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› [ANZZI Envo Electric Tankless Water Heater 18 kW \(WH-AZ018-M3\) Instruction Manual](#)

## ANZZI WH-AZ018-M3

# ANZZI Envo Electric Tankless Water Heater 18 kW

MODEL: WH-AZ018-M3 INSTRUCTION MANUAL

## Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your ANZZI Envo Electric Tankless Water Heater, Model WH-AZ018-M3. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The ANZZI Envo tankless water heater is designed to provide continuous hot water on demand, offering a compact and efficient solution for various applications.

## Key Features

- **Space-Saving Design:** No tank required, allowing for installation in compact areas such as cabinets and closets.
- **Water/Electric Separation:** Advanced design ensures the flowing water and electrical system are isolated for enhanced safety.
- **LED Display:** Features an intuitive LED display for easy temperature monitoring and adjustment.
- **On-Demand Hot Water:** Provides instant and continuous hot water without the need for a storage tank.

## Setup and Installation

Professional installation is highly recommended for this electric tankless water heater to ensure compliance with local electrical and plumbing codes and for safe operation.

## Electrical Requirements

The ANZZI Envo 18 kW model requires specific electrical infrastructure. Ensure your electrical panel can support these requirements before installation.

- **Voltage:** 240 Volts
- **Wattage:** 18000 Watts
- **Maximum Current Draw:** 75 Amps
- **Recommended Breaker:** 2 x 40 AMP Double Pole Breakers
- **Required Wire Gauge:** 2x8 AWG



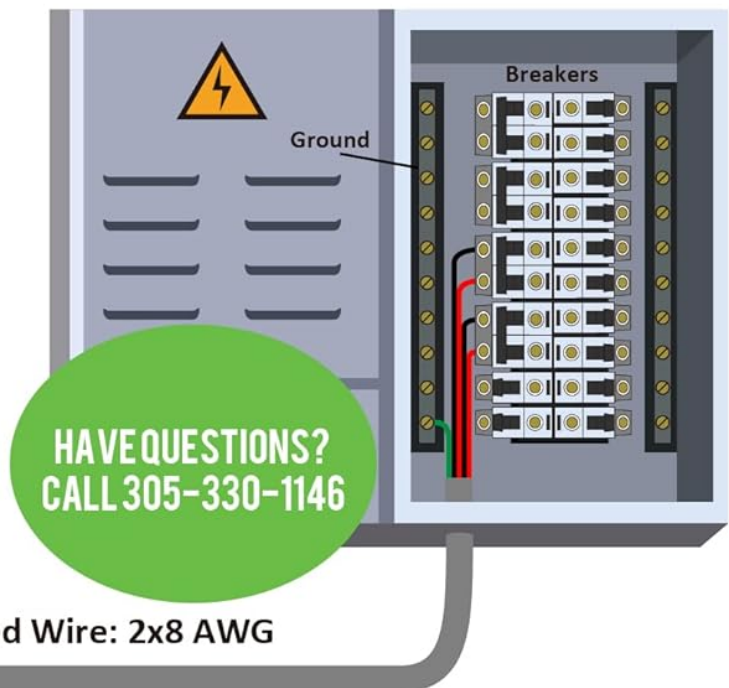
# ELECTRICAL REQUIREMENTS

## ENVO Atami 18 kW Electric Tankless Water Heater

**WH-AZ018-M3**  
18 kW | 240 V



**200 Amps or more required**



**Required Wire: 2x8 AWG**

- **75 AMP Max Draw**
- **2 X 40 AMP Double Pole Breaker Required**

In order to install a ENVO Atami 18 kW you must have enough room in your breaker panel to dedicate two 40 AMP double pole breakers solely to the unit.

Model	Kilowatts (KW)	Voltage (V)	Rated Current (A)	Recommended Breaker (A)	Required Wire (AWG)	Dimensions (D×H×W)	Weight (LB)
WH-AZ018-M3	18	240	75	2x40 DOUBLE - POLE	2x8	3.54" x 15.16" x 10.24"	12.28

Professional installation recommended. Please consult an electrician prior to purchase. WH-AZ018-M3 recommended use for hand sink, kitchen sink and shower.

Figure 1: Electrical Requirements for ANZZI ENVO 18 kW. This diagram illustrates the necessary electrical connections, including two 40 AMP double pole breakers and 2x8 AWG wiring, requiring a 200 Amp or more main panel.

For questions regarding electrical setup, contact ANZZI support at 305-330-1146.

Sizing and Capacity

The performance of a tankless water heater depends on the incoming water temperature and the desired flow rate. Refer to the chart below to determine the appropriate unit capacity for your local climate and usage needs.



Figure 2: Sizing Chart and Capacity Guide. This image displays a map indicating general temperature areas and a table detailing the approximate usage (GPM) for various ANZZI Envo models at different inlet water temperatures, assuming an outlet temperature of 105°F.

Physical Placement

The compact design of the ANZZI Envo allows for flexible installation in various locations, including under sinks, in cabinets, or utility areas. Ensure adequate clearance for maintenance and proper ventilation.



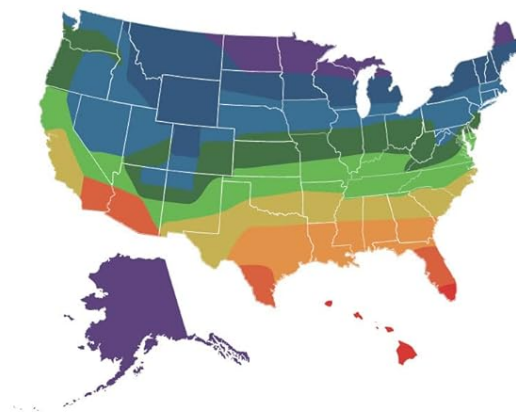
Figure 3: Bathroom Installation Example. The ANZZI Envo unit is shown discreetly installed within a bathroom vanity, supplying hot water to the faucet and shower.



- 1 Choose ENVO tankless water heater based on your local climate. Refer to this chart to find out the best model for you.

37°F	42°F	47°F
52°F	57°F	62°F
67°F	72°F	77°F

Map shows general temperature areas, actual temperature may be affected by local variations and seasonal changes.



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- 2 Match your location on above map and refer to below chart to determine unit capacity.

Flow required for fixtures:

Hand Sink 0.5 ~ 1.0 GPM

Kitchen Sink 1.0 ~ 2.0 GPM

Shower Head 1.5 ~ 2.0 GPM

Bathtub 4.0 ~ 5.0 GPM



Represents a hand sink faucet working on flow of 0.5 GPM



Represents a water saving shower head working on flow of 1.5 GPM

Below data based on outlet temperature of 105°F and indicated fixtures working simultaneously.

#### Inlet Temp: 37 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	1.8	
WH-AZ021-M3	2.2	
WH-AZ024-M3	2.4	
WH-AZ027-M3	2.6	

#### Inlet Temp: 42 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	2.0	
WH-AZ021-M3	2.3	
WH-AZ024-M3	2.6	
WH-AZ027-M3	2.8	

#### Inlet Temp: 47 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	2.2	
WH-AZ021-M3	2.5	
WH-AZ024-M3	2.8	
WH-AZ027-M3	3.0	

#### Inlet Temp: 52 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	2.4	
WH-AZ021-M3	2.7	
WH-AZ024-M3	3.0	
WH-AZ027-M3	3.3	

#### Inlet Temp: 57 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	2.6	
WH-AZ021-M3	3.0	
WH-AZ024-M3	3.5	
WH-AZ027-M3	3.8	

#### Inlet Temp: 62 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	3.0	
WH-AZ021-M3	3.5	
WH-AZ024-M3	4.0	
WH-AZ027-M3	4.3	

#### Inlet Temp: 67 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	3.5	
WH-AZ021-M3	4.0	
WH-AZ024-M3	4.5	
WH-AZ027-M3	4.9	

#### Inlet Temp: 72 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	4.0	
WH-AZ021-M3	4.5	
WH-AZ024-M3	5.0	
WH-AZ027-M3	5.5	

#### Inlet Temp: 77 °F

Model	GPM	Approx. Usage
WH-AZ018-M3	4.5	
WH-AZ021-M3	5.0	
WH-AZ024-M3	5.5	
WH-AZ027-M3	6.0	

Figure 4: Utility Space Installation Example. This image demonstrates the ANZZI Envo unit installed in a garage, connected to plumbing that serves both a kitchen and an upstairs bathroom.

## Operating Instructions

The ANZZI Envo features a user-friendly interface for setting and monitoring water temperature.

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TEMP.SET

105



105°F

888





Figure 5: Control Panel and Display. The LED display shows the set temperature (e.g., 105°F) and the current output water temperature. Up and down arrows allow for temperature adjustment, and power buttons control the unit.

1. **Power On/Off:** Press the power button to turn the unit on or off.
2. **Set Temperature:** Use the up and down arrow buttons on the display to adjust your desired water temperature. The maximum temperature is 125°F.
3. **Monitor Temperature:** The LED display will show both the set temperature and the actual output water temperature.
4. **Continuous Hot Water:** Once activated, the unit will provide continuous hot water at the set temperature, as long as the flow rate is within its capacity.

**Note on Multiple Fixtures:** While designed for continuous hot water, simultaneous use of multiple high-flow fixtures (e.g., two showers and a washing machine) may temporarily reduce the output temperature, especially in colder climates. Adjusting the flow rate at the fixture can help maintain desired temperatures.



Figure 6: Internal Heating Mechanism. Cold water enters the unit, passes through powerful heating elements, and exits as hot water, providing instant and continuous supply.

# INSTANT *HOT WATER* ON DEMAND.

Figure 7: Instant Hot Water Delivery. The ANZZI Envo provides immediate hot water for showers and other fixtures.

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Video 1: ANZZI Envo Tankless Electric Water Heater Overview. This video demonstrates the compact size, easy installation, and continuous hot water delivery of the ANZZI Envo tankless water heater, highlighting its space-saving benefits and efficient heating technology.

## Maintenance

Regular maintenance ensures the longevity and efficient operation of your tankless water heater. It is recommended to have the unit inspected annually by a qualified professional.

- **Descaling:** Depending on your water hardness, periodic descaling may be necessary to remove mineral buildup from the heating elements. Consult a professional for this service.
- **Inspect Connections:** Regularly check all water and electrical connections for any signs of leaks or wear.
- **Clean Exterior:** Keep the exterior of the unit clean and free from dust and debris.



## Troubleshooting

If you experience issues with your ANZZI Envo water heater, consider the following common troubleshooting steps:

- **No Hot Water:**
  - Check if the unit is powered on and the circuit breakers are not tripped.
  - Ensure sufficient water flow to activate the heating elements.
  - Verify the set temperature on the LED display.
- **Insufficient Hot Water Temperature:**
  - Increase the set temperature on the unit.
  - Reduce the water flow rate at the faucet or shower.
  - Ensure the unit's capacity matches your demand, especially during simultaneous use of multiple fixtures.
  - Consider the incoming water temperature, which can affect performance.
- **Error Codes:** Refer to the specific error code displayed on the LED screen and consult the full product manual (if available) or contact customer support.

For persistent issues, contact ANZZI customer support.

## Specifications

Feature	Detail
Brand	ANZZI
Model Number	WH-AZ018-M3
Product Dimensions	10.24"W x 15.16"H
Special Feature	LED Display
Color	Green
Wattage	18000 watts
Voltage	240 Volts
Maximum Temperature	125 Degrees Fahrenheit
Heat Output	18000 Watts
Efficiency	High
Mounting Type	Wall
Is Electric	Yes
Manufacturer	SW CORP
Item Weight	16.15 pounds
UPC	191042063402
Certification	ETL

# ENVO

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TEMP.SET

105



105°F

888



Figure 8: Product Dimensions. The ANZZI Envo unit measures approximately 10.2 inches in width and 15.1 inches in height.



Figure 9: Space-Saving Comparison. The ANZZI Envo tankless water heater occupies over 90% less volume compared to a standard tank water heater.

## Warranty and Support

The ANZZI Envo Electric Tankless Water Heater comes with a **Limited Lifetime Warranty**, reflecting the manufacturer's confidence in product quality and durability.

For warranty claims, technical assistance, or any product-related inquiries, please contact ANZZI customer support.

**Customer Support Phone:** 305-330-1146

Please have your model number (WH-AZ018-M3) and purchase information ready when contacting support.





## Related Documents - WH-AZ018-M3



ENVO by ANZZI Electric Instant Water Heater Installation and Operation Manual

Comprehensive installation, operation, safety, and troubleshooting guide for ENVO by ANZZI electric instant water heaters, covering models WH-AZ011-M3 through WH-AZ027-M3. Includes product specifications, installation steps, and maintenance advice.



ANZZI ENVO Electric Instant Water Heater Installation & Operation Manual

This manual provides detailed instructions for the installation, operation, safety, and maintenance of the ANZZI ENVO electric instant water heater, models WH-AZ035-M1 and WH-AZ006-M1. It includes product specifications, troubleshooting tips, and important safety precautions.



ENVO by ANZZI Electric Bidet Seat Install & Operation Manual

This manual provides comprehensive installation, operation, and maintenance guidance for the ENVO by ANZZI Electric Bidet Seat, covering safety, setup, usage, and troubleshooting.



[ANZZI FT-AZ067 Jericho Air Jetted Freestanding Bathtub Install & Operation Manual](#)

Comprehensive installation and operation manual for the ANZZI FT-AZ067 Jericho Air Jetted Freestanding Bathtub with Chroma-Lights. Includes safety instructions, unpacking, installation steps, electrical requirements, and operating guide.



[ANZZI FT-AZ114-59 Freestanding Bathtub Installation and Operation Manual](#)

Comprehensive installation and operation manual for the ANZZI FT-AZ114-59 Freestanding Bathtub, detailing product registration, safety guidelines, installation steps, spare parts, tools required, and cleaning and maintenance instructions.



## ANZZI Aura Smart Bidet Installation Manual

Installation manual for the ANZZI Aura White Smart Bidet, featuring dimensions, rough-in size, and compliance information.

