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FOGATTI 27kW

Fogatti 27kW Electric Tankless Water Heater User Manual

Model: 27kW

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Fogatti 27kW Electric Tankless Water Heater. Please read all instructions carefully before installation and use.

Product Overview

The Fogatti 27kW Electric Tankless Water Heater is designed to provide instant and continuous hot water for residential use. It features a compact, wall-mounted design, high energy efficiency, and precise temperature control.

Advanced Instant Heating System

Heat in a Flash, Comfort in Every Splash

Instant Endless Hot Water

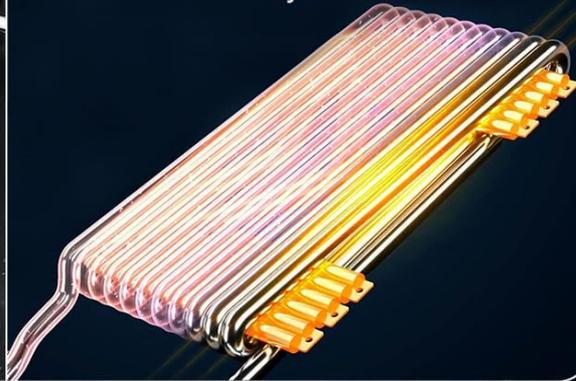
Heats up in 3 Seconds

Max 6.7 GPM
Flow Rate



High Efficient Heating Unit

>98% Thermal Efficiency



86-140°F Wide Temp Range

Adapt to seasonal hot water demands



±1°F Precise Temp Control

Sensitive
Computer Chip



Water Flow Sensor

Steady Temperature

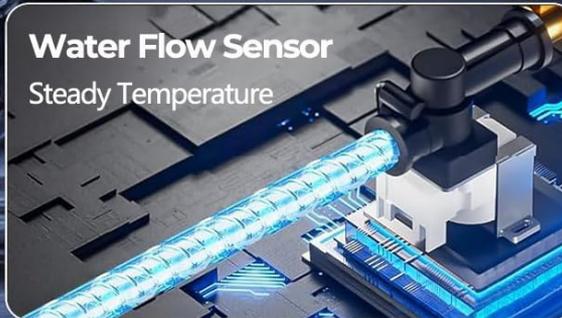


Image: Advanced Instant Heating System features, including shower, heating unit, controls, and water flow sensor.

Key Features

- **Instant Hot Water:** Provides hot water on demand with a flow rate up to 6.7 GPM.
- **Energy Efficiency:** Achieves 98% energy efficiency for reduced energy consumption.
- **Precise Temperature Control:** Digital interface allows temperature settings from 86°F to 140°F in 1°F increments.
- **Compact Design:** Dimensions of 17.1" x 12.9" x 3.9" for flexible installation in small spaces.
- **Safety Features:** ETL certified with overheat protection, leak detection technology, and water-electric isolation.

Your browser does not support the video tag.

Video: Overview of the Fogatti Electric Tankless Water Heater, demonstrating instant heating, temperature control, and safety features.

2. SAFETY INFORMATION

Your safety is paramount. This water heater is ETL certified and incorporates multiple safety mechanisms. Adhere to all local electrical and plumbing codes during installation and operation.

Integrated Safety Features

- Overheat Protection
- Dry Burn Prevention
- Anti-scale Design Heating Chamber
- IPX4 Waterproof Protection
- Leakage Protection
- Lightning-resistant Control Component



Image: ETL Certification details and icons representing six safety features: Water & Electricity Isolation, Anti Parched Protection, IPX4 Waterproof Protection, Overheat Protection, Anti Leakage Protection, and Automatic Fault Detection.

3. SETUP AND INSTALLATION

Professional installation is recommended. Ensure all electrical and plumbing connections comply with local codes and regulations.

Electrical Requirements

The Fogatti 27kW 240V electric tankless water heater requires a maximum draw of 113 Amps. It necessitates 3 x 40 AMP circuit breakers and 3 x (8AWG/2) wires. Ensure your electrical panel can accommodate these requirements.

Pay Attention to Specs and Electrical Infrastructure is Very Important.

We would like to remind you to read the user manual before installing to avoid improper installation

ATTENTION! PRODUCT REQUIRES

113
AMPS POWER

3X40 AMP
BREAKERS REQUIRED

PLEASE ENSURE YOU CAN ACCOMODATE THE POWER SUPPLY AND HAVE THE PROPER SPCE FOR THIS UNIT IN YOUR BREAKER PANEL

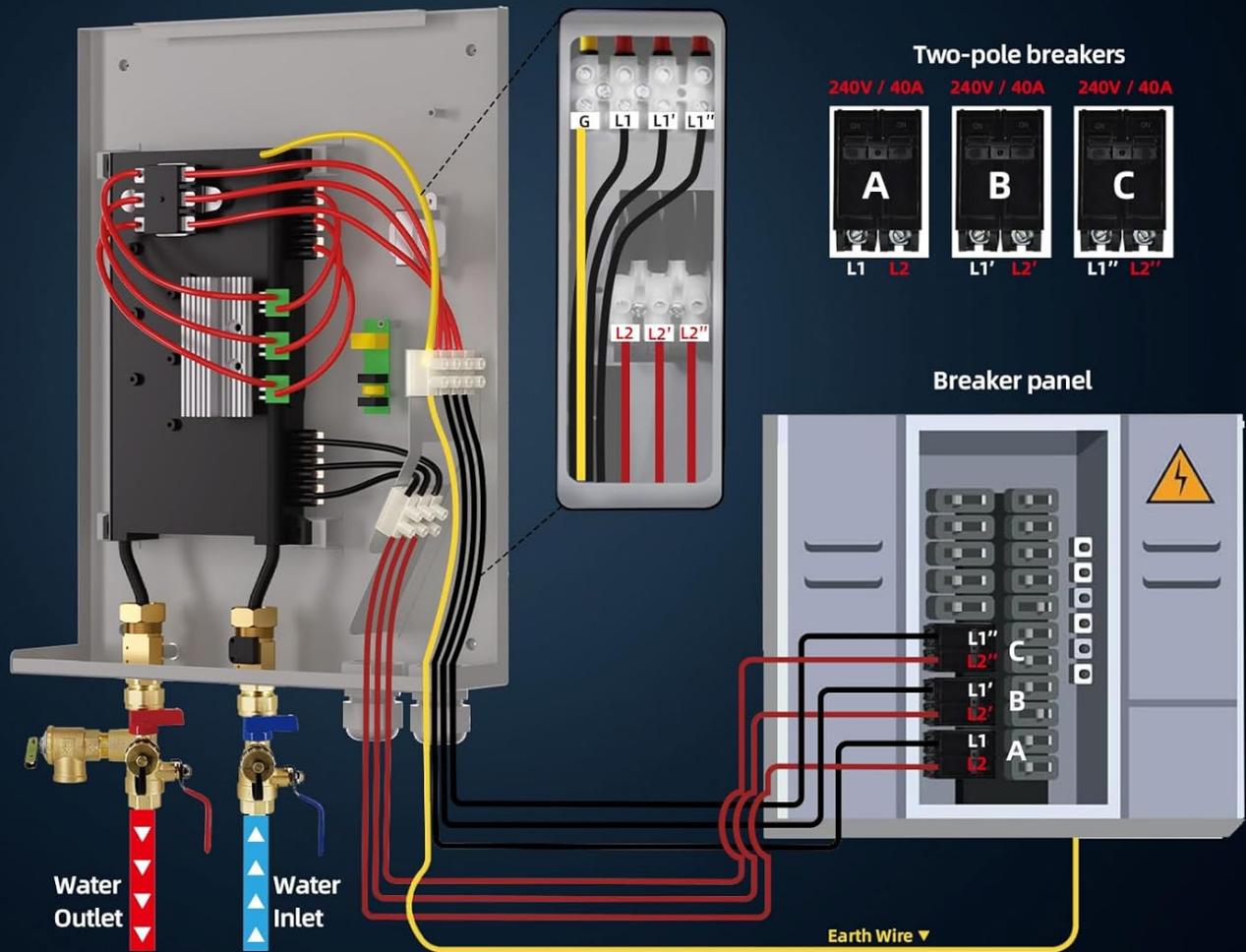
Model	ET027A1G	Voltage	240V/113A
KW	27KW	Breaker	3X40 AMP
Cable Required	3X(8AWG/2)	Dimensions	13.0"X17.0"X4.9"
Weight	19.5 lbs	Pipes Fitting	3/4"NPT

Image: Detailed table outlining electrical specifications (voltage, power, breaker size, wire size, max amperage) and plumbing connections (3/4" NPT).

Wiring Diagram

Refer to the following diagram and video for correct wiring connections. The ET027A1G model must be connected to 3 sets of 240V power. Each set requires connection to a two-pole breaker. L1 & L2 lines must connect to breaker A, L1" & L2" to breaker B, and L1"" & L2"" to breaker C.

Please Note: Circuit Diagram



ET027A1G must be connected to 3 set of 240V power. Each set power needs to be connected to a two-pole breaker.

L1&L2 lines must be connected to breaker A, L1'&L2' must be connected to breaker B, L1''&L2'' must be connected to breaker C.

Image: Visual representation of the circuit diagram, showing connections from the water heater to the breaker panel with three two-pole breakers.

Your browser does not support the video tag.

Video: A detailed demonstration of the electrical wiring process for the Fogatti 24/27kW Electric Tankless Water Heater, including connections to the circuit breakers.

Physical Installation

The unit is designed for wall-mounting. Choose a location that allows for proper ventilation, access for maintenance, and is protected from freezing temperatures. Ensure the mounting surface is capable of supporting the unit's weight.



Image: The compact Fogatti 27kW water heater mounted on a bathroom wall, illustrating its minimal space requirement.

4. OPERATION

Once installed, operating your Fogatti tankless water heater is straightforward using the digital interface.

Temperature Control

Adjust the desired water temperature using the intuitive knob and monitor it on the clear LED display. Temperatures can be set between 86°F and 140°F in 1°F increments. The unit's smart chip and dual sensors ensure consistent hot water delivery, minimizing temperature fluctuations.

Shower Anytime, No Limits

$\pm 1^\circ\text{F}$ accurate temp control for endless hot water

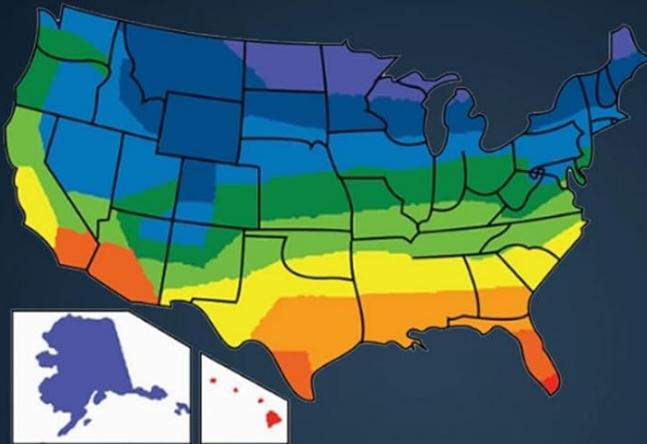


Image: A graph demonstrating the consistent temperature output of the Fogatti water heater, maintaining a stable temperature within $\pm 1^\circ\text{F}$ of the set point.

Water Flow and Performance

The 27kW model can deliver up to 6.7 GPM, sufficient for 3-4 fixtures simultaneously, depending on the incoming water temperature. Refer to the performance chart for expected flow rates based on ground water temperature.

North America Ground Water Temperature Map



Use your location on the map to correlate with legend for average ground water temperature in the U.S

For Hawaii and Puerto Rico , use ground water temperature of 75 F

For Canada and Alaska , use ground water temperature range 35-42 F

Average inlet water temperature
These are general temperature zones ,actual inlet temperature may be affected by local variations and seasonal changes

Heat Output: 27KW 	Inlet water temperature	Outlet water temperature	Simultaneous Shower Use	Max FlowRate (GPM)
			InstaE 27GA(27KW)	
	37 °F	108°F	  	2.9
	42 °F		  	3.1
	47 °F		  	3.4
	52 °F		  	3.7
	57 °F	Shower Flow Rate 1.2 GPM	   	4.1
	62 °F		    	4.5
	67 °F	Faucet Flow Rate 0.5 GPM	    	5.0
	72 °F		    	5.7
	77 °F		     	6.7

Simultaneous shower use was rounded to the nearest whole number based on the following data: Tankless set temperature of 110°F, ground water temperature as shown in the chart, and shower head flow rate of 2 gpm.

Customer has the option of using the following appliances instead of a shower: Residential grade clothes machine , hand sink or dishwasher Shower heads will be as above . If custom shower fixtures i.e. body sprays , high flow rate rain heads are use contact Fogatti

Image: A map showing average ground water temperatures across North America, alongside a performance chart detailing the maximum flow rate (GPM) and simultaneous shower use based on inlet water temperature for the 27kW model.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your tankless water heater.

Descaling

Depending on your water hardness, periodic descaling (flushing with a descaling solution) may be necessary to prevent mineral buildup in the heating elements. Consult a qualified plumber for this procedure, typically recommended annually in hard water areas.

Cleaning

Keep the exterior of the unit clean with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure air vents are clear of obstructions.

6. TROUBLESHOOTING

If you encounter issues with your water heater, refer to the following common troubleshooting steps. For complex problems, contact customer support.

Safety Thermal Cut-off Reset Instructions

If the product stops working due to the safety thermal cut-off protection function, you can reset it to restore normal operation.

Warning: Ensure the unit is powered off before proceeding.

1. **Remove the outer shell:** Carefully detach the unit's outer casing.
2. **Locate the safety thermal cut-off:** Identify the thermal cut-off switch inside the unit.
3. **Press the reset button with a screwdriver:** Use a screwdriver to press the reset button on the thermal cut-off.
4. **Install the outer shell:** Reattach the outer casing securely.

To determine if the safety thermal cut-off has tripped: (1) The machine is not working (the display screen shows nothing); (2) The municipal power supply is normal (test whether other appliances at home are functioning properly); (3) The circuit breaker connected to the electric water heater has not tripped. If these three conditions are met simultaneously, the product's limiter may have tripped, requiring a reset.



Step 1: Remove outer shell



Step 2: Locate thermal cut-off



Step 3: Press reset button



7. SPECIFICATIONS

Feature	Specification
Brand	FOGATTI
Model Number	27kW
Product Dimensions	3.9"W x 17.1"H
Color	Gray
Wattage	27 KW
Voltage	240 Volts
Maximum Temperature	140 Degrees Fahrenheit
Efficiency	98%
Mounting Type	Wall
Item Weight	21 pounds
Special Features	Overheat Protection, Leak Detection Technology

8. WARRANTY AND SUPPORT

Fogatti is committed to providing reliable products and customer satisfaction.

Warranty Information

This product includes a **2-Year Complete Unit Service** warranty. Additionally, a **30-Day Hassle-free Refund** policy is in place for your peace of mind.

Customer Support

For any inquiries, technical assistance, or warranty claims, please contact Fogatti customer support:

- **Phone Support:** Available 24/7
- **Email Assistance:** Available 24 hours

**Instant, Endless Hot Water
for Your Entire Home**

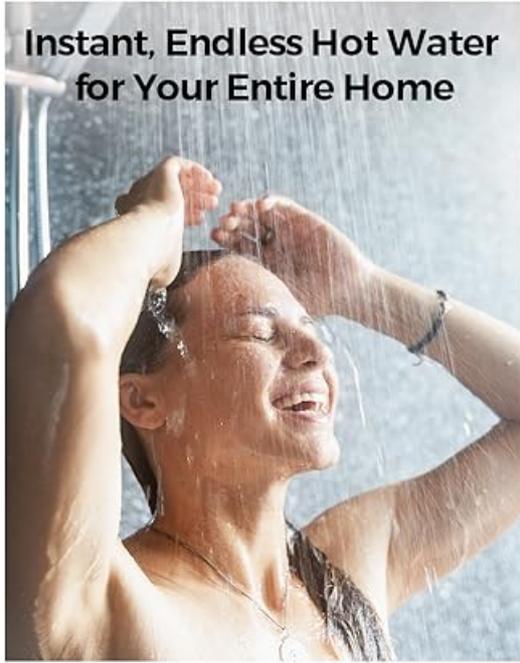


Image: Customer support details, including 24/7 phone support and 24-hour email assistance.