TRUPER BOAJ-1

Truper BOAJ-1 1 HP Jet Type Electric Water Pump User Manual

Model: BOAJ-1 | Brand: TRUPER

Product Overview

The Truper BOAJ-1 is a robust 1 HP jet type electric water pump designed for efficient water transfer. It features a high-pressure brass impeller and a motor with copper windings, ensuring enhanced durability and consistent performance. This pump is ideal for use with pressure tanks and hydropneumatic equipment, providing reliable water pressure and flow.



Image: Front view of the Truper BOAJ-1 electric water pump.

Product Components

Understanding the main components of your Truper BOAJ-1 pump is essential for proper operation and maintenance.

- **Thermal Protector:** Safeguards the motor from overheating.
- **Continuous Duty Capacitor:** Provides greater starting power for the motor.
- **Motor with Copper Windings:** Ensures 2x greater durability compared to aluminum windings.
- **Single-phase Asynchronous Electric Motor:** The core power unit of the pump.
- **High-Pressure Brass Impeller:** Responsible for generating and maintaining water pressure.

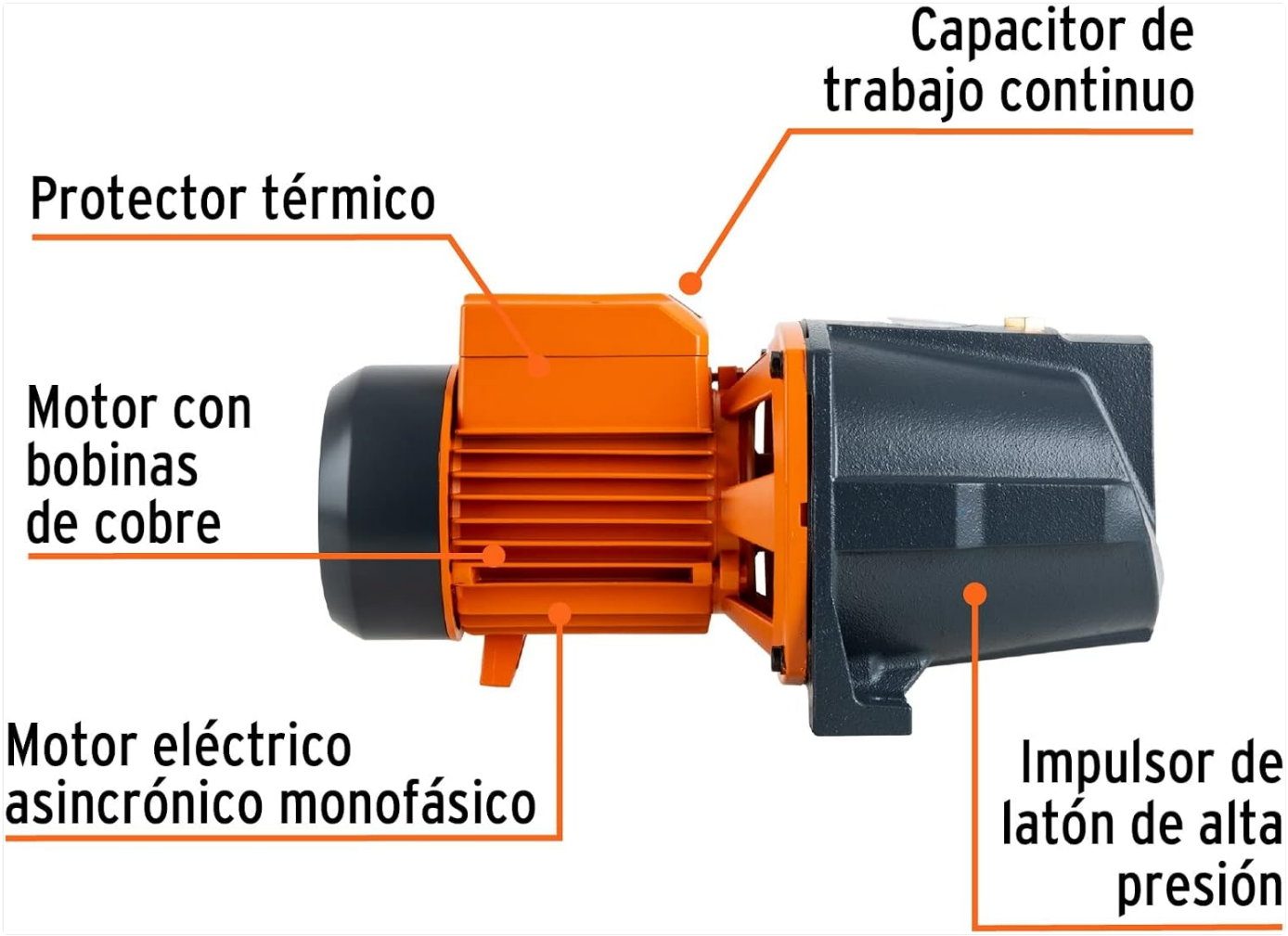


Image: Diagram illustrating the key internal and external components of the pump.

Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your pump. Follow these recommendations:

- **Location:** Install the pump in covered areas to protect it from elements.
- **Ventilation:** Ensure the installation area is dry and well-ventilated.
- **Temperature:** Operate the pump in environments where the ambient temperature does not exceed 40° C (104° F).
- **Priming:** Completely fill the pump with clean water before turning it on for the first time. This is essential for proper operation and to prevent damage.
- **Mounting:** Place the pump horizontally on flat surfaces and secure it firmly using screws to prevent vibration and movement during operation.



Image: Visual guide for pump installation recommendations.

Operating Instructions

The Truper BOAJ-1 pump is designed to draw water from a tank or cistern and deliver it with consistent pressure and flow. Ensure the pump is properly primed before starting. Once connected to a water source and power, the pump will activate to move water through your system. It is recommended for use with pressure tanks and hydropneumatic equipment to maintain stable water supply.

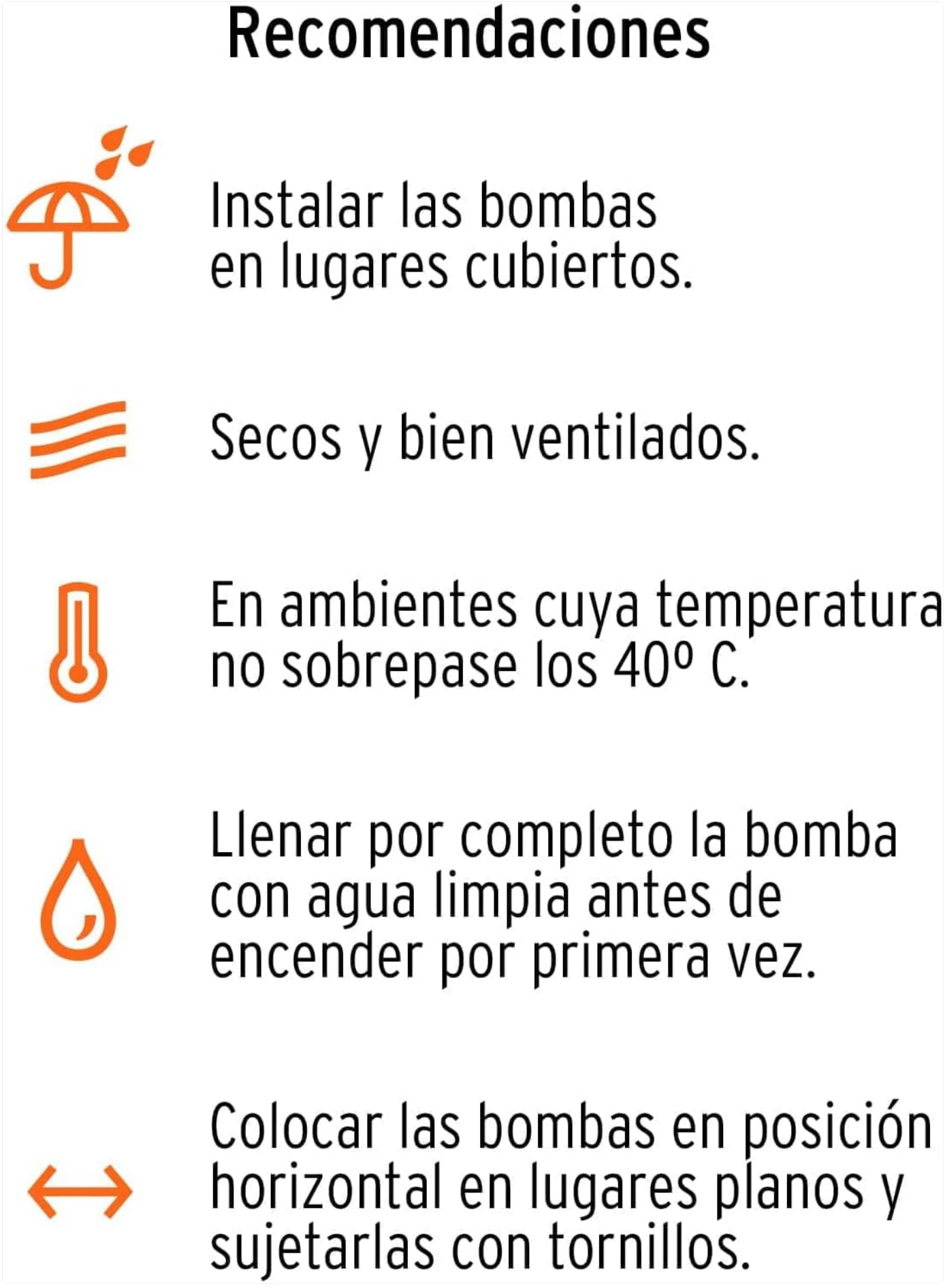


Image: Diagram illustrating the water supply flow from a tank or cistern through the pump.

Performance Curve

For optimal selection based on your specific needs, compare the performance between the Height (m) and Flow (L/min) provided by this model. The shaded area indicates the recommended operating range for the BOAJ-1 pump, ensuring efficient and reliable performance.

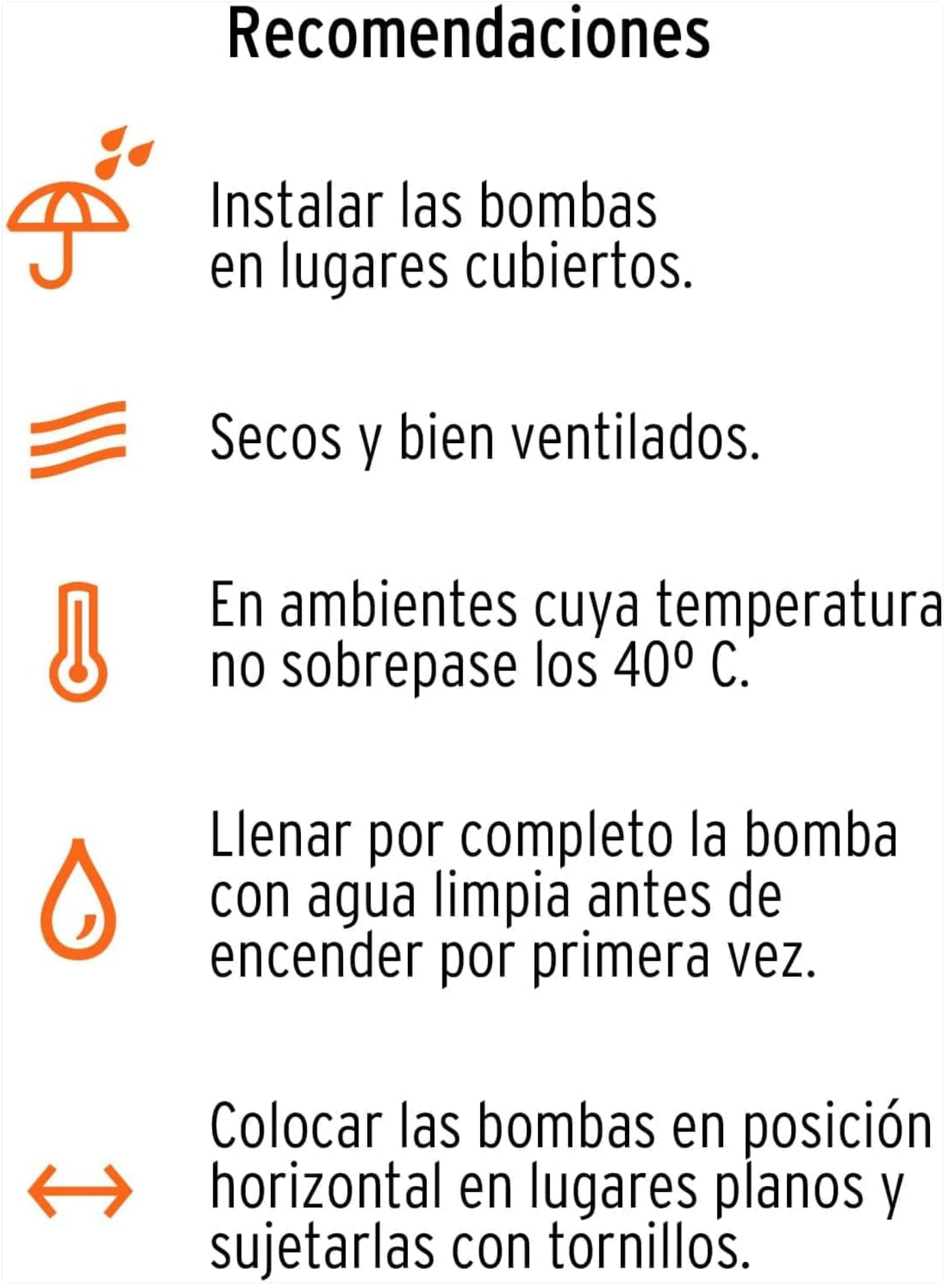


Image: Graph showing the performance curve of the BOAJ-1 pump, detailing height vs. flow.

Maintenance

To ensure the longevity and efficient operation of your Truper BOAJ-1 pump, regular maintenance is recommended. While the motor features durable copper windings, periodic checks can prevent issues.

- **Regular Inspection:** Periodically inspect the pump for any signs of leaks, unusual noises, or vibrations.
- **Cleanliness:** Keep the pump and its surroundings clean and free from debris to ensure proper ventilation and prevent obstruction.
- **Water Quality:** Ensure the water being pumped is clean to prevent sediment buildup in the impeller or other components.
- **Electrical Connections:** Check electrical connections for tightness and signs of wear.

Troubleshooting

This section provides general guidance for common issues. For complex problems, consult a qualified technician.

- **Pump Not Starting:** Check power supply, circuit breaker, and ensure the pump is properly plugged in. Verify that the motor is not seized.
- **Low Water Flow/Pressure:** Ensure the pump is fully primed. Check for blockages in the intake or discharge lines. Inspect the impeller for damage or debris.
- **Excessive Noise/Vibration:** Ensure the pump is securely mounted. Check for air in the system or foreign objects in the pump.
- **Pump Overheating:** Verify proper ventilation around the motor. Ensure the pump is not running dry. Check for excessive load or blockages.

Specifications

Detailed technical specifications for the Truper BOAJ-1 1 HP Jet Type Electric Water Pump.

Feature	Specification
Manufacturer	Truper SA de CV
Part Number	BOAJ-1
Style	1 HP
Material	Brass
Power Source	Electric Cord
Voltage	120 Volts
Flow Rate	70 Liters per minute
Weight	13.4 Kilograms
Product Dimensions (L x W x H)	44.4 x 23.01 x 19.81 cm
Batteries Included	No
Batteries Required	No
First Available	August 7, 2015

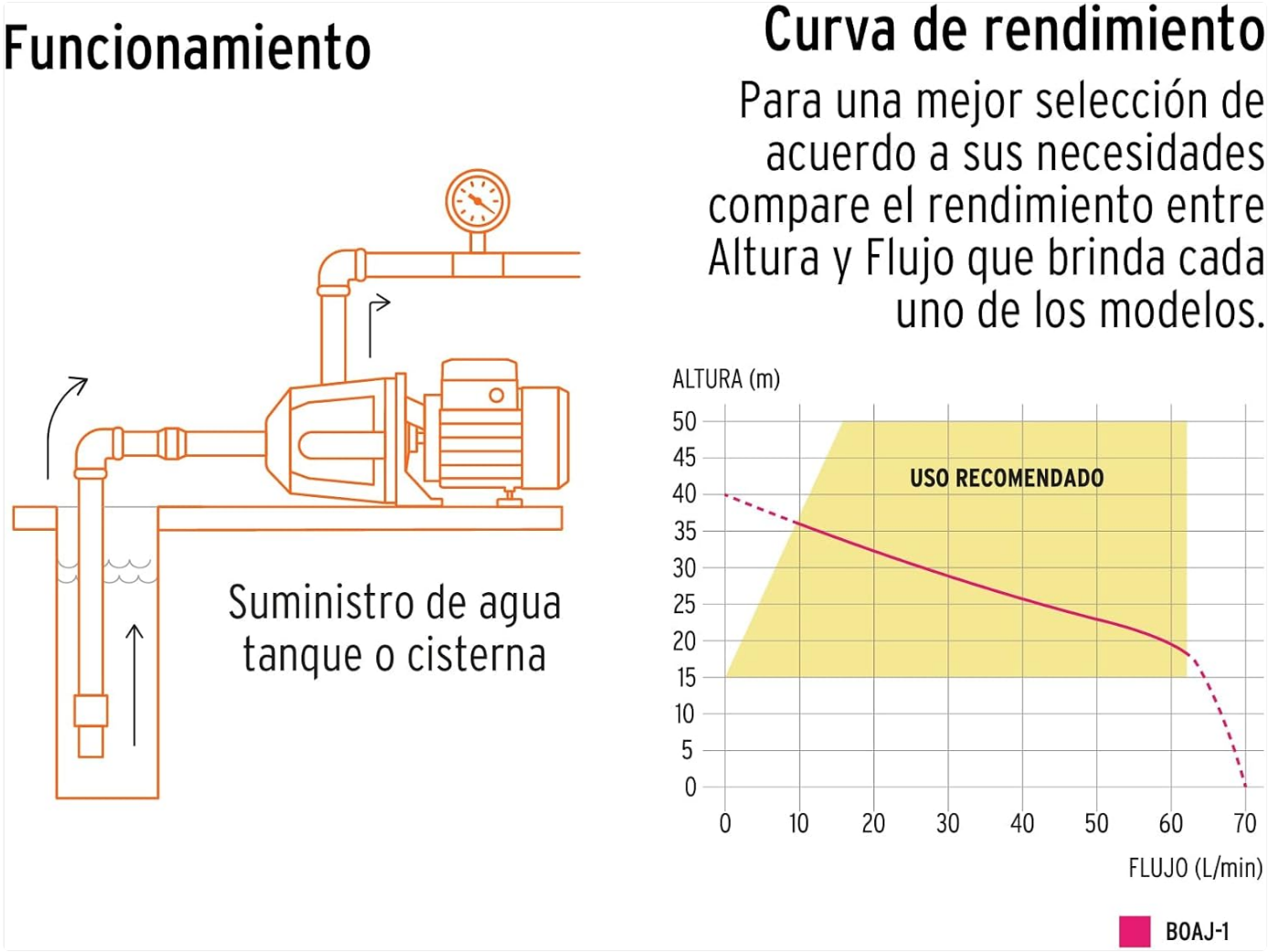


Image: Detailed dimensions of the Truper BOAJ-1 pump.

Warranty Information

The Truper BOAJ-1 pump comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use and service. Please retain your proof of purchase for any warranty claims. For specific terms and conditions, refer to the warranty card included with your product or contact Truper customer service.



Image: Product packaging indicating the 1-year warranty.

Support

For further assistance, technical support, or service inquiries regarding your Truper BOAJ-1 pump, please refer to the contact information provided in the product packaging or visit the official Truper website. Always provide your product model number (BOAJ-1) and serial number when contacting support for faster service.

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Question

Example: How do I reset this device or fix this error?

Details

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