

Empava 24-Inch Built-in Dishwasher BDW50 User Manual

Model: BDW50

1. INTRODUCTION

Thank you for choosing the Empava 24-Inch Built-in Dishwasher, Model BDW50. This manual provides essential information for the safe installation, operation, and maintenance of your new appliance. Please read these instructions thoroughly before using the dishwasher and retain them for future reference.

The Empava BDW50 dishwasher is designed for residential use, offering efficient cleaning with 15 place settings, 8 wash cycles, and an ultra-quiet 49 dB operation. Its stainless steel tub and auto door dry feature ensure optimal performance and convenience.

2. SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury when using your dishwasher, follow these basic precautions:

- Read all instructions before using the appliance.
- This appliance must be grounded. Connect only to a properly grounded outlet.
- Do not operate the dishwasher if it is damaged, malfunctioning, or has missing or broken parts.
- Keep children away from the dishwasher, especially when the door is open.
- Use only detergents and rinse agents recommended for automatic dishwashers.
- Load sharp items so they are not likely to damage the door seal or tub.
- Do not touch the heating element during or immediately after use.
- Always disconnect the appliance from the power supply before cleaning or performing maintenance.

3. INSTALLATION AND SETUP

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

3.1 Unpacking

Carefully remove all packaging materials. Inspect the dishwasher for any shipping damage. Report any damage to your dealer immediately.

3.2 Dimensions and Cut-Out Requirements

Ensure your cabinet opening meets the required dimensions for a proper fit.

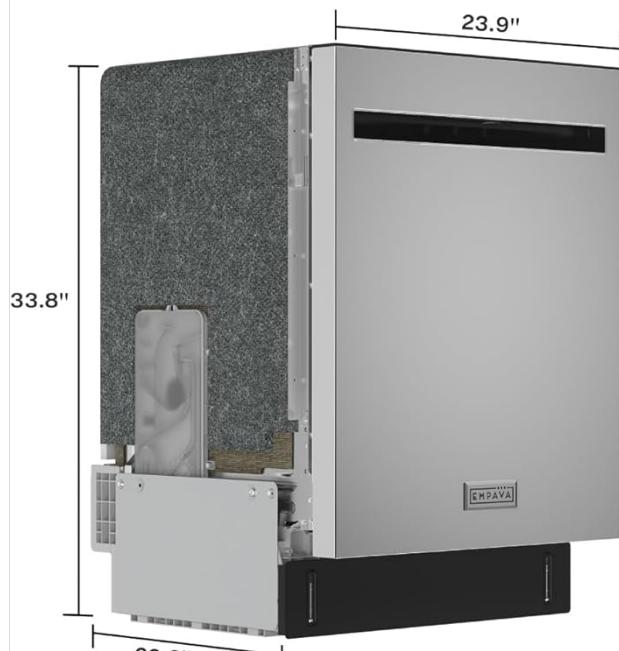
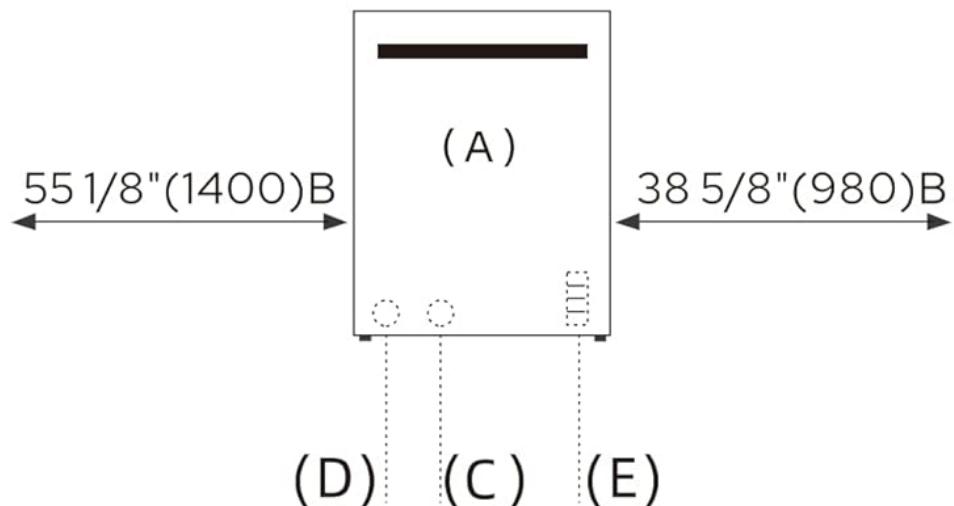
EMP AVA	Built-in Dishwasher
EMPV-24BDW50	
PRODUCT size	
Item Size (inches)	23.9" x 22.6" x 33.8"
	
DIMENSIONS	
Outlet hose length	1500mm
N/W lbs	74.8
G/W lbs	90.2
Package Dimension (in)	28.75" x 25.9" x 35"
FEATURES	
Type	Fully integrated
Color of machine	Stainless steel
Capacity (place settings)	15
Energy Consumption (KWH)	220
Water Consumption (gal/cycle)	3.2
Energy Efficiency	Energy Star
Noise Level	49dB
Delay Start	1-24 Hour
Options Cycles	8
Child Lock	Yes
Sanitize	Yes
Hi temp	Yes
Half Load	Yes
Tub material	Stainless steel
Exterior door stainless steel	SUS430
Type of control	Top Electronic Control
Power Rating	1200W
Filter type	Removable system
Filter material	Plastic+stainless steel
Color of basket(white/grey)	Grey
Spray arms	Top&Upper & Lower
Drying system	Auto open dry
Voltage / (V)	120V
Frequency (Hz)	60Hz

Figure 3.2.1: Dishwasher dimensions and recommended cabinet cut-out. The appliance measures 22.6"D x 23.8"W x 33.8"H. The cut-out should be 33 7/8" to 35" H x 23 7/8" to 24" W x 24" D.

3.3 Connections

All connections (drain, inlet, electrical) are located at the rear of the appliance. Ensure proper access and secure connections.

Measurements in inches(mm)



All connections are at the rear of the appliance. Extension for drain hose available as accessory.

Junction Box for hard wired connection available as accessory.

A: Front view

B: Drain hose

C: Inlet

D: Drain

E: Electrical

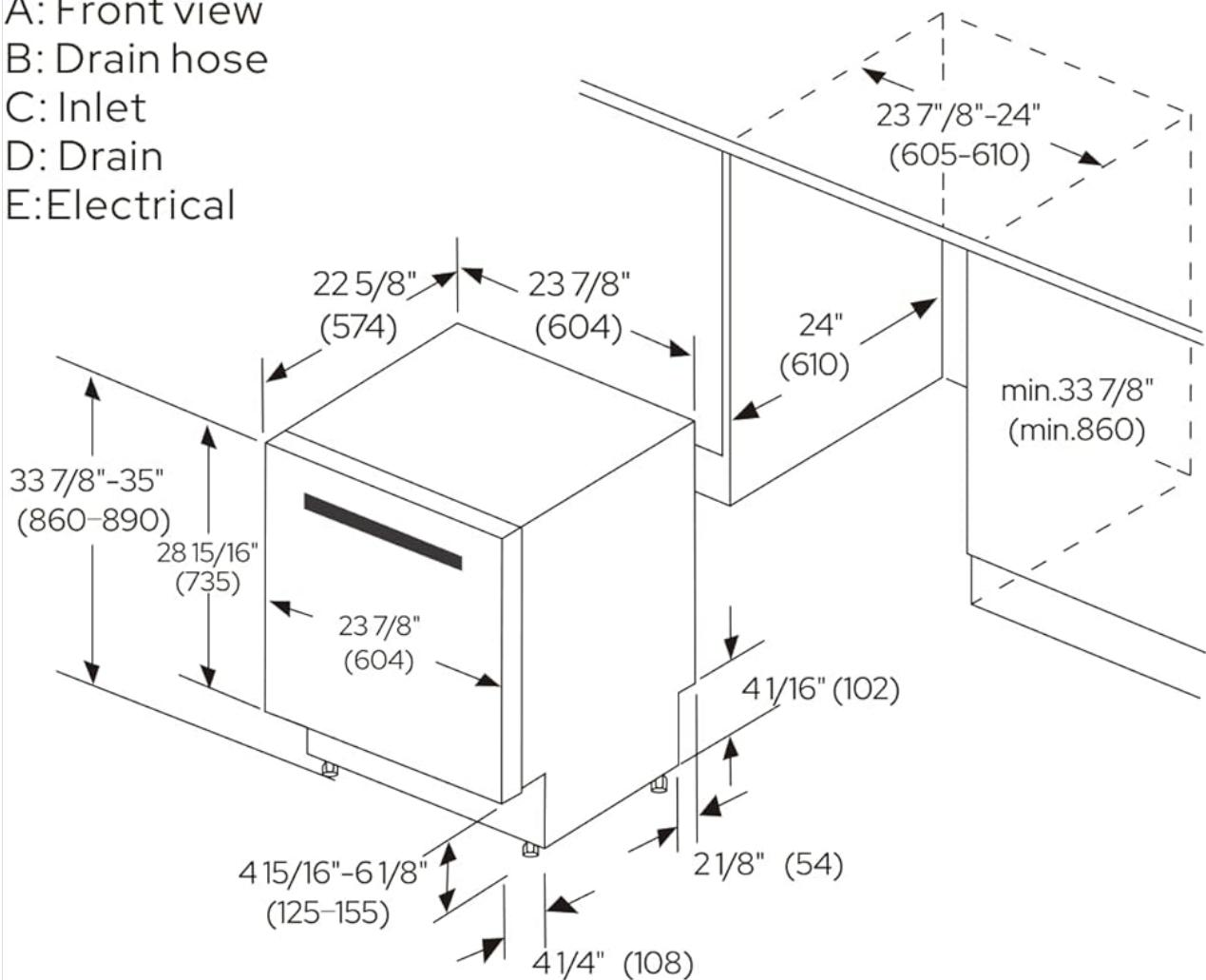


Figure 3.3.1: Rear view of the dishwasher showing connection points for drain hose (B), inlet (C), and electrical (E). A junction box for hardwired connection is available as an accessory.

3.3.1 Electrical Connection

The dishwasher requires a 120V, 60Hz, dedicated electrical supply. Ensure the circuit is properly grounded.

3.3.2 Water Supply Connection

Connect the dishwasher to a hot water supply line with a minimum temperature of 120°F (49°C) and a maximum of 149°F (65°C).

3.3.3 Drain Connection

Connect the drain hose to the household drain system. Ensure the drain hose is properly secured to prevent leaks.

3.4 Included Components for Installation

The following components are included to assist with installation:

- Drain Hose, Hose Clamp
- Mounting Brackets, Screws
- Door Correction Cover
- Steam Proof Film

4. OPERATING INSTRUCTIONS

Familiarize yourself with the control panel and basic operation before first use.

4.1 Control Panel Overview

The dishwasher features a hidden top control panel for a sleek, integrated look.



Figure 4.1.1: Top-mounted control panel with various cycle and option buttons, and a digital display.

4.2 Basic Operation Steps

1. **Load the Dishwasher:** Refer to Section 5 for proper loading techniques.
2. **Add Detergent and Rinse Aid:** Fill the detergent dispenser and rinse aid dispenser.
3. **Select a Wash Cycle:** Press the desired cycle button (e.g., Auto, Heavy, Normal).
4. **Select Options (Optional):** Choose additional options like Half Load or High Temp.
5. **Start the Cycle:** Close the dishwasher door firmly. The cycle will begin.
6. **Auto Door Dry:** At the end of the cycle, the door will automatically open to facilitate drying.

5. LOADING THE DISHWASHER

Proper loading ensures optimal cleaning performance and prevents damage to dishes. The Empava BDW50 offers 15 place settings and three racks for flexible loading.

5.1 Third Rack (Utensils)

The third rack is ideal for cutlery, small utensils, and espresso cups.

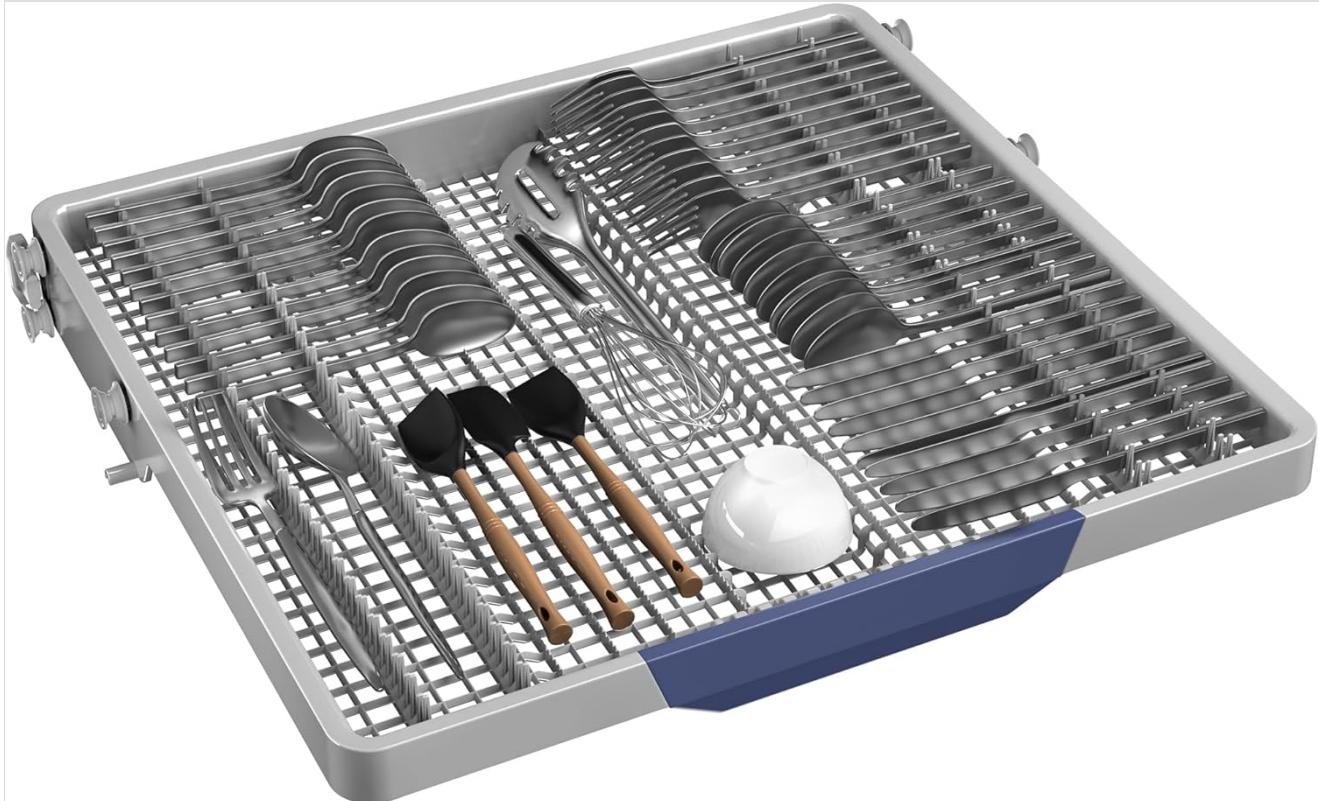


Figure 5.1.1: The third rack designed for organizing cutlery and small items, ensuring thorough cleaning.

5.2 Upper Rack

The upper rack is suitable for glasses, cups, small bowls, and plates. Ensure items do not block the spray arms.

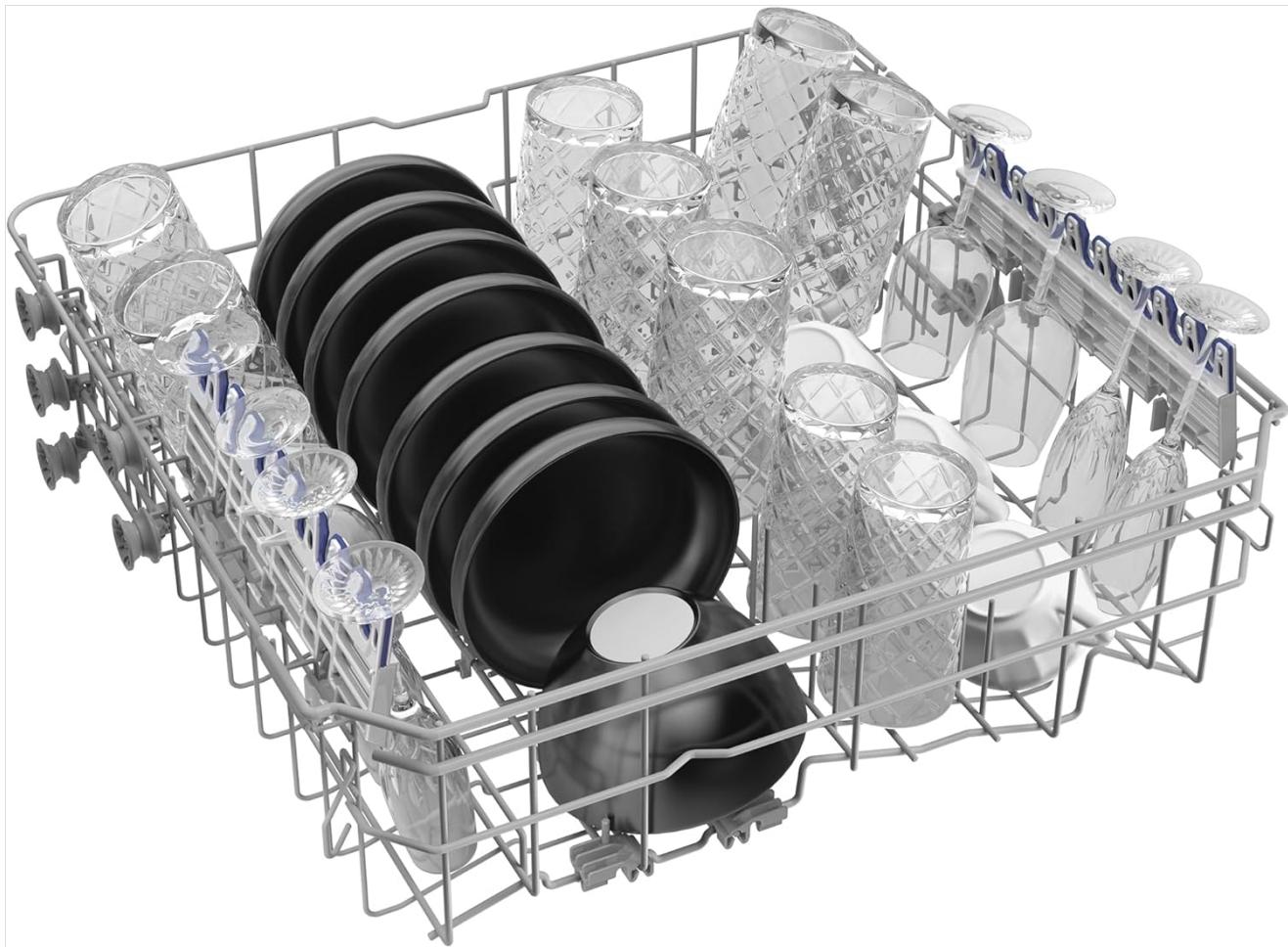


Figure 5.2.1: The upper rack, shown loaded with various glassware and smaller plates, demonstrating efficient space utilization.

5.3 Lower Rack

The lower rack is designed for larger items such as dinner plates, serving dishes, pots, and pans.



Figure 5.3.1: The lower rack, configured to hold larger items like pots, pans, and dinner plates.

6. WASH CYCLES AND OPTIONS

The Empava BDW50 offers 8 wash cycles and 6 custom options to accommodate various dishwashing needs.

6.1 Available Wash Cycles

- **Auto:** Automatically detects soil level and adjusts wash time and temperature.
- **Heavy:** For heavily soiled dishes, pots, and pans.
- **ECO:** Energy-efficient cycle for normally soiled dishes.
- **Normal:** Standard cycle for everyday dishes.
- **Delicate:** Gentle wash for fragile items.
- **Lightning:** Quick wash for lightly soiled dishes.
- **Glass:** Specialized cycle for glassware.
- **Rinse:** For rinsing dishes that will be washed later.

6.2 Custom Options

- **Delay:** Postpones the start of the wash cycle.

- **Sanitize:** Uses high temperature to sanitize dishes.
- **High Temp:** Increases wash temperature for improved cleaning.
- **Half Load:** Reduces water and energy consumption for smaller loads.
- **Child Lock:** Locks the control panel to prevent accidental operation.
- **Auto Program:** Automatically selects the best wash program.

7. MAINTENANCE AND CARE

Regular maintenance helps ensure the longevity and optimal performance of your dishwasher.

7.1 Cleaning the Exterior

Wipe the exterior surfaces with a soft, damp cloth. For stainless steel, use a specialized stainless steel cleaner to prevent streaks and fingerprints.

7.2 Cleaning the Interior

Periodically clean the interior of the dishwasher. You can run an empty cycle with a dishwasher cleaner or a cup of white vinegar placed in the bottom rack.

7.3 Filter Maintenance

The dishwasher features a removable filter system. Regularly check and clean the filter to prevent food particles from recirculating and affecting wash performance. Refer to the detailed instructions in the full user manual for filter removal and cleaning.

8. TROUBLESHOOTING

Before contacting customer service, review the following common issues and their solutions:

Problem	Possible Cause	Solution
Dishwasher does not start	Power supply issue, door not closed properly, cycle not selected.	Check power connection, ensure door is latched, select a wash cycle.
Dishes are not clean	Improper loading, clogged filter, insufficient detergent, blocked spray arms.	Reload dishes correctly, clean filter, use recommended detergent, ensure spray arms rotate freely.
Water not draining	Clogged drain hose or filter, air gap issue.	Check and clear drain hose/filter, inspect air gap if applicable.
Dishwasher is noisy	Improper loading, foreign object in pump, installation issue.	Ensure dishes are not rattling, check for foreign objects, verify proper installation.

9. SPECIFICATIONS

Detailed technical specifications for the Empava BDW50 Dishwasher.

Feature	Specification
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Feature	Specification
Model	BDW50
Installation Type	Built-In
Product Dimensions (D x W x H)	22.6" x 23.8" x 33.8"
Capacity	15 Place Settings
Noise Level	49 dB
Wash Cycles	8 (Auto, Heavy, ECO, Normal, Delicate, Lightning, Glass, Rinse)
Special Features	Adjustable Basket, Auto Program, Half Load, Low Water Usage, Quick Wash, Auto Door Dry
Material	Stainless Steel Tub
Controls Type	Touch (Top Control)
Voltage	120 Volts
Energy Consumption	220 Kilowatt Hours Per Year (Estimated)
Energy Efficiency	ENERGY STAR 7.0 Certified
Water Consumption	3.2 Gallons Per Load
Item Weight	75 Pounds

The Empava BDW50 is ENERGY STAR certified, indicating high energy efficiency.



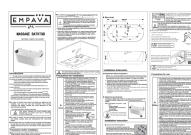
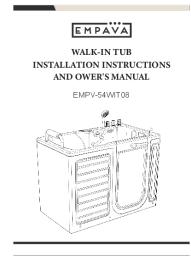
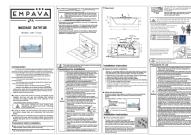
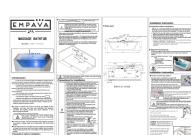
Figure 9.1.1: ENERGY STAR certification logo and Energy Guide label, highlighting the dishwasher's energy efficiency and estimated yearly energy cost.

10. WARRANTY AND SUPPORT

For warranty information or technical assistance, please contact Empava customer support. Details regarding your product's warranty coverage can typically be found on the manufacturer's website or in the warranty card included with your purchase.

For customer support, please visit the official Empava website or refer to the contact information provided in your purchase documentation.

Related Documents - BDW50

	<p>Empava EMPV-24BDW50 Dishwasher Installation Manual</p> <p>Comprehensive installation guide for the Empava EMPV-24BDW50 dishwasher, covering safety instructions, parts provided, specifications, and step-by-step installation procedures.</p>
	<p>Empava EMPV-59AIS11 Massage Bathtub: Installation, Operation & Maintenance Guide</p> <p>Learn how to install, operate, and maintain your Empava EMPV-59AIS11 Massage Bathtub with this comprehensive guide. Includes troubleshooting tips and warranty details.</p>
	<p>Empava EMPV-67AIS07 SPA Massage Bathtub: Installation, Care, and Troubleshooting Guide</p> <p>Comprehensive guide for the Empava EMPV-67AIS07 SPA Massage Bathtub, covering installation, electrical and water hookups, maintenance, troubleshooting, and warranty information.</p>
	<p>Empava EMPV-54WIT08 Walk-In Tub: Installation Instructions and Owner's Manual</p> <p>Comprehensive installation guide and owner's manual for the Empava EMPV-54WIT08 walk-in bathtub. Covers preparation, installation steps, operational use, maintenance, and troubleshooting.</p>
	<p>Empava EMPV-71JT408 Massage Bathtub User Manual & Installation Guide</p> <p>Comprehensive guide for the Empava EMPV-71JT408 massage bathtub, covering installation, operation, care, troubleshooting, and warranty information.</p>
	<p>Empava EMPV-67JT408 Massage Bathtub: Installation, Care, and Warranty Guide</p> <p>Comprehensive guide for the Empava EMPV-67JT408 massage bathtub, detailing installation, electrical requirements, care, maintenance, troubleshooting, and warranty information for this home appliance.</p>