3. PRODUCT OVERVIEW

The LEYEYDOJX AP1200 is a centrifugal self-priming submersible water pump engineered for reliable water circulation within commercial ice makers. Its robust design features a pump head constructed from high-quality food-grade materials, ensuring safe and consistent performance. The pump is designed for low noise operation and straightforward installation.



Image 1: Front view of the LEYEYDOJX AP1200 Submersible Water Pump, showing the main body, power cable, and water outlet.

4. SPECIFICATIONS

Model	AP1200
Brand	LEYEYDOJX
Voltage	AC120V
Current	0.13A
Frequency	60Hz
Maximum Head (Hmax)	0.8 meters
Maximum Flow Rate (Qmax)	600 L/h
Dimensions (L x W x H)	47mm x 46mm x 60mm (1.85" x 1.81" x 2.36")
Water Outlet Diameter	15.5mm
Material	Plastic (Food-grade pump head)
Warranty	24 months

AP1200

Commercial large flowing
ice maker water pump small circulation submersible pump

AC 120V 60Hz 0.13a Hmax:0.8
m



Image 2: Diagram showing the dimensions of the AP1200 water pump.

5. COMPATIBILITY

The LEYEYDOJX AP1200 water pump is compatible with the following commercial ice maker models:

- HZB-30F
- HZB-38F
- HZB-32
- HZB-45
- HZB-65
- HZB-90
- HZB-120
- HZB-160

Note: Always verify the part number and visual confirmation with your existing pump before purchasing to ensure proper fit and function.

6. INSTALLATION

This section outlines the general steps for replacing an existing water pump in a compatible ice maker. Specific ice maker models may have slight variations in their disassembly and assembly procedures. Refer to your ice maker's specific service manual if available.

1. **Disconnect Power:** Unplug the ice maker from the electrical outlet to prevent electric shock.
2. **Drain Water:** If applicable, drain any water from the ice maker's reservoir or water lines.
3. **Access Pump:** Carefully open the ice maker's housing or access panel to locate the existing water pump. This may involve removing screws or clips.
4. **Disconnect Old Pump:** Disconnect the electrical connector and any water hoses or tubing attached to the old pump. Note their orientation for reinstallation.
5. **Remove Old Pump:** Detach the old pump from its mounting bracket or slot.
6. **Install New Pump:** Position the new LEYEDOX AP1200 pump into the designated slot or mounting bracket. Ensure it is securely seated.
7. **Connect Hoses/Tubing:** Reconnect the water hoses or tubing to the new pump's inlet and outlet ports. Ensure connections are tight to prevent leaks.
8. **Connect Electrical:** Plug the pump's electrical connector into the corresponding port on the ice maker's control board or wiring harness. The plug is designed for a direct fit.
9. **Secure Housing:** Close and secure the ice maker's housing or access panel.
10. **Test Operation:** Plug the ice maker back into the electrical outlet. Initiate an ice-making cycle and observe the pump's operation to ensure water is circulating correctly and there are no leaks.



Image 3: Side view of the AP1200 pump, highlighting the water outlet and electrical connector.

7. OPERATION

Once properly installed and connected, the LEYEYDOJX AP1200 water pump operates automatically as an integral part of your ice maker's water circulation system. It is designed to draw water from the reservoir and circulate it over the evaporator to form ice. The pump's low-noise design ensures quiet operation during the ice-making process.





Image 4: Close-up view of the pump's impeller, responsible for water circulation.

8. MAINTENANCE

Regular maintenance of your ice maker, including the water pump, is crucial for optimal performance and hygiene. The pump head is made of food-grade materials, but periodic cleaning is still recommended.

- **Cleaning:** Periodically inspect the pump and its intake for any debris, mineral buildup, or foreign objects that may impede water flow. Disconnect power and carefully remove any obstructions.
- **Water Quality:** Always use fresh water in your ice maker. Hard water can lead to mineral deposits that affect pump efficiency and longevity.
- **Inspection:** During routine ice maker cleaning, visually inspect the pump for any signs of wear, damage, or leaks.

9. TROUBLESHOOTING

If your ice maker is not producing ice or experiencing water circulation issues, consider the following troubleshooting steps related to the water pump:

- **Pump Not Running:**
 - Ensure the ice maker is plugged in and receiving power.
 - Check the pump's electrical connection for looseness or damage.
 - Verify that the ice maker's water reservoir has sufficient water. The pump requires water to operate.
- **Low Water Flow:**
 - Inspect the pump's intake and outlet for blockages from debris or mineral buildup.
 - Ensure water hoses/tubing are not kinked or obstructed.
- **Unusual Noise:**
 - Disconnect power and check for any foreign objects lodged in the impeller area.
 - Ensure the pump is securely mounted and not vibrating against other components.

If these steps do not resolve the issue, further diagnosis by a qualified technician or contacting customer support may be necessary.

10. WARRANTY

The LEYEYDOJX AP1200 Submersible Water Pump is covered by a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from improper installation, misuse, neglect, or unauthorized modifications.

11. SUPPORT

If you have any questions regarding the installation, operation, maintenance, or troubleshooting of your LEYEYDOJX AP1200 water pump, please contact your retailer or the manufacturer's customer service department. When contacting support, please have your product model number (AP1200) and purchase information readily available.

ASK A QUESTION ABOUT THIS MANUAL

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