



Smart and Standard
Electric with
Demand Response



H-Series Heat Pump
Water Heaters with
Demand Response

Demand Response

Smarter Energy, Greater Efficiency, Real Savings.

Friedrich® Demand Response Ready Water Heaters

Friedrich's demand response (DR) ready heat pump and electric water heaters reduce energy demand, seamlessly connect to utility-controlled programs and save homeowners energy costs while installing as easily as a standard water heater. Demand response / energy saving programs enable utilities to supply continuous and reliable power for homes and buildings during peak usage hours.

Enrolling in a program provides utilities permission to adjust the water heater's electricity usage, reduce energy demand during peak periods, and reduce carbon emissions.* In order to participate in programs, customers must connect their water heaters either through a Wi-Fi connection or a communication module installed in the water heater's EcoPort (CTA 2045 port).

The following states require select electric storage and electric storage heat pump water heaters to be equipped with modular demand response communication port or demand response controls compliant with ANSI/CTA-2045-A, ANSI/CTA-2045-B or AHRI 1430: Colorado, Oregon and Washington.

Friedrich demand response connectivity options:

Wi-Fi	EcoPort™ (State-regulated for all residential electric and HPWH)
No additional hardware required	Requires third-party communication module (provided by utility/aggregator)
Not state-specific	Some state programs require a thermal mixing valve
Supported by all water heaters with built-in Wi-Fi powered by EcoNet® technology	CTA-2045 compliant



Easy Control:

Homeowners can override a demand response event, see active time-of-use schedule and view energy usage reports

*95% of Homeowners participating in a Demand Response Program are satisfied with the experience. The water heater's efficient design allows tank water to remain hot even when not in use.

Heat Pump, Hybrid Electric and Electric Water Heaters

Our high efficiency, DR ready heat pump and electric models reduce energy demand, seamlessly connect to utility-controlled programs and save homeowners energy costs while installing as easily as a standard water heater.

Friedrich® Residential Smart Electric | H-Series, F-Series Plus, and F-Series Water Heaters



H-Series Smart Electric with LeakGuard™ and Demand Response

- .92 - .93 UEF
- Recovery rate: 21-25 GPH at a 90° F rise
- Demand response ready EcoPort™ (CTA-2045 port) is built in for easy connect to utility demand response programs
- LeakGuard™ Integrated Leak Detection and Prevention System with factory installed auto water shut-off valve
- Built-in Wi-Fi powered by EcoNet®
- 40, 50 and 55-Gallon capacities

Limited Warranty

- Tank and Parts – 12 Years



F-Series Plus Smart Electric with LeakSense™ and Demand Response

- .92 - .93 UEF
- Recovery rate: 21-25 GPH at a 90° F rise
- Demand response ready EcoPort™ (CTA-2045 port) is built in for easy connect to utility demand response programs
- Dual 4500 or 5500 watt SS heating elements
- LeakSense™ Built-in Leak Detection System detects any leak large or small
- Built-in Wi-Fi powered by EcoNet®
- 40, 50 and 55-Gallon capacities
- 240 Volt AC/Single phase

Limited Warranty

- Tank and Parts – 8 Years



F-Series Electric with Demand Response

- .92 - .93 UEF
- Recovery rate: 17-21 GPH at a 90° F rise
- Demand response ready EcoPort™ (CTA-2045 port) is built in for easy connect to utility demand response programs
- 40, 50 and 55-Gallon capacities
- 240 Volt AC/Single phase

Limited Warranty

- Tank and Parts – 6 Years

Friedrich® H-Series Hybrid and Heat Pump Water Heaters



H-Series Hybrid Electric Heat Pump with Top Water Connections & LeakGuard™

- Meets NEEA Tier 4 requirements
- LeakGuard™ Integrated Leak Detection and Prevention System
- Title 24 Compliant (JA13 Ready)
- Demand Response Ready – Built-in EcoPort™ (CTA-2045 Port) allows easy connection to Utility programs
- 5 Smart Operating Modes
- Built-in Wi-Fi powered by EcoNet®
- 37-145° F Ambient operating temp. range
- 40, 50, 65 and 80-Gallon capacities
- 208-240 Volt, 1PH, 30 Amps

Limited Warranty

- Tank and Parts – 10 Years



H-Series Hybrid Electric Heat Pump with Top Water Connections

- Meets NEEA Tier 4 requirements
- Built-in Wi-Fi powered by EcoNet®
- 37-145° F Ambient operating temp. range
- LeakGuard™ and LeakSense™ Ready – Easily add leak detection and prevention with leak sensor and shutoff valve
- Title 24 Compliant (JA13 Ready)
- Demand Response Ready – Built-in EcoPort™ (CTA-2045 Port) allows easy connection to Utility programs
- 5 Smart Operating Modes
- 40, 50, 65 and 80-Gallon capacities
- 208-240 Volt, 1PH
- 15 and 30 Amp models

Limited Warranty

- Tank and Parts – 10 Years



H-Series Plug-In Heat Pump (120V Dedicated Circuit)

- Up to 3.0 UEF reduces operating cost
- LeakGuard™ and LeakSense™ Ready – Easily add leak detection and prevention with leak sensor and shutoff valve upgrade kit
- Title 24 Compliant (JA13 Ready)
- Demand Response Ready – Built-in EcoPort™ (CTA-2045 Port) allows easy connection to Utility programs
- Built-in Wi-Fi powered by EcoNet®
- 37-145° F Ambient operating temp. range
- 50-Gallon capacity

Limited Warranty

- Tank and Parts – 10 Years



H-Series Plug-In Heat Pump with HydroBoost and LeakGuard™ (120V Shared Circuit)

- Up to 3.46 UEF reduces operating cost
- Title 24 Compliant (JA13 Ready)
- Demand Response Ready – Built-in EcoPort™ (CTA-2045 Port) allows easy connection to Utility programs
- LeakGuard™ Integrated leak detection and prevention system with factory installed auto water shut-off valve
- Built-in Wi-Fi powered by EcoNet®
- 37-145° F Ambient operating temp. range
- 40, 50, 65 and 80-Gallon capacities

Limited Warranty

- Tank and Parts – 10 Years



H-Series Plug-In Heat Pump with HydroBoost (120V Shared Circuit)

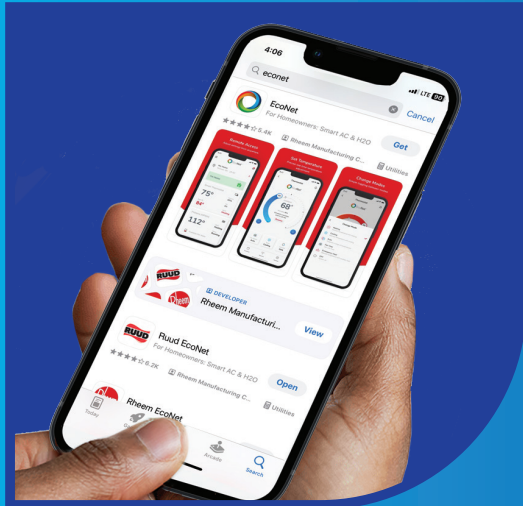
- Up to 3.46 UEF reduces operating cost
- Title 24 Compliant (JA13 Ready)
- Demand Response Ready – Built-in EcoPort™ (CTA-2045 Port) allows easy connection to Utility programs
- Built-in Wi-Fi powered by EcoNet®
- 37-145° F Ambient operating temp. range
- 40, 50, 65 and 80-Gallon capacities

Limited Warranty

- Tank and Parts – 10 Years



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How the Programs Work

After connecting their demand response ready products powered by EcoNet® technology, homeowners can enroll in utility programs available in their service area. Friedrich offers partnerships with a variety of aggregators so homeowners can choose the one that best fits their needs. Participation in these utility programs is a 3-step process:

1. Purchase and Install a Friedrich Demand Response Ready water heater powered by EcoNet® technology.
2. Download the free EcoNet® app and connect the water heater.
3. Select and enroll in a utility program with one of the participating aggregators. This can be done either through the partners' website or directly through the EcoNet® app. The aggregator requires connection to the utility as part of the enrollment process in order to manage events.

Contact Us

Customer Service, Warranty, Parts	800.621.5622
Tankless Customer Service, Warranty, Parts	866.720.2076
Technical Service	800.HEATER3 (800.432.8373)
Technical Service for Heat Pump Water Heater	800.995.0982
EcoNet Support	800.255.2388
Fax	800.535.9538
Plumber Business Support	866.339.2388 PlumberBusinessSupport@Rheem.com
Website	Friedrich.com

Parts and Accessories

Friedrich offers a wide assortment of parts and accessories for all your water heating needs. For more information, see your Friedrich Parts and Accessories Catalog, call **800.621.5622** or go to www.Friedrichparts.com.

Limited Warranty

See Friedrich Warranty Certificate for complete information.

In keeping with its policy of continuous progress and product improvement, Friedrich reserves the right to make changes without notice.

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