

EBARA 50DWXU6.75S2

EBARA DOMINATOR Manual Sewage Pump User Manual

Model: 50DWXU6.75S2

Brand: EBARA

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your EBARA 50DWXU6.75S2 DOMINATOR Manual Sewage Pump. Please read this manual thoroughly before installation or operation to ensure proper use and to prevent injury or damage.

The EBARA 50DWXU6.75S2 is a robust 1 HP sewage pump designed for reliable performance in demanding applications, featuring stainless steel construction for durability.

SAFETY INFORMATION

WARNING: Failure to follow these instructions may result in serious injury or death.

- Always disconnect power before servicing or installing the pump.
- Ensure all electrical connections comply with local codes and regulations.
- Do not operate the pump in explosive atmospheres.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- This pump is designed for sewage and effluent. Do not use for flammable liquids or potable water.

SETUP AND INSTALLATION

Proper installation is critical for the pump's performance and longevity. Consult a qualified professional if you are unsure about any step.

Pre-Installation Checklist:

- Verify power supply matches pump requirements (1 x 230V).
- Ensure adequate space for pump placement and maintenance access.

3. Inspect the pump for any shipping damage.

Installation Steps:

1. **Positioning:** Place the pump on a solid, level surface in the sump or basin. Ensure it is not resting directly on sludge or debris.
2. **Discharge Piping:** Connect the discharge piping to the pump's outlet. Use a check valve to prevent backflow and a gate valve for isolation during maintenance.
3. **Electrical Connection:** Connect the pump to a dedicated electrical circuit with proper overcurrent protection. All wiring must be done by a licensed electrician and conform to local electrical codes.
4. **Testing:** After installation, fill the sump with water and cycle the pump several times to ensure proper operation and check for leaks.



Figure 1: EBARA 50DWXU6.75S2 DOMINATOR Manual Sewage Pump. This image shows the overall view of the stainless steel pump, highlighting its compact design and the discharge flange at the bottom.

OPERATING INSTRUCTIONS

The EBARA 50DWXU6.75S2 is a manual pump, meaning its operation is controlled externally, typically by a control panel or float switch system (not included with the pump itself).

Initial Start-up:

1. Ensure the pump is fully submerged in the liquid to be pumped.
2. Verify all piping connections are secure and leak-free.
3. Turn on the power supply to the pump's control circuit.
4. Activate the pump manually via its control panel or by raising the float switch (if installed) to initiate pumping.

Normal Operation:

The pump will operate when activated and will continue to pump until manually shut off or until the liquid level drops below its intake, depending on the control system used. Avoid running the pump dry for extended periods, as this can cause damage.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump. Always disconnect power

before performing any maintenance.

Routine Checks (Monthly):

- **Sump/Basin Inspection:** Check the sump for excessive debris or sludge buildup that could impede pump operation.
- **Pump Housing:** Inspect the pump for any visible damage or corrosion.
- **Discharge Line:** Ensure the discharge line is clear and free of obstructions.
- **Operation Test:** Manually cycle the pump to ensure it starts and stops correctly and pumps efficiently.

Annual Maintenance:

- Consider having a qualified technician inspect the motor, impeller, and seals for wear.
- Clean the pump thoroughly to remove any accumulated residue.

TROUBLESHOOTING

Before attempting any repairs, ensure the power supply to the pump is disconnected.

Problem	Possible Cause	Solution
Pump does not start.	No power; tripped breaker; faulty wiring; motor issue.	Check power supply and breaker. Inspect wiring. Consult technician for motor issues.
Pump runs but does not pump liquid.	Air lock; clogged impeller/intake; discharge line obstruction.	Bleed air from system. Clear any blockages from impeller or intake. Check discharge line for clogs.
Pump cycles too frequently.	Check valve failure; small sump; control issue.	Inspect/replace check valve. Evaluate sump size. Check control system settings.

SPECIFICATIONS

Model: 50DWXU6.75S2
Brand: EBARA
Horsepower (HP): 1 HP
Voltage: 1 x 230V
Material: Stainless Steel
Item Weight: 41 pounds
Package Dimensions: 23 x 11 x 10 inches
Power Source: AC/DC





WARRANTY AND SUPPORT



For specific warranty information, please refer to the documentation provided with your purchase or contact EBARA customer service directly. Keep your purchase receipt as proof of purchase.

For technical support, parts, or service inquiries, please contact EBARA customer support or an authorized service center. Contact details can typically be found on the manufacturer's official website or on the product packaging.

Note: Protection plans may be available from third-party providers, but these are separate from the manufacturer's warranty.

Related Documents - 50DWXU6.75S2

	<p>EBARA DLU/DLMU Submersible Sewage Pump: Operating, Installation, and Maintenance Manual</p> <p>This manual provides comprehensive operating, installation, and maintenance instructions for EBARA DLU and DLMU submersible sewage pumps. It includes detailed specifications, safety precautions, wiring diagrams, troubleshooting guides, and parts lists.</p>
	<p>Manuale di Uso e Manutenzione Elettropompe Ebara Optima M</p> <p>Questa guida fornisce istruzioni essenziali per l'installazione, l'uso e la manutenzione sicura ed efficiente delle elettropompe sommerse Ebara Optima M, assicurando prestazioni ottimali.</p>
	<p>EBARA DKE Series Submersible Motor-Driven Pumps - Operating and Maintenance Manual</p> <p>Comprehensive operating and maintenance manual for EBARA DKE series submersible motor-driven pumps. Covers installation, operation, safety, troubleshooting, and maintenance for reliable performance.</p>
	<p>Manual de Instruções Ebara Bombas Submersíveis Trituradoras TSBT, BST, DG</p> <p>Este manual fornece instruções detalhadas para a instalação, operação e manutenção das bombas submersíveis trituradoras Ebara modelos TSBT, BST e DG, garantindo desempenho seguro e eficiente.</p>

	<p>EBARA Organisation, Management and Control Model: Annex 4 - Sanctioning System</p> <p>This document, Annex 4 of the Organisation, Management and Control Model by Ebara Pumps Europe S.p.A., details the Sanctioning System in accordance with Italian Legislative Decree 231/2001. It outlines assessment criteria, types of model violations, application procedures, the role of the Supervisory Body, and specific sanctions applicable to non-executive employees, managers, directors, statutory auditors, independent auditors, and external collaborators. It also covers reprehensible conduct for senior managers and changes to the system.</p>
	<p>EBARA 4OY 2WIRE Submersible Motor Data Book</p> <p>This data book provides detailed technical specifications, features, and performance data for the EBARA 4OY 2WIRE series of 4-inch, 2-wire rewindable oil-filled submersible motors, suitable for 50/60Hz operation.</p>