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Acogedor J137

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Model: J137

1. PRODUCT OVERVIEW

The Acogedor J137 Electric Drill Water Pump is a compact, self-priming pump designed to be powered by a standard household hand drill. Constructed from durable engineering plastics, this pump offers a flexible and cost-effective solution for various water transfer tasks without requiring an independent power supply. It is ideal for home and garden applications, including draining small ponds, transferring water between containers, and other light-duty pumping needs.

**Made of high quality engineering plastics material, durable to use
By separating the motor of the conventional water pump and
making full use of the mechanical kinetic energy of the household
hand drill as a power unit, no power supply is required.**



Image 1.1: Close-up of the Acogedor J137 pump, showcasing its robust engineering plastic construction.

Key Features:

- **Drill-Powered Operation:** Utilizes the mechanical energy of a hand drill, eliminating the need for an external power source.
- **Self-Priming:** Designed to draw water without manual priming once connected.
- **Durable Construction:** Made from high-quality engineering plastics for longevity.
- **Compact and Portable:** Lightweight design for easy transport and storage.
- **Versatile Use:** Suitable for various water transfer applications in homes and gardens.

2. SETUP INSTRUCTIONS

Before operating the pump, ensure all connections are secure and the hand drill is properly attached. This pump requires a hand drill for operation.

Package Contents:

- 1 x Acogedor J137 Hand Drill Pump
- Necessary fittings (e.g., O-ring, filter head, hose clamps)



Image 2.1: Included accessories for the Acogedor J137 pump, such as the O-ring and filter head.

Installation Process:

1. **Connect Water Pipes:** Attach water pipes to both the 'IN' (water inlet) and 'OUT' (water outlet) ports of the pump. Ensure a tight seal using hose clamps if provided.
2. **Attach Hand Drill:** Securely connect the pump's drive shaft to the chuck of your hand drill. Ensure the drill is set to rotate in the direction indicated on the pump (usually clockwise for pumping).
3. **Install Filter Head (Optional):** If water quality is a concern, install the filter head on the inlet pipe to prevent debris from entering the pump.



Image 2.2: The 'IN' and 'OUT' ports on the pump for connecting hoses.

The design can also be used as an accessory for household hand drills, which has the advantages of flexible use, low transformation cost and no damage.

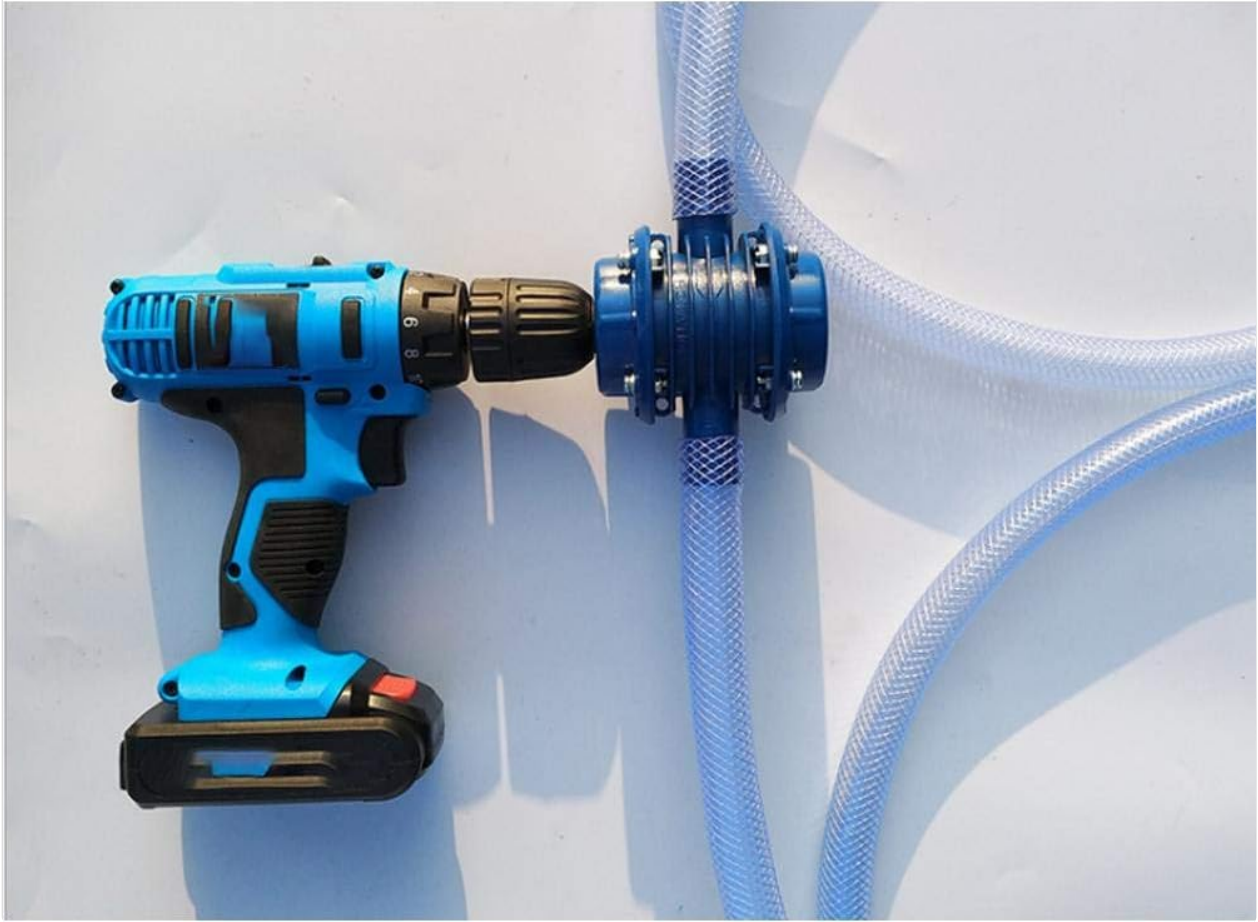


Image 2.3: The pump connected to a hand drill and hoses, illustrating proper setup.



Image 2.4: Various angles of the pump, showing hose connections and the filter head.

3. OPERATING INSTRUCTIONS

Once the pump is correctly set up with your hand drill and hoses, you can begin operation.

General Operation:

1. **Position Hoses:** Place the inlet hose into the water source and direct the outlet hose to where you want the water to be transferred.
2. **Start Drill:** Activate your hand drill. The pump will begin to draw water from the source and discharge it through the outlet hose.
3. **Monitor Flow:** Observe the water flow. If the pump does not prime immediately, ensure all connections are airtight and the inlet hose is fully submerged.
4. **Stop Operation:** Turn off the hand drill to stop the pumping action.



Image 3.1: The drill pump in action, transferring water from a large container.



Image 3.2: Demonstrating water transfer from one bucket to another using the drill pump.

Operational Videos:

Video 3.1: Mini Electric Drill Pump Demonstration

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This video demonstrates the Acogedor J137 drill pump in various water transfer scenarios, showcasing its versatility and ease of use.

Video 3.2: How to Use Drill Pump

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This video provides a step-by-step guide on how to set up and operate the drill pump for effective water transfer.

Video 3.3: Product Demonstration Video

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This demonstration video illustrates various applications of the drill pump, including garden watering and liquid transfer.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Acogedor J137 drill pump.

Cleaning and Storage:

- **After Each Use:** Flush the pump with clean water to remove any residue or debris, especially if pumping dirty water.
- **Inspect:** Periodically check hoses and connections for wear, leaks, or blockages. Ensure the filter head is clean.
- **Storage:** Store the pump in a dry, cool place away from direct sunlight and extreme temperatures. Disconnect hoses and the drill before storage.

5. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common problems and solutions:

- **No Water Flow:**
 - Ensure the inlet hose is fully submerged in the water source.
 - Check all hose connections for air leaks. Tighten clamps if necessary.
 - Verify the hand drill is rotating in the correct direction (as indicated on the pump).
 - Inspect the inlet filter for blockages.
- **Weak Water Flow:**
 - Check for partial blockages in the hoses or filter.
 - Ensure the hand drill is operating at a sufficient speed.
 - Verify the water source level is adequate.
- **Unusual Noise:**
 - Disconnect the pump and inspect for any foreign objects inside.
 - Ensure the drill is securely attached and not wobbling.

6. SPECIFICATIONS

Detailed technical specifications for the Acogedor J137 Electric Drill Water Pump:

Attribute	Value
Model	J137
Material	Engineering Plastics
Weight	Approx. 393g / 0.87 lbs
Dimensions (L x W x H)	Approx. 125 x 107 x 78.6 mm / 4.9 x 4.2 x 3.1 inches
Internal Diameter (Inlet/Outlet)	Approx. 15.8 mm / 0.6 inches
Outside Diameter (Inlet/Outlet)	Approx. 21 mm / 0.8 inches
Power Source	Manual (via Hand Drill)
Brand	Acogedor
UPC	717207676272

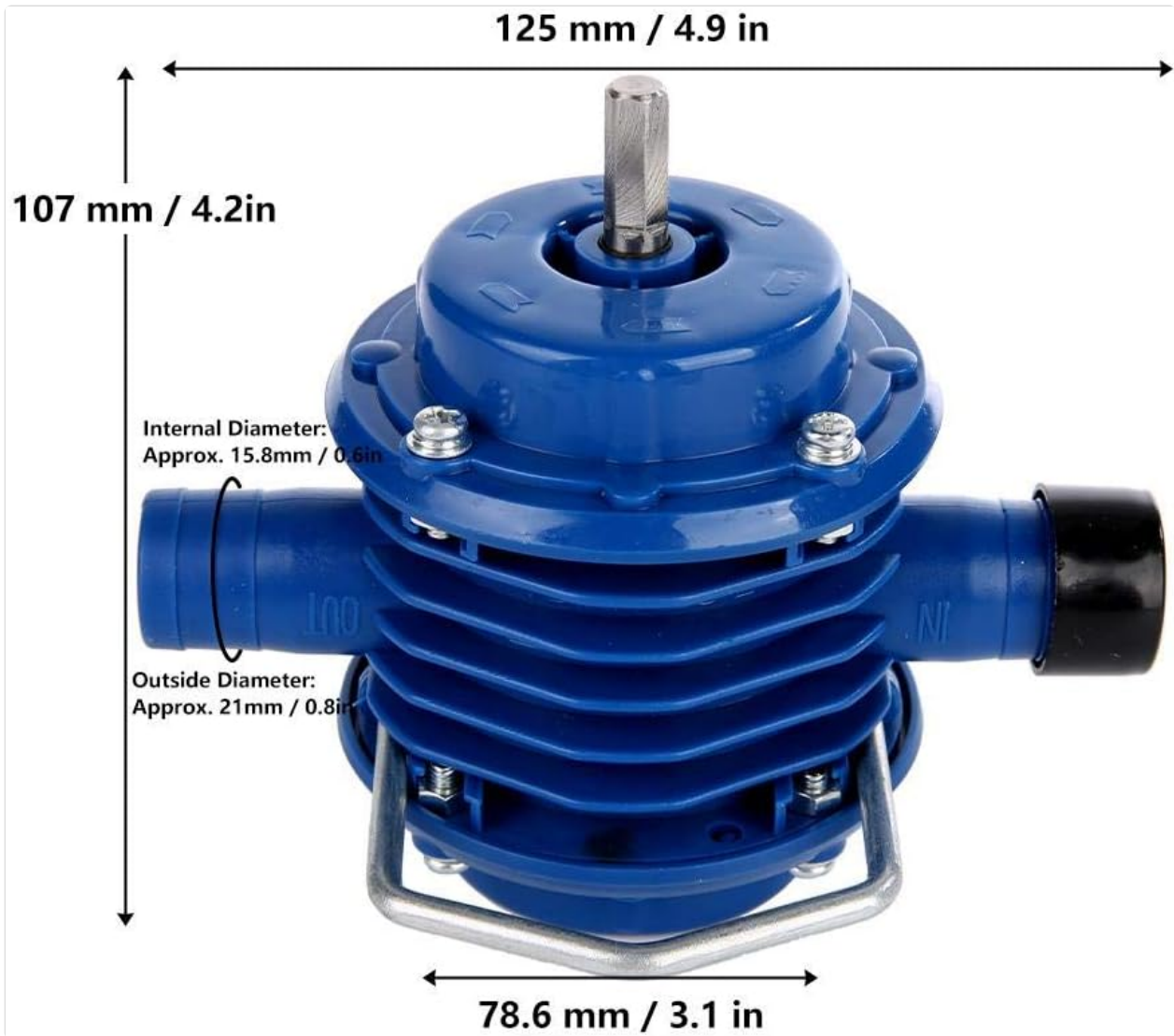


Image 6.1: Dimensional drawing of the Acogedor J137 pump.

7. WARRANTY AND SUPPORT

For warranty information and customer support regarding your Acogedor J137 Electric Drill Water Pump,

please refer to the documentation provided at the time of purchase or contact Acogedor customer service directly. Keep your purchase receipt as proof of purchase.