

Rheem 89VP20

Rheem 89VP20 Electric Storage Water Heater Instruction Manual

Model: 89VP20 | Capacity: 76 Liters | Voltage: 127V

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Rheem 89VP20 Electric Storage Water Heater. Please read all instructions carefully before proceeding with installation or use. This electric water heater is designed for indoor use, offering a quiet and efficient solution for hot water supply without requiring a gas connection.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Professional Installation:** Installation must be performed by a qualified technician in accordance with all local codes and regulations.
- **Electrical Connection:** Ensure the water heater is connected to a properly grounded 127V electrical supply. Do not use extension cords.
- **Water Pressure:** The unit operates effectively with both high and low water pressure, requiring no minimum pressure or flow for ignition.
- **Safety Systems:** The water heater is equipped with a double safety system, including an automatic thermostat and a factory-installed relief valve. Do not tamper with these safety devices.
- **Ventilation:** While designed for concealed spaces without ventilation, ensure adequate clearance around the unit for maintenance and inspection.
- **Water Temperature:** Hot water can cause severe burns. Exercise caution when using hot water and consider installing anti-scald devices at fixtures.

3. PRODUCT FEATURES

The Rheem 89VP20 Electric Storage Water Heater incorporates advanced features for reliability and efficiency:

- **Gas-Free Operation:** Ideal for locations without gas supply, suitable for interior installations, and operates silently.
- **Automatic Ignition:** Features automatic ignition for convenience and consistent performance.
- **Thermal Insulation:** Equipped with 1.5 inches of R-FoamMR polyurethane foam insulation, which prevents thermal losses and minimizes re-ignition cycles, saving up to 50% more energy compared to wool or fiber insulation.
- **Everkleen System:** An exclusive system that prevents scale accumulation, enhancing the water heater's durability, even with hard water. This system utilizes silver nanoparticles in the water inlet tubing to minimize bacteria.
- **Sapphire Blue Xpand Coating:** The tank and resistances feature a Sapphire Blue Xpand coating, protecting the interior and maximizing the product's lifespan.
- **AI Smart Function:** *(Note: This feature is mentioned in a general product video and may apply to the product line. Consult your specific model's documentation for confirmation.)* This function records your usage habits and replicates them to minimize energy consumption, ensuring hot water is available when needed.
- **Anode Rod:** Features an anode rod for extended protection against corrosion, lasting up to 4 times longer than standard anode rods.



Máxima
Durabilidad



Encendido
Electrónico

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. It is highly recommended that installation be performed by a certified professional.

4.1 Pre-Installation Checks

- Verify that the installation location is suitable for an electric water heater, free from gas supply lines.
- Ensure the electrical supply meets the 127V requirement.
- Confirm that the mounting surface can support the weight of the water heater when full (approximately 76 liters of water + unit weight).

4.2 Mounting and Connections

- Mount the water heater securely to a wall or stable surface. Refer to the physical dimensions for space planning.
- Water connections are located at the top of the unit. Connect the cold water inlet and hot water outlet pipes.
- Ensure the factory-installed relief valve is properly connected and directed to an appropriate drain.
- Fill the tank with water completely before connecting to the electrical supply.
- Connect the unit to the 127V electrical supply.



Conexiones por La parte superior



Image: Top connections for water inlet and outlet.



5. OPERATING INSTRUCTIONS

Once installed and filled with water, your Rheem 89VP20 water heater is ready for operation.

5.1 Initial Startup

- Ensure the water heater is fully filled with water before turning on the electrical supply.
- Turn on the electrical power to the unit. The automatic ignition system will activate.

5.2 Temperature Adjustment

- Locate the temperature selector on the unit.
- Adjust the temperature to your desired setting. A medium setting is often sufficient for typical household needs.

- The unit also features a reset button, which may be used if the unit trips due to overheating or other electrical issues.

5.3 AI Smart Function (If Applicable)

If your model includes the AI Smart function, the water heater will learn your hot water usage patterns over time. This allows it to optimize heating cycles, reducing energy consumption while ensuring hot water is available when you typically need it.

Your browser does not support the video tag.

Video: Official Rheem video demonstrating features of the Electric Storage Water Heater, including AI Smart functionality and internal components. This video is provided by Rheem Mexico.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your water heater.

- **Draining and Cleaning:** Periodically drain and flush the tank to remove sediment buildup. The unit is equipped with a drain valve for this purpose. Consult a professional for recommended frequency based on your water quality.
- **Anode Rod Inspection:** The anode rod protects the tank from corrosion. While designed for extended life, it should be inspected periodically by a qualified technician and replaced if significantly depleted.
- **Safety Valve Check:** Annually test the temperature and pressure relief valve (T&P valve) by lifting the lever. Water should discharge from the drain pipe. If no water discharges, or if it continues to drip, contact a qualified service technician.
- **Exterior Cleaning:** Keep the exterior of the water heater clean and free from obstructions.

7. TROUBLESHOOTING

Before calling for service, review these common issues and solutions:

Problem	Possible Cause	Solution
No hot water or insufficient hot water	No power to unit, tripped breaker, thermostat set too low, heating element failure.	Check power supply and circuit breaker. Adjust thermostat. If problem persists, contact service.
Water is too hot	Thermostat set too high.	Lower the thermostat setting.
Leaking from unit	Loose connections, T&P valve discharge, tank leak.	Tighten connections. Check T&P valve. If tank leak, unit replacement may be necessary. Contact service.
Unusual noises (e.g., popping, rumbling)	Sediment buildup in tank.	Drain and flush the tank. If noises continue, contact service.

8. SPECIFICATIONS

Detailed technical specifications for the Rheem 89VP20 Electric Storage Water Heater:

Specification	Value
Model Number	89VP20
Capacity	76 Liters (20 Gallons)
Voltage	127 Volts
Power Source	Corded Electric
Material	Metal
Color	Oxford Grey
Style	Heavy Duty, Interior
Product Dimensions (L x W x H)	56 x 51 x 66 cm (22 x 20 x 26 inches)
Product Weight	33.1 kg (73 lbs)
Special Features	Automatic ignition without pilot or battery

Alto
63.9 cm



Diámetro 50.1 cm (Ø)

Image: Dimensions of the Rheem 89VP20 Electric Water Heater.

Calentador de Depósito Eléctrico

Agua caliente a la medida de cualquier necesidad gracias a su calidad, eficiencia y durabilidad.



MODELO		89VP2	89VP6	89VP10	89VP15	89VP20	89VP30
Capacidad	L (gal)	9 (2.5)	23 (6)	38 (10)	57 (15)	76 (20)	113 (30)
Número de servicios simultáneos		0.5*	0.5 Plus*	1*	1.5*	2*	3*
Altura total	cm	34.7	39	58.3	62	63.9	74.5
Diámetro	cm	24.7	40	40	45	50.1	53.3
Peso (tanque vacío)	kg	10	16	21	24	31	41
Tensión eléctrica	Vca	127	127/220	127/220	127/220	127/220	127/220
Número de fases		V1 Fase 127V / 2 Fases 220					
Frecuencia	Hz	60					
Potencia eléctrica total	W	1,500	2,240/3,800	2,240/3,800	2,240/3,800	2,240/3,800	2,240/3,800
Número de resistencias		1	1	1	1	1	1
Presión máxima de trabajo	kgf /cm²	6.2	6.2	6.42	6.42	6.42	6.42
Presión de prueba hidrostática	kgf /cm²	13					
Recubrimiento exterior		Pintura electrostática en polvo hornada					
Recubrimiento interior del tanque		Porcelanizado Rheemglas™					
Autolimpieza		Sistema Everklean® (a partir del modelo 89VP30)					
Aislante térmico		1.5" de poliuretano de alta densidad R-Foam™					
Ánodo de protección		Magnesio (1 en todos los modelos)					
Válvula de drenado		De cuerda horizontal y plástico rígido (sólo en modelo 89VP2)					
Válvula de alivio	psi	150, a partir del modelo 89VP20					
Termostato		Automático con botón de reinicio					
Calibre del cable recomendado**	AWG	12	10/14	10/14	10/14	10/14	10/14
Protección de sobrecorriente recomendada***	A	20	30/25	30/25	30/25	30/25	30/25
Conexión de entrada y salida de agua	Pulg. NPT	3/4					
Posición de entrada y salida de agua	Superior al tanque	Lateral al tanque					
Garantía		6 años en tanque; 1 año en partes eléctricas y/o electrónicas. Registra tu equipo en www.rheem.com.mx y obtén un año más de garantía totalmente gratis					

Las especificaciones de los productos están sujetas a cambio sin previo aviso.

* Con regadera 8 L/min y lavabos de 3 L/min.
** Mínimo calibre.
*** Puente independiente.

Image: Capacity guide indicating suitability for two showers.



Image: Comprehensive table of specifications for various Rheem electric water heater models.

9. WARRANTY AND SUPPORT

Rheem is committed to providing reliable products and excellent customer service.

- **Warranty Coverage:** The Rheem 89VP20 Electric Storage Water Heater comes with a 6-year warranty on the

tank and a 1-year warranty on electrical and/or electronic parts.

- **Extended Warranty:** Register your equipment at www.rheem.com.mx to receive an additional year of warranty completely free.
- **Technical Support:** National technical service is available for assistance with installation, maintenance, and troubleshooting. Refer to the Rheem website or your purchase documentation for contact information.



**Envío
Gratis**



**6 años
de Garantía**



**Servicio Técnico
a nivel Nacional**



Image: Product packaging indicating warranty and technical service availability.