

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Ebara](#) /

› [EBARA AGA 0.75 M Self-Priming Pump User Manual](#)

**Ebara 1100090000**

# EBARA AGA 0.75 M Self-Priming Pump User Manual

Model: 1100090000

## 1. PRODUCT OVERVIEW

The EBARA AGA 0.75 M is a robust single-phase self-priming electric pump constructed from cast iron, designed for efficient clean water transfer. Its applications include domestic water pressure boosting, small-scale garden irrigation, vehicle washing, and general water movement tasks.



This image shows the EBARA AGA 0.75 M self-priming pump, featuring a blue cast iron body and an integrated electric motor with a black terminal box on top. The pump has visible inlet and outlet connections.

## 2. SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity. Follow these general guidelines:

- Placement:** Install the pump in a dry, well-ventilated area, protected from frost and direct sunlight. Ensure a stable, level surface to minimize vibration.
- Pipe Connections:** Connect the suction pipe to the pump's G1 suction port and the delivery pipe to the G1 delivery port. Ensure all connections are airtight to prevent air ingress, which can affect priming. Use appropriate sealants and fittings.
- Electrical Connection:** The pump operates on 230 V ± 10% 50 Hz single-phase power. Connect the pump to a suitable electrical supply according to local regulations. Ensure the circuit is protected by a permanent capacitor and an automatic reset thermal-amperometric protection device.
- Priming:** As a self-priming pump, it can draw water from a certain depth (up to 8m). Before initial startup, fill the pump body completely with clean water through the priming port until it overflows. This ensures the pump can establish suction.

### 3. OPERATING INSTRUCTIONS

Once installed and primed, the pump is ready for operation:

- Initial Start-up:** After priming, switch on the power supply. The pump should start drawing water and build pressure.
- Monitoring:** Observe the pump during operation. Listen for unusual noises and check for leaks. Ensure consistent water flow and pressure.
- Continuous Operation:** The pump is designed for continuous duty within its specified operating limits. Avoid running the pump dry, as this can cause damage to the mechanical seal.
- Shut-down:** To stop the pump, simply switch off the power supply.

### 4. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your pump:

- Regular Inspection:** Periodically check all connections for leaks and ensure the pump is securely mounted. Inspect the power cable for any damage.
- Cleaning:** Keep the pump exterior clean and free from debris. Ensure the motor's ventilation fins are not obstructed to prevent overheating.
- Winterization (if applicable):** In areas prone to freezing temperatures, drain the pump completely to prevent damage from ice expansion. Disconnect pipes and open drain plugs. Store the pump in a frost-free environment if possible.
- Mechanical Seal:** The mechanical seal is a wear part. If persistent leaks occur from the shaft area, the seal may need replacement by a qualified technician.

### 5. TROUBLESHOOTING

This section addresses common issues you might encounter:

Problem	Possible Cause	Solution
Pump does not start	No power supply; Motor overload protection tripped; Seized impeller	Check power connection and circuit breaker; Allow motor to cool and reset protection; Contact qualified technician.

Problem	Possible Cause	Solution
Pump runs but no water flow	Pump not primed; Air leak in suction line; Suction lift too high; Clogged suction filter	Re-prime the pump; Check all suction connections for leaks; Ensure suction depth is within 8m limit; Clean suction filter.
Low pressure or reduced flow	Partial air leak; Partially clogged impeller/pipes; Worn impeller or mechanical seal	Check suction line for small leaks; Inspect and clean impeller/pipes; Contact qualified technician for inspection.
Excessive noise or vibration	Cavitation (air in water); Loose mounting; Bearing wear	Ensure proper priming and no air leaks; Securely fasten pump; Contact qualified technician.

## 6. SPECIFICATIONS

Feature	Detail
Manufacturer	Ebara
Model Number	1100090000
Material	Cast Iron
Power Source	Corded Electric
Voltage	230 Volts (AC)
Maximum Operating Pressure	6 bar
Maximum Liquid Temperature	45 °C
Maximum Suction Depth	8 m
Suction Connection	G1
Delivery Connection	G1
Motor Efficiency	IE2 and IE3 (from 0.75 kW)
Insulation Class	F
Protection Degree	IP44
Package Dimensions	40.5 x 18.5 x 18 cm
Item Weight	12.5 kilograms
Batteries Included	No
Batteries Required	No
Spare Parts Availability	Information unavailable

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your authorized Ebara dealer. Information regarding spare parts availability is currently not provided in the product specifications.

© 2023 Ebara. All rights reserved.

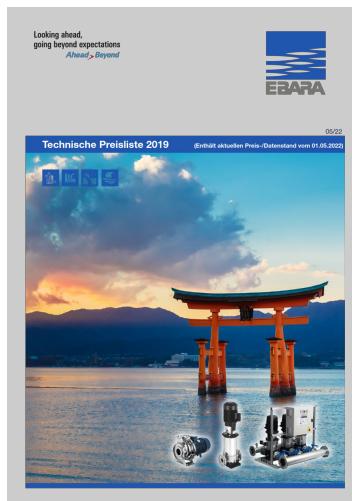
This manual is for informational purposes only. Specifications are subject to change without notice.

## Related Documents - 1100090000

	<p><a href="#"><u>EBARA JE(S)(X), AG(..) Surface Pumps - Operating and Maintenance Manual</u></a></p> <p>Comprehensive operating and maintenance manual for EBARA JE(S)(X), AG(..) series surface pumps. Includes technical specifications, installation guidelines, usage instructions, and safety precautions.</p>
	<p><a href="#"><u>EP BASIC 1-2 Electronic Control Panel for Single or Three-Phase Pumps</u></a></p> <p>The EP BASIC 1-2 is an electronic control panel designed for managing one or two single-phase or three-phase pumps. It offers features like dry-running protection, thermal overload protection, and alarm signaling, suitable for clean water and wastewater systems. The panel is compact, easy to install and program, and available with various accessories and special configurations.</p>
	<p><a href="#"><u>EP BASIC 1-2 Electronic Control Panel for 1 or 2 Single-Phase or Three-Phase Pumps</u></a></p> <p>The EP BASIC 1-2 is an electronic control panel designed for managing one or two single-phase or three-phase pumps. It offers features like anti-seizing, dry-run protection, and overload protection, with options for remote control and advanced accessories. Suitable for clean and wastewater applications.</p>
	<p><a href="#"><u>EBARA CDA Series Centrifugal Pumps - Technical Specifications and Performance Data</u></a></p> <p>Comprehensive technical data, performance curves, dimensions, and motor specifications for EBARA CDA series centrifugal pumps (50Hz). Includes detailed information on materials, mechanical seals, bearings, and packing for various models.</p>

 <p>EP BASIC 1-2 ELECTRONIC CONTROL PANEL FOR 1 OR 2 SINGLE-PHASE OR THREE-PHASE PUMPS MADE IN ITALY</p>	<p><a href="#">EP BASIC 1-2 Electronic Control Panel for Pumps</a></p> <p>EP BASIC 1-2 is an electronic control panel designed for 1 or 2 single-phase or three-phase pumps. It offers features like anti-seizure, maximum control, and easy installation, making it suitable for clean water and wastewater systems. The panel includes various protections and optional accessories for enhanced functionality.</p>
 <p>Looking ahead going beyond expectations Ahead &gt; Beyond</p> <p>EBARA</p> <p>EVMS 1-90 Vertical Multistage Pumps Product Catalogue</p>	<p><a href="#">EBARA EVMS 1-90 Vertical Multistage Pumps Product Catalogue</a></p> <p>Comprehensive product catalogue for EBARA EVMS 1-90 vertical multistage pumps, detailing features, applications, performance ranges, construction, and global sales network. Learn about innovative hydraulic solutions, reliability, and technical specifications.</p>

Documents - Ebara – 1100090000



[\[pdf\]](#)

ebara elwa pumpen de assets |||

Technische Preisliste 2019 05/22 Enthält aktuellen Preis-/Datenstand vom 01.05.2022

EBARA Pumps ... ende, einstufige Kreiselpumpen aus Grauguss Wechselstrom 1-

230V Modell Artikel-Nr. AGA 0.75 M **1100090000** AGA 1.00 M 1100100000 AGA/B

1.50 M 1110150000B AGA/A 2.00 M 1110200000A AGC/B 1.50 M...

lang:de score:17 filesize: 42.53 M page\_count: 439 document date: 2022-04-28



[\[pdf\]](#) User Manual

tabela preços EBARA 2022 abril hidraulicart pt |||

TABELA DE PREOS 2022 www.ebara.pt SIMBOLOGIA para Campos de aplicao

INDSTRIA LIGEIRA OEM A ... otal m AGA/A 0.60 M 1100060000A 0,44 0,6 41,5 33,4

27,1 22 - - - 3,1 G1 G1 12,0 AGA 0.75 M **1100090000** 0,55 0,75 47 42,8 37,9 32

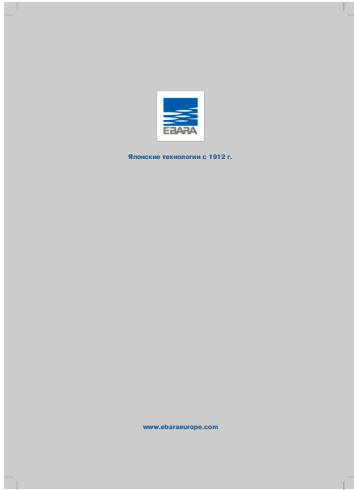
18 - - - 4 G1 G1 12,5 AGA 1.00 M 1100100000 0,75 1 50 45 4...

lang:pt score:16 filesize: 22.52 M page\_count: 364 document date: 2022-04-05



### [pdf] User Manual

TARIFA EBARA 2023 PORT DEF 1<sup>a</sup>parte indd ebarapumpsiberia Tabela s hidraulicart pt |||  
TABELA DE PREOS 2023 www.ebara.pt SIMBOLOGIA para Campos de aplicao  
INDSTRIA LIGEIRA OEM A ... otal m AGA/A 0.60 M 1100060000A 0,44 0,6 41,5 33,4  
27,1 22 - - - 3,1 G1 G1 12,0 AGA 0.75 M **1100090000** 0,55 0,75 47 42,8 37,9 32  
18 - - - 4 G1 G1 12,5 AGA 1.00 M 1100100000 0,75 1 50 45 4...  
lang:pt score:16 filesize: 18.95 M page\_count: 364 document date: 2023-01-04



### [pdf] Catalog

ebaraeurope Японские технологии с 1912 г general catalog 2019 ru hd hotland uz f |||  
1912 . www.ebaraeurope.com 1912 . , www.ebaraeurope.com , Kensaku ... 1.00 M  
AGA 1.00 M GO AGA/B 1.50 M AGA/A 2.00 M AGC/B 1.50 M AGC/A 2.00 M  
1100060000A 1100060100A **1100090000** 1100090100 1100100000 1100100100  
1110150000B 1110200000A 1120150000B 1120200000A .. Q...  
lang:i-klingon score:10 filesize: 61.69 M page\_count: 466 document date: 2020-02-17