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MODEL: W180SX

1. PRODUCT OVERVIEW

The LGB W180SX is a replacement pump designed for commercial dishwashers and glasswashers. It is compatible with various models from Colged (BETA-235, SILVER-35, 914169, 915585) and Elettrobar (913289, 913290, 913356, 913372, 913373). This pump is engineered for reliable performance in demanding commercial environments.



Image 1.1: The LGB W180SX dishwasher pump, showing its motor, capacitor, and water inlet/outlet connections. This pump is a critical component for water circulation in commercial dishwashing units.

Key features include its robust construction, specific electrical requirements (230V, 50Hz), and integrated 5 μ F capacitor, ensuring efficient operation. Its design facilitates a right-hand rotation direction, crucial for proper water flow within the appliance.

2. SPECIFICATIONS

Detailed technical specifications for the LGB W180SX pump are provided below:

Attribute	Value
Model Number	W180SX
Manufacturer Reference	4251391379251
Brand	LGB
Application	Dishwashers, Glasswashers
Material	Plastic
Power Source	Electric Cable
Voltage	230 V
Frequency	50 Hz
Power Output	0.19 kW / 0.26 HP
Capacitor	5 μ F (included)
Rotation Direction	Right
Length	220 mm
Number of Phases	1

3. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the pump. It is recommended that installation be performed by a qualified technician.

3.1 Safety Precautions

- **Disconnect Power:** Always ensure the dishwasher's main power supply is disconnected before beginning any installation or maintenance work.
- **Wear Protective Gear:** Use appropriate personal protective equipment (PPE), such as gloves and eye protection.
- **Handle with Care:** The pump may contain residual water; handle carefully to avoid spills.

3.2 Tools Required

- Screwdrivers (Phillips and flathead)
- Pliers
- Wrenches (adjustable or specific sizes)
- Bucket or towels for water collection

3.3 Installation Steps

1. **Access the Pump:** Locate and access the existing pump within the dishwasher unit. This may require removing panels or other components.
2. **Drain Water:** Ensure all water is drained from the dishwasher and pump housing.
3. **Disconnect Wiring:** Carefully disconnect the electrical wiring from the old pump, noting the connections for reassembly. Take a photo if necessary.
4. **Disconnect Hoses/Pipes:** Detach all water hoses and pipes connected to the old pump. Be prepared for residual water.

5. **Remove Old Pump:** Unmount and remove the old pump from its housing.
6. **Install New Pump:** Position the new LGB W180SX pump in the designated location. Ensure it is securely mounted.
7. **Reconnect Hoses/Pipes:** Reattach all water hoses and pipes to the new pump, ensuring all connections are tight and leak-free.
8. **Reconnect Wiring:** Connect the electrical wiring to the new pump according to the noted connections. Ensure all connections are secure and insulated.
9. **Verify Installation:** Double-check all connections, mounting, and wiring before reassembling the dishwasher panels.

4. OPERATING INSTRUCTIONS

Once the LGB W180SX pump is correctly installed, the dishwasher can be operated normally. The pump functions automatically as part of the dishwasher's wash cycle.

- **Initial Test Run:** After installation, perform a short test cycle with the dishwasher to check for proper pump operation and any leaks.
- **Listen for Abnormal Noises:** During operation, listen for any unusual grinding, humming, or rattling noises, which could indicate an issue.
- **Check Water Circulation:** Observe if water is circulating effectively within the dishwasher during the wash cycle.

5. MAINTENANCE

Regular maintenance helps extend the lifespan of your pump and ensures optimal dishwasher performance. Always disconnect power before performing maintenance.

- **Inspect for Leaks:** Periodically check hose connections and pump seals for any signs of water leakage.
- **Clean Filter/Strainer:** If accessible, regularly clean the dishwasher's main filter and any strainer located near the pump inlet to prevent debris from entering the pump.
- **Check Electrical Connections:** Ensure all electrical connections to the pump remain secure and free from corrosion.
- **Listen for Changes:** Pay attention to any changes in the pump's operating sound, which might indicate wear or an impending issue.

6. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with the pump. For complex problems, consult a qualified technician.

Problem	Possible Cause	Solution
Pump not running	No power supply Loose electrical connections Motor failure	Check dishwasher power Verify and secure wiring Consult technician for motor diagnosis/replacement
Poor water circulation	Clogged filter/strainer Impeller obstructed by debris Damaged impeller	Clean dishwasher filter and pump strainer Inspect and clear impeller area Replace pump if impeller is damaged
Noisy operation	Foreign object in pump Worn bearings Loose mounting	Inspect and remove any debris Pump replacement may be necessary Ensure pump is securely mounted
Water leakage	Loose hose connections Damaged seals/gaskets Cracked pump housing	Tighten hose clamps Replace seals/gaskets Replace pump

7. WARRANTY AND SUPPORT

For warranty information, please refer to the terms provided by your original point of purchase or the manufacturer, LGB. As per available information, details regarding the availability of spare parts for this specific model are currently unavailable.

If you require technical assistance, troubleshooting beyond this manual, or information on spare parts, please contact the seller or a certified appliance repair professional.

Note: This manual provides general guidance. Specific dishwasher models may have unique access or installation requirements. Always refer to your dishwasher's service manual for detailed instructions.