QDX1.5-32-0.75

Generic QDX1.5-32-0.75 Submersible Pump Instruction Manual

Model: QDX1.5-32-0.75 | Brand: Generic

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Generic QDX1.5-32-0.75 Submersible Pump. Please read these instructions carefully before using the pump and retain this manual for future reference.
The QDX1.5-32-0.75 is a robust electric submersible pump designed for various water transfer applications, featuring a 1-inch outlet, a maximum head of 30 meters, and a maximum flow rate of 135 liters per minute. It operates on a 220V single-phase 60Hz AC power supply with a 0.75 kW (1 HP) motor.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or death.

- Always disconnect the pump from the power supply before performing any maintenance, installation, or cleaning.
- Ensure the power supply voltage matches the pump's specifications (220V, 60Hz).
- Do not operate the pump with a damaged power cord or plug. Replace immediately if damaged.
- Never run the pump dry. Ensure it is fully submerged in water during operation to prevent overheating and damage.
- Keep hands, feet, and clothing clear of the pump's intake and outlet during operation.
- Do not use the pump for flammable, corrosive, or explosive liquids. It is designed for clean water only.
- Ensure proper grounding to prevent electrical hazards.

- Children should be supervised to ensure they do not play with the appliance.

3. Product Overview

The Generic QDX1.5-32-0.75 Submersible Pump is constructed from durable aluminum, iron, and plastic components, designed for reliable performance in water pumping tasks.

Image 1: Front view of the Generic QDX1.5-32-0.75 Submersible Pump, showing the silver-colored pump body, black power cable, blue float switch, and the 1-inch outlet connection.

Key Features:

- **Motor Type:** Submersible
- **Power Source:** Electric (220V, 60Hz, Single Phase)
- **Power Output:** 0.75 kW (1 Horsepower)
- **Maximum Head:** 30 meters
- **Maximum Flow Rate:** 135 liters per minute

- **Speed:** 3600 RPM
- **Construction Materials:** Aluminum, Iron, Plastic
- **Included Components:** Submersible Pump unit

4. Setup

1. **Unpacking:** Carefully remove the pump from its packaging. Inspect for any signs of damage during transit.
2. **Placement:** Position the pump in the desired location, ensuring it is on a stable, level surface and can be fully submerged in the water to be pumped. Avoid placing it directly on mud or sand to prevent clogging.
3. **Hose Connection:** Connect a suitable discharge hose to the 1-inch outlet of the pump. Secure the hose with a clamp to prevent leaks and disconnections during operation.
4. **Electrical Connection:** Ensure the power outlet is properly grounded and matches the pump's electrical requirements (220V, 60Hz). Plug the pump into the power outlet. If a float switch is present, ensure it has free movement.
5. **Submersion:** Lower the pump into the water. Ensure the pump is completely submerged before connecting to power or starting operation.

5. Operating Instructions

1. **Initial Start-up:** After completing the setup steps, plug the pump into the power source. The pump will start automatically if equipped with a float switch and the water level is sufficient.
2. **Monitoring:** Observe the pump's operation. Ensure water is being discharged smoothly and there are no unusual noises or vibrations.
3. **Float Switch Operation:** If your pump has a float switch, it will automatically turn the pump on when the water level rises and turn it off when the water level drops below a certain point. Ensure the float switch can move freely.
4. **Shutting Down:** To stop the pump, simply unplug it from the power source. If using a float switch, the pump will stop automatically when the water level is low.
5. **Dry Running:** Avoid dry running the pump. Prolonged operation without water will cause severe damage to the motor and seals.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your submersible pump.

- **Before Maintenance:** Always disconnect the pump from the power supply before any inspection or maintenance.
- **Cleaning:** Periodically clean the pump's intake screen to remove debris, leaves, or sediment that may obstruct water flow.
- **Inspection:** Regularly inspect the power cord and plug for any signs of damage, cuts, or fraying. Check the discharge hose for blockages or wear.
- **Storage:** If the pump will not be used for an extended period, clean it thoroughly, drain all water, and store it in a dry, frost-free location.
- **Float Switch:** Ensure the float switch is clean and moves freely.

7. Troubleshooting

Problem	Possible Cause	Solution
Pump does not start	No power supply; Float switch not activated; Clogged impeller	Check power connection; Ensure water level is high enough for float switch; Clean impeller and intake screen.
Pump runs but no water is discharged	Air lock; Clogged intake/discharge hose; Insufficient water level	Raise and lower pump to release air; Clear blockages; Ensure pump is fully submerged.
Reduced flow rate	Partial blockage; Worn impeller; Low voltage	Clean pump and hose; Inspect impeller for wear (contact service); Check power supply voltage.
Pump stops unexpectedly	Overheating (thermal overload); Float switch deactivation; Power interruption	Allow pump to cool down; Check water level; Verify power supply.

8. Specifications

Specification	Value
Model Number	QDX1.5-32-0.75
Brand Name	Generic
Manufacturer	Alfa
Product Type	Submersible Pump
Power Source	Electric
Voltage	220 Volts

Specification	Value
Frequency	60 Hz
Horsepower	1 HP
Maximum Flow Rate	135 Liters per Minute
Maximum Lift Height (Head)	30 Meters
Materials	Aluminum, Iron, Plastic
Color	Silver
Product Dimensions	430 x 200 x 260 cm
Item Weight	14.7 kg
Part Number	BIN_01_107

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer. Standard return policies, such as a 15-day return period, may apply.