

## LINGXIAO Relaax204-ES

# LINGXIAO 3/4HP Pool Booster Pump Instruction Manual

Model: Relaax204-ES | Brand: LINGXIAO

## 1. PRODUCT OVERVIEW

The LINGXIAO 3/4HP Pool Booster Pump is designed to provide optimal suction power for pressure pool cleaners. This Energy Star 3.1 standard pump is compatible with various OEM models, including #PB4-60 Booster Pump, #PB460, #W36060, and #EC-LA01N, LA\_MS05. It features an LX Energy Efficiency Motor, suitable for outdoor use, offering stable flow and low noise operation.

Key features include:

- **Dual Voltage Compatibility:** Operates on either 230V or 115V (factory default is 230V, manual wiring change required for 115V).
- **TEFC Motor:** Totally Enclosed Fan Cooled motor for outdoor durability against rain and sun.
- **Pre-tested:** Each pump is tested for 30 minutes before leaving the factory to ensure quality.
- **Quick Connect Kit:** Includes a 6.5ft soft tube and 4 connect fittings for easy installation.

## 2. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present:

- 1 x LINGXIAO Relaax 204-ES Pool Booster Pump
- 1 x User Manual (this document)
- 1 x 6.5ft Soft Tube
- 4 x Connect Fittings (various sizes)

# In the Box:

3/4HP



\*1 x Pool Booster Pump

## Includes Quick Install Kit

\*4 x Quick Connect Accessories



\*1 x 6ft Reinforced Hose

**LINGXIAO**<sup>®</sup>  
RELAAX204-ES POOL BOOSTER PUMP



Figure 2.1: Package contents including the booster pump, hose, and quick connect fittings.

*Note: A small amount of residual water may be present in the pump due to factory testing. This is normal and indicates a brand new unit.*

## 3. SETUP AND INSTALLATION

### 3.1. Site Selection

Choose a dry, level location near your pool equipment, protected from direct weather exposure if possible, although the TEFC motor is designed for outdoor use. Ensure adequate ventilation around the pump.

### 3.2. Electrical Wiring (Important!)

The factory default operating voltage for this pump is 230V. If your electrical supply is 115V, you **MUST** manually change the wiring configuration inside the pump's terminal box before operation. Failure to do so may result in

damage to the pump or electrical system.

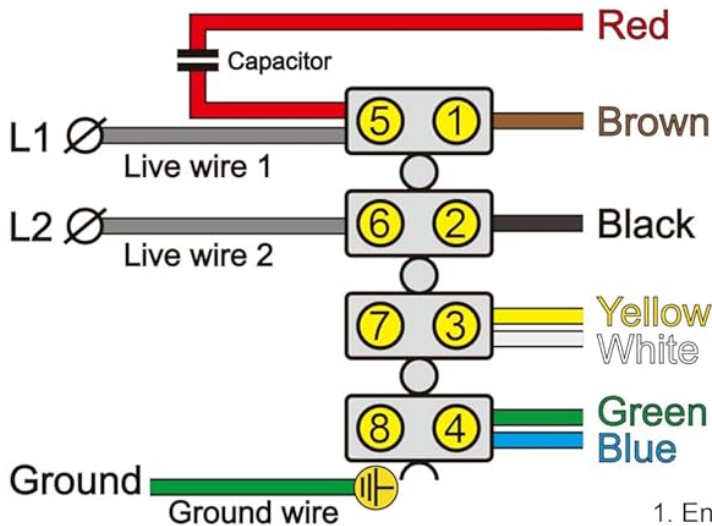
Refer to the detailed wiring diagram below for correct connections for both 230V and 115V setups. Always ensure power is disconnected at the circuit breaker before performing any wiring.

**LINGXIAO®**

## Relaax204-ES Wiring Diagram

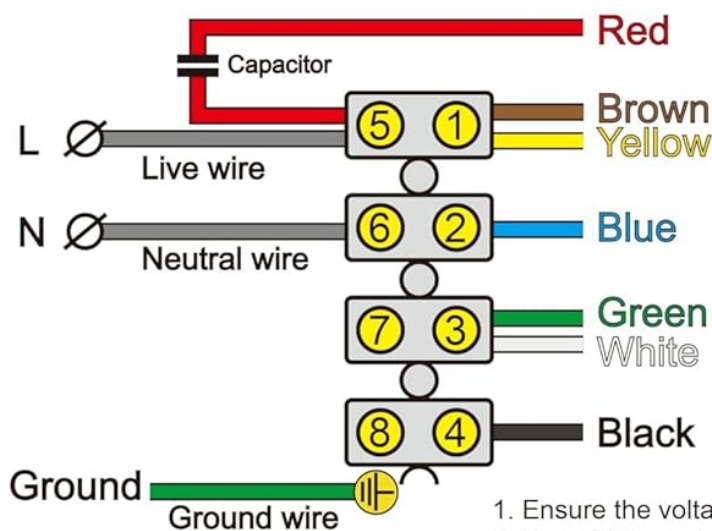
<https://www.lingxiaopumps.com/>

### 230V(60HZ) Set Up(Factory Wiring)



1. Ensure the voltage of the circuit 230V/60HZ.
2. Live wire 1: connect to terminal 5.
3. Live wire 2: connect to terminal 6.
4. Ground wire: connect to terminal Ground (under terminal 8).

### 115V(60HZ) Set Up



1. Ensure the voltage of the circuit 115V/60HZ.
2. Move Yellow wire from 3 to 1.
3. Move Blue wire from 4 to 2.
4. Move Black wire from 2 to 4.
5. Move Green wire from 4 to 3.
6. Live wire: connect to terminal 5.
7. Neutral wire: connect to terminal 6.
8. Ground wire: connect to terminal Ground (under terminal 8).

### 3.3. Plumbing Connections

Connect the pump to your existing pool plumbing using the provided quick connect fittings and soft tube. Ensure all connections are secure and watertight to prevent leaks. The pump is designed for easy integration with standard pool cleaner systems.



Figure 3.2: LINGXIAO Pool Booster Pump with connection accessories.

## 4. OPERATING INSTRUCTIONS

Once properly installed and wired, the LINGXIAO Pool Booster Pump is ready for operation. This pump is specifically designed to enhance the performance of pressure-side pool cleaners by providing consistent and powerful water flow.

### 4.1. Initial Start-up

1. Ensure all plumbing connections are tight and the pump is filled with water (primed) if necessary, to prevent dry running.

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- LINGXIAO®**
- # 3/4HP Pool Booster Pump
- ENERGY STAR**
- \* Energy Star Specification
- WARNING: MOTOR MUST BE GROUNDED BY**  
**ACCORDANCE WITH LOCAL AND NATIONAL ELECTRIC CODES.**  
 EXCLUSIONS: TYPE 1, In-ground, in-ground, use only for  
 EXCLUSIONS: TYPE 1, In-ground, in-ground, use only for  
 EXCLUSIONS: TYPE 1, In-ground, in-ground, use only for
- AVERTISSEMENT: LE MOTEUR DOIT ÊTRE MIS À LA TERRE**  
**CONFORMÉMENT AUX NORMES ÉLECTRIQUES EN VIGUEUR.**  
 EXCLUSIONS: TYPE 1, In-ground, in-ground, use only for  
 EXCLUSIONS: TYPE 1, In-ground, in-ground, use only for
- New Upgrade for pressure-side pool cleaners**

## 4.2. Performance Characteristics

The LX Energy Efficiency Motor ensures stable flow and low noise operation, contributing to a quieter pool environment. Its design is optimized for pressure pool cleaners, delivering the necessary power for effective cleaning.

# LX Energy Efficient Motor

Perfect for outdoors, rain or sun.

- Stability Performance
- Higher Efficiency
- Long Motor Service Life



Figure 4.2: LX Energy Efficient Motor features.

The pump supports both 230V and 115V electrical systems, offering flexibility for various installations. Its high compatibility allows it to work seamlessly with popular pool cleaner brands.

# Supports 230V or 115V

\*The factory default working voltage is 220V.  
If you are currently 110V, you must adjust the wiring manually.

- 🔊 Low Noise
- 🔧 High Compatibility
- 💧 TEFC Waterproof Motor



Figure 4.3: Voltage compatibility and key operational benefits.



Figure 4.4: Compatibility with different pressure pool cleaners.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your LINGXIAO Pool Booster Pump. Always disconnect power before performing any maintenance.

### 5.1. Routine Checks

- **Inspect for Leaks:** Periodically check all plumbing connections for any signs of water leaks. Tighten fittings as needed.
- **Clean Debris:** Ensure the area around the pump is free from leaves, dirt, and other debris that could obstruct airflow to the motor or interfere with plumbing.
- **Listen for Unusual Noises:** While the pump is designed for low noise, any new or unusual sounds could indicate a problem.

## 5.2. Winterization (if applicable)

In regions subject to freezing temperatures, it is crucial to properly winterize your pump to prevent damage. Consult a pool professional for specific winterization procedures for your pool system.

## 6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your LINGXIAO Pool Booster Pump. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Pump does not start	No power supply	Check circuit breaker, ensure pump is plugged in.
Pump runs but no water flow / low flow	Pump not primed; Air leak in suction line; Clogged impeller	Prime the pump; Check and tighten all suction side connections; Inspect and clear impeller.
Unusual noise from pump	Air in system; Worn bearings; Debris in pump	Bleed air from system; Contact support for bearing issues; Inspect and clear pump of debris.
Water leaking from pump	Loose connections; Damaged seal	Tighten all plumbing connections; Inspect and replace seals if damaged.

## 7. SPECIFICATIONS

Detailed technical specifications for the LINGXIAO Relaax204-ES Pool Booster Pump:

Specification	Value
Brand	LINGXIAO
Model Number	Relaax204-ES
Power Source	AC
Voltage	230 Volts (AC) or 115 Volts (AC) with manual wiring change
Wattage	750 watts
Item Weight	24 Pounds
Product Dimensions (L x W x H)	15.98" x 6.89" x 8.78"
Maximum Flow Rate	528 Cubic Meters Per Hour
Maximum Lifting Height	131.23 Feet
Sound Level	35 dB

Specification	Value
Material	Metal
Color	Black
Hose Length (Included)	79 Inches (approx. 6.5 ft)
Specific Uses For Product	InGround Pool

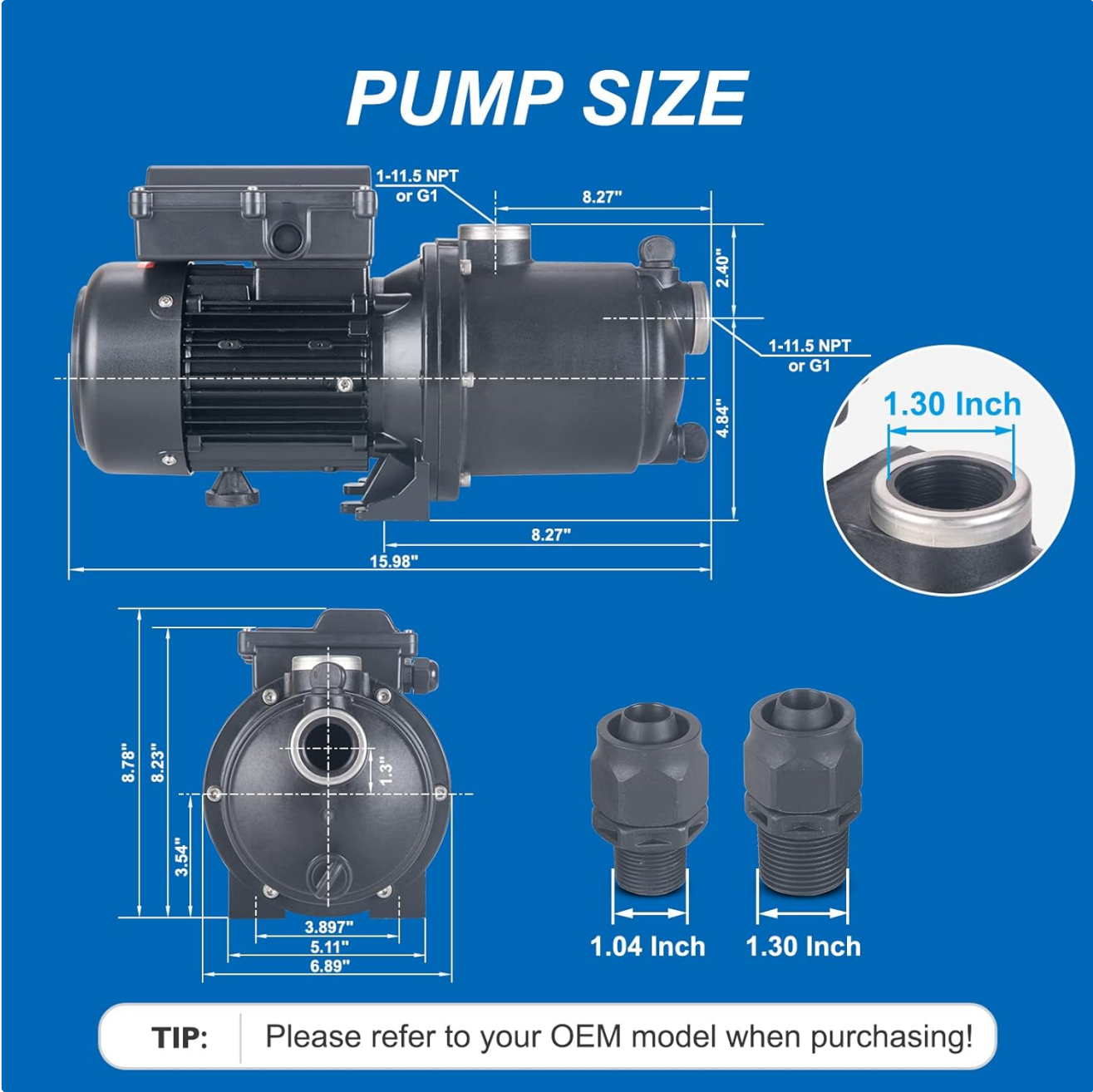


Figure 7.1: Pump dimensions and connection details.

## 8. WARRANTY AND SUPPORT

The LINGXIAO Pool Booster Pump comes with a **2-Year Manufacturer's Warranty**. This warranty covers defects



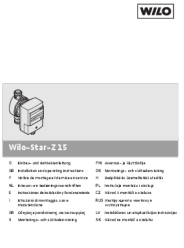
in materials and workmanship under normal use and service.

For warranty claims, technical assistance, or any questions regarding your product, please contact LINGXIAO customer support. Refer to the contact information provided on the product packaging or the official LINGXIAO website.

Online Resources:

- Visit the LINGXIAO Store on Amazon: [LINGXIAO Store](#)

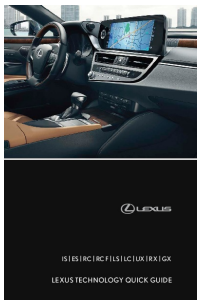
Related Documents - Relaax204-ES

	<p><a href="#">LINGXIAO Variable Speed Pumps Instruction Manual - Relaax Series</a></p> <p>Comprehensive instruction manual for LINGXIAO Relaax series variable speed pool pumps (Relaax130-VS, Relaax220-VS, Relaax390-VS), covering installation, operation, maintenance, safety, troubleshooting, and technical specifications.</p>
	<p><a href="#">Hoover Commercial Electrostatic Sprayer Solution Compatibility Guide</a></p> <p>A comprehensive guide detailing compatible cleaning and garden chemicals for Hoover Commercial Electrostatic Sprayers, including essential usage instructions and safety warnings.</p>
	<p><a href="#">Wilo-Star-Z 15: Installation and Operating Manual</a></p> <p>Comprehensive installation and operating manual for the Wilo-Star-Z 15 circulation pump, covering safety, specifications, installation procedures, electrical connections, and maintenance by WILO AG.</p>



### [Polaris Remote Control User Guide - Universal Electronics](#)

User guide for the Universal Electronics Polaris Remote Control. Learn how to set up, program, and use features like backlighting and code search for your TV and cable box.



### [Lexus Technology Quick Guide: Features, Connectivity, and Safety Systems](#)

Explore the advanced technology in your Lexus with this quick guide. Learn about Bluetooth, Safety System+, Enform, Navigation, Remote, Apple CarPlay, Android Auto, Alexa, Google Assistant, Voice Command, Wi-Fi, and more.