Metabo HWW 4000/25 G

Metabo HWW 4000/25 G Domestic Water Pump System Instruction Manual

Model: 600971000

1. Product Overview

The Metabo HWW 4000/25 G is a domestic water pump system designed for automatic water supply, garden irrigation, groundwater pumping, and the transfer, pumping, and circulation of clear water from pressure tanks. It features an energy-efficient and low-noise operation, equipped with a pressure switch on the boiler for automatic activation to meet higher water demands. The system includes a maintenance-free capacitor motor and overload protection to prevent overheating. A high-quality mechanical sealing system ensures a long service life. For user convenience, it has a separate water filling opening for easy pump startup and a tool-free water drain plug to protect against frost damage. This system is suitable for garden irrigation with 1 to 3 sprinklers and operates on single-phase power.

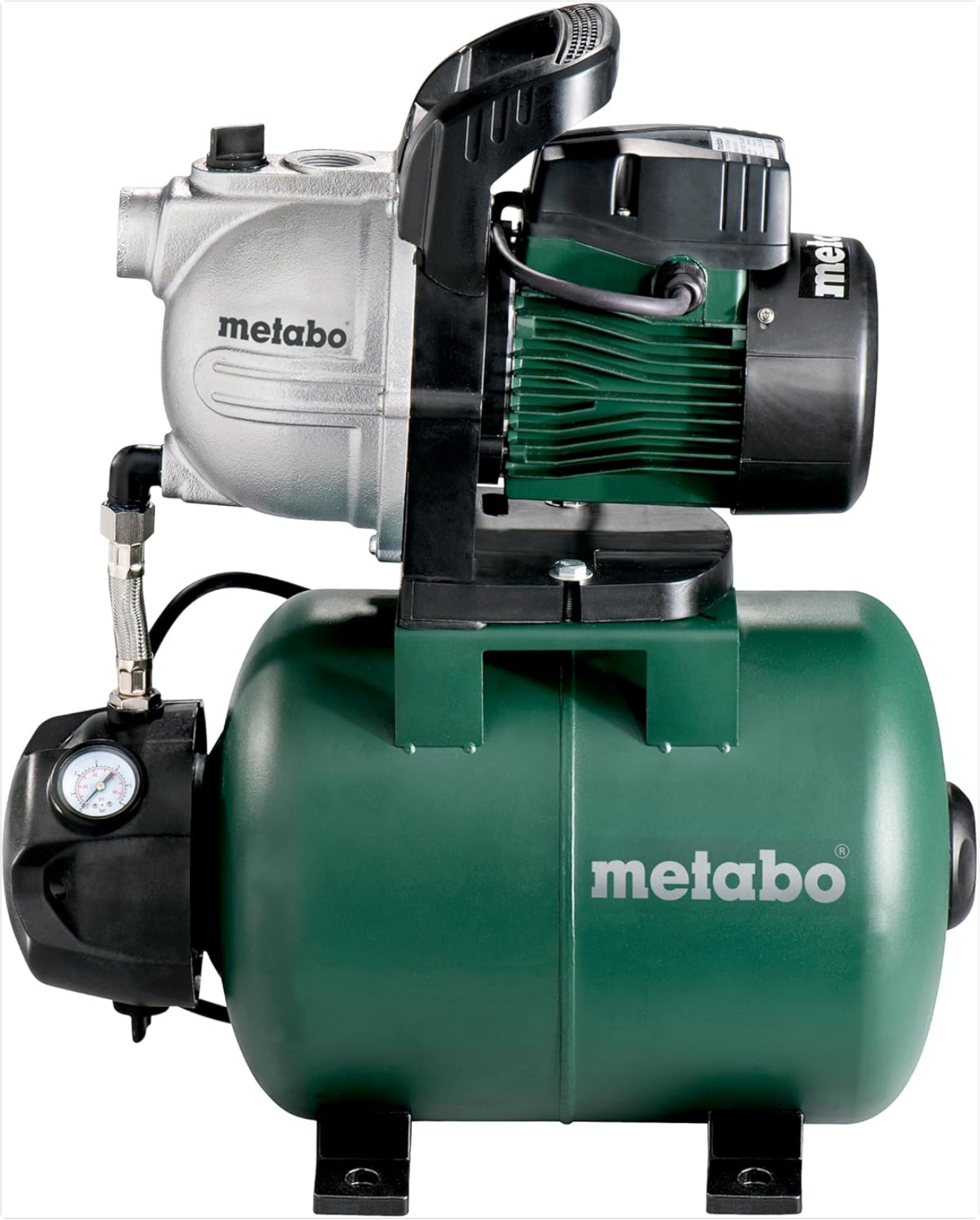

Figure 1: Metabo HWW 4000/25 G Domestic Water Pump System. This image shows the complete pump unit with its green pressure tank and silver pump head, featuring the Metabo logo.

2. Safety Instructions

Always read and understand all safety warnings and instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Ensure the power supply matches the voltage specified on the pump's rating plate.
- Do not operate the pump with damaged cables or plugs.

- Protect the pump from frost. Drain water completely if storing in freezing temperatures.
- Do not pump flammable, explosive, or corrosive liquids.
- Keep children and unauthorized persons away from the operating area.
- Always disconnect the power supply before performing any maintenance or cleaning.

3. Setup

3.1 Unpacking

Carefully remove all components from the packaging. Inspect for any damage that may have occurred during transit. Retain packaging for future storage or transport.

3.2 Placement

Place the pump on a firm, level surface in a dry, well-ventilated area, protected from direct sunlight and frost. Ensure sufficient space around the pump for ventilation and maintenance.

3.3 Electrical Connection

Connect the pump to a properly grounded electrical outlet. Ensure the electrical circuit is protected by a residual current device (RCD) with a tripping current of no more than 30 mA.

3.4 Water Connections

Connect the suction line to the pump's inlet and the pressure line to the outlet. Use appropriate fittings and sealants to ensure watertight connections. For optimal performance, the suction line should be as short and straight as possible, and its diameter should not be smaller than the pump's inlet diameter. Install a non-return valve on the suction line to prevent water from flowing back.

3.5 Priming the Pump

Before initial start-up, the pump must be completely filled with water through the separate water filling opening until no more air escapes. This ensures proper suction and prevents dry running. Close the filling opening securely after priming.

Figure 2: Typical domestic water supply setup. This diagram illustrates the pump connected to an underground water tank, supplying water to a household fixture like a toilet.

4. Operating Instructions

4.1 Initial Start-up

After priming the pump and ensuring all connections are secure, plug the pump into the electrical outlet. The pump

will start automatically when water is drawn and the pressure in the system drops below the set activation pressure.

4.2 Automatic Operation

The integrated pressure switch monitors the system pressure. When water is consumed (e.g., opening a tap), the pressure drops, and the pump automatically switches on. Once the water consumption stops and the system pressure reaches the maximum set value, the pump switches off. This automatic function ensures an efficient and convenient water supply.

4.3 Shutting Down

To temporarily shut down the pump, simply close all water outlets. The pump will switch off automatically. For extended periods of non-use or maintenance, disconnect the pump from the power supply.

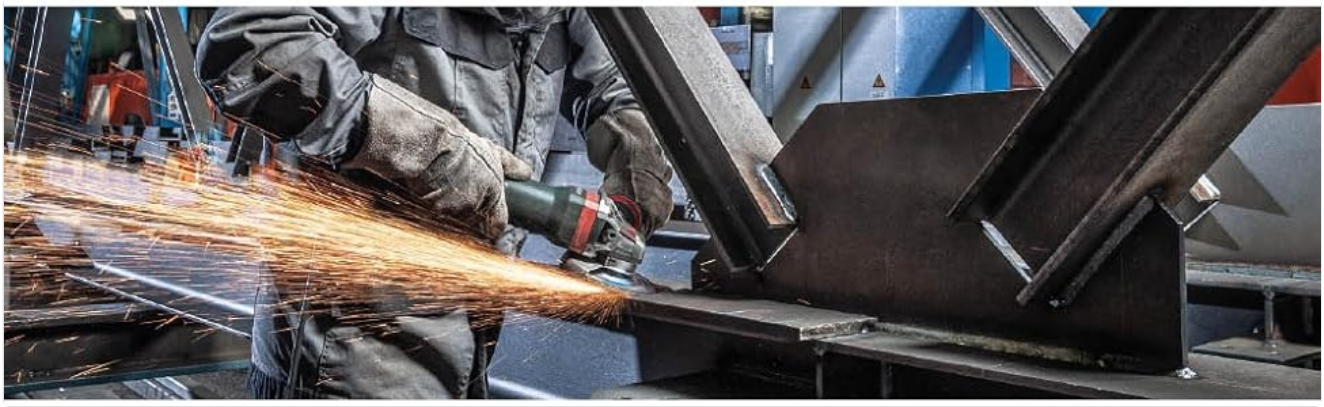

Figure 3: Garden irrigation setup. This diagram shows the pump drawing water from a well and supplying it to garden sprinklers for irrigation.

5. Maintenance

5.1 Regular Checks

Periodically check all connections for leaks. Ensure the suction line is free from blockages and the non-return valve is functioning correctly. Inspect the power cable for any signs of damage.

5.2 Cleaning

Clean the exterior of the pump with a damp cloth. Do not use harsh detergents or solvents. Ensure the motor's cooling fins are free from dust and debris to prevent overheating.

5.3 Winter Storage

If the pump is to be stored in an area where temperatures may drop below freezing, it is crucial to completely drain all water from the pump and connected lines. Use the tool-free water drain plug for this purpose. Store the pump in a dry, frost-free location.

6. Troubleshooting

Before contacting customer support, please refer to the following troubleshooting guide:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Pump does not start	No power supply; Overload protection activated; Motor fault	Check power connection and circuit breaker; Allow motor to cool down; Contact service technician
Pump runs but no water is delivered	Pump not primed; Suction line blocked or leaking; Water source empty	Prime the pump; Check suction line for leaks or blockages; Ensure water source has sufficient water
Low pressure or flow rate	Partial blockage in suction/pressure line; Air in the system; Worn pump components	Check lines for blockages; Re-prime the pump; Contact service technician for inspection
Pump switches on and off frequently	Leak in the system; Pressure tank pre-charge pressure incorrect; Non-return valve faulty	Check entire system for leaks; Adjust pressure tank pre-charge; Inspect/replace non-return valve

7. Technical Specifications

Specification	Value
Manufacturer	Metabo
Reference Number	600971000
Color	Green
Style	Domestic
Material	Metal
Power Source	Electric Cable
Voltage	240 Volts
Rated Input Power	1100 Watt
Quantity of Items	1
Number of Pieces	1
Maximum Flow Rate	4000 Liters per hour
Maximum Delivery Head	46 Meters
Included Components	METABO 600971000 - Domestic Water Pump HWW 4000/25 G 1100W max. pumping height 46 m
Batteries Included	No
Batteries Required	No

Specification	Value
Weight	17.2 Kilograms
Diameter	1 Picometer
Spare Parts Availability	1 Year
Product Dimensions (L x W x H)	62.6 x 52 x 28.78 cm
Item Model Number	600971000
Country of Origin	China

8. Warranty and Support

Metabo products are manufactured to high-quality standards and undergo strict quality control. This product comes with a standard manufacturer's warranty, typically covering defects in materials and workmanship for a period specified at the time of purchase. Please retain your proof of purchase for warranty claims.

For technical assistance, spare parts, or warranty service, please contact your authorized Metabo dealer or visit the official Metabo website for local service centers. When contacting support, please have your model number (HWW 4000/25 G) and serial number (if applicable) ready.

Online Support: Visit www.metabo.com

Customer Service: Refer to your product packaging or the Metabo website for regional contact information.