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> [LEUNGOO UST1202 2HP Swimming Pool Pump Motor Instruction Manual](#)

LEUNGOO UST1202

LEUNGOO UST1202 2HP Swimming Pool Pump Motor Instruction Manual

Model: UST1202

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your LEUNGOO UST1202 2HP Swimming Pool Pump Motor. Please read this manual thoroughly before attempting to install or operate the motor. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Electrical shock hazard. This product must be installed and serviced by a qualified professional in accordance with all applicable national and local electrical codes. Failure to do so can result in serious injury or death.

- Always disconnect power to the pump motor at the circuit breaker before performing any installation, maintenance, or service.
- Ensure proper grounding of the motor to prevent electrical shock.
- Do not operate the motor if it is damaged or if any electrical components are exposed to water.
- Keep children and unauthorized persons away from the pool equipment area.
- Verify that the voltage and frequency of the power supply match the motor's specifications.

3. PRODUCT OVERVIEW

The LEUNGOO UST1202 is a 2 horsepower (HP) replacement motor designed for various swimming pool pumps. It features a 56J frame and operates at 115V or 230V, 3450 RPM. This motor is supplied with a seal kit for installation.



Image 3.1: LEUNGGO UST1202 2HP Swimming Pool Pump Motor and Seal Kit. This image displays the black motor unit with its shaft and the various components of the seal kit laid out in front.

This motor is compatible with several popular pool pump models, including Hayward Max Flow, Hayward Super Pump, Hayward Super II, Hayward Northstar, and Jacuzzi Magnum Pumps. It is designed to directly replace motors with numbers such as 12018, B230, C48M2N111, SP1615Z1M, and others.

4. SPECIFICATIONS

Refer to the table below for detailed technical specifications of the LEUNGGO UST1202 motor.

Feature	Specification
Model Number	UST1202
Horsepower (HP)	2 HP
Voltage	115V / 230V

Feature	Specification
Amperage	19.6A (115V) / 10.4A (230V)
RPM	3450 RPM
Frame Type	56J Frame
Service Factor	1.1
Rotation	CCWPE (Counter-Clockwise Pump End)
Product Dimensions	14.69 x 5.63 x 5.63 inches (373 x 143.10 x 143.10 mm)
Weight	30 Pounds



PUMP MOTOR

Model No. UST1202

- **2 HP 10.4/19.6 A**
- **3450 RPM**
- **230/115V 60HZ**
- **Service Factor 1.10**
- **56J Frame**
- **CCWPE ROTATION**
- **Motor with below seal kit.**

Image 4.1: LEUNGGO UST1202 Pump Motor Specifications. This image visually presents the key specifications of the motor, including

horsepower, RPM, voltage, frame type, and rotation.

MOTOR DIMENSIONS

Model No. UST1202

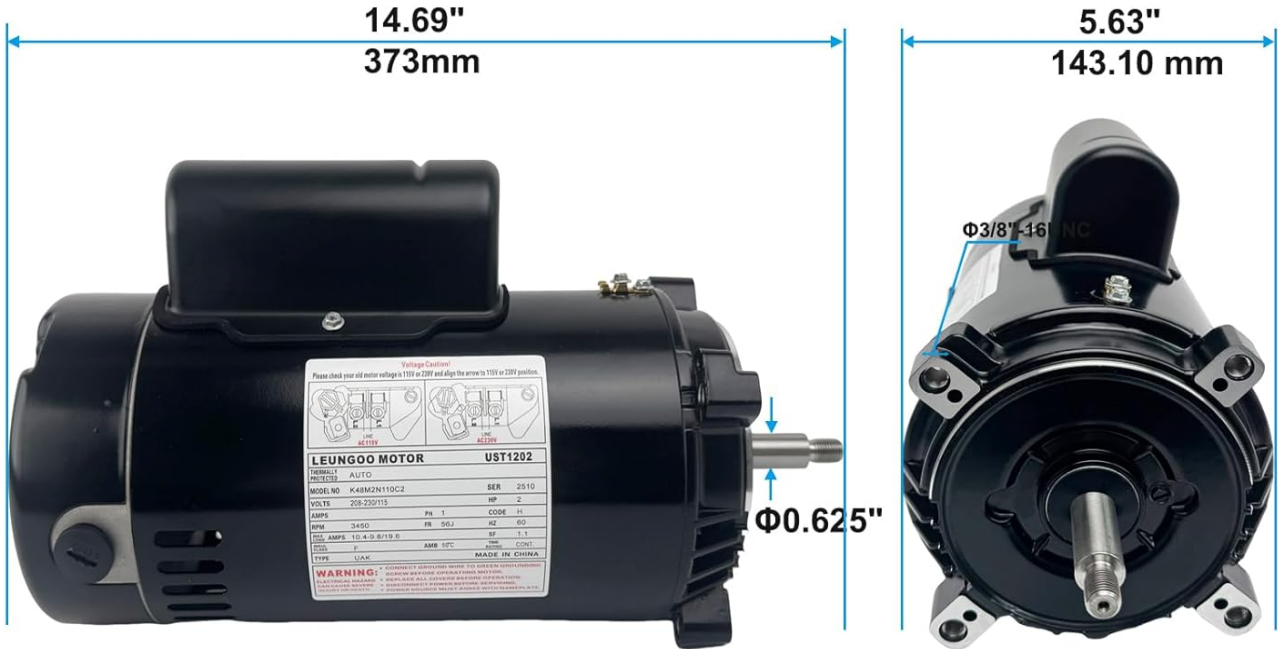


Image 4.2: LEUNGGO UST1202 Motor Dimensions. This image provides a diagram with the physical dimensions of the motor in both inches and millimeters.

5. SETUP AND INSTALLATION

Installation of this pump motor should only be performed by a qualified pool technician or electrician. Improper installation can lead to equipment damage, electrical shock, or fire.

5.1 Pre-Installation Checks

- Ensure the power supply to the existing pump is disconnected at the circuit breaker.
- Verify that the new motor's specifications (voltage, HP, frame type) match the requirements of your existing pump housing.
- Inspect the motor for any shipping damage.

5.2 Voltage Selection

The UST1202 motor is designed for dual voltage operation (115V or 230V). The motor is typically pre-wired for 230V. If your installation requires 115V, the motor wiring must be adjusted accordingly. This adjustment involves changing the position of internal wiring connections, usually located under the capacitor cover. Refer to the wiring diagram on the motor label or consult a qualified electrician for proper voltage conversion.



Image 5.1: LEUNGOO UST1202 Voltage Change Diagram. This image illustrates the internal wiring configuration for switching the motor between 115V and 230V operation.

5.3 Motor Replacement Steps (General)

1. Disconnect all electrical power to the pump.
2. Drain the pump housing.
3. Disconnect the motor from the pump housing, carefully noting the orientation of all components.
4. Remove the old motor.
5. Install the new seal kit (provided) according to the pump manufacturer's instructions. Proper seal installation is critical to prevent leaks.
6. Mount the new LEUNGOO UST1202 motor onto the pump housing, ensuring all bolts are securely tightened.

7. Connect the electrical wiring to the motor, ensuring correct voltage selection and proper grounding. Refer to the motor's wiring diagram.
8. Reassemble any remaining pump components.
9. Before restoring power, manually rotate the pump impeller to ensure it moves freely.

6. OPERATING INSTRUCTIONS

Once the motor is correctly installed and wired, follow these general operating guidelines:

- **Priming the Pump:** Ensure the pump is properly primed before starting the motor. Running a dry pump can cause severe damage.
- **Initial Start-up:** Restore power to the pump motor. The motor should start smoothly. Listen for any unusual noises or vibrations.
- **Monitoring:** Regularly check the pump and motor for proper operation, including water flow, pressure, and motor temperature.
- **Shut Down:** To turn off the pump, disconnect power at the circuit breaker.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your pump motor.

- **Keep Clean:** Keep the motor's exterior clean and free from debris, dust, and leaves to ensure proper ventilation and cooling.
- **Ventilation:** Ensure adequate airflow around the motor. Do not obstruct the motor's cooling fins.
- **Inspect Wiring:** Periodically inspect all electrical connections for tightness and signs of corrosion or damage.
- **Seal Integrity:** Monitor the pump for any signs of water leaks around the shaft seal. Replace the seal kit if leaks are detected.
- **Winterization:** In colder climates, follow proper winterization procedures for your pool pump system to prevent freeze damage.

8. TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here, or if solutions do not resolve the issue, contact a qualified technician.

Problem	Possible Cause	Solution
Motor does not start	No power; tripped circuit breaker; incorrect wiring; seized impeller.	Check power supply and circuit breaker. Verify wiring connections. Ensure impeller rotates freely.
Motor hums but does not start	Faulty capacitor; incorrect voltage; seized impeller.	Verify correct voltage setting. Check for obstructions in the impeller. A faulty capacitor requires professional service.
Motor overheats	Poor ventilation; low voltage; high ambient temperature; pump running dry.	Ensure adequate airflow around the motor. Verify correct voltage. Check pump for proper priming and water flow.
Water leaks from pump seal area	Damaged or improperly installed shaft seal.	Replace the shaft seal kit, ensuring correct installation.
Excessive noise or vibration	Loose mounting; worn bearings; impeller obstruction.	Check motor mounting bolts. Inspect impeller for debris. Worn bearings require professional service.

9. WARRANTY AND SUPPORT

The LEUNGOO UST1202 2HP Swimming Pool Pump Motor comes with a **2-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or further assistance, please contact LEUNGOO customer service. Keep your purchase receipt as proof of purchase.

For more information about LEUNGOO products, visit the official [LEUNGOO Store](#).

