



NXW700 Series



The Navien NXW700 Dual Fuel Heat Pump Water Heater is a first-of-its-kind hybrid water heater that pairs a 120V plug-in electric heat pump with a high-efficiency condensing gas backup—delivering heat pump efficiency without compromising on hot water delivery, installation simplicity, or comfort.

Heat pump water heaters are a cornerstone of residential decarbonization, but most require a dedicated 240V circuit—an expensive, disruptive barrier when replacing a gas unit. Emerging 120V plug-in models solve the electrical problem but can struggle to keep up with back-to-back showers, cold conditions, or larger households. The NXW700 eliminates this trade-off: it plugs into a standard 120V outlet (15A max breaker) with no panel upgrade or new wiring, while its integrated 60,000 Btu/h condensing gas burner delivers rapid recovery whenever demand spikes.

The result is remarkable performance from a standard 50-gallon footprint: a Uniform Energy Factor of up to 3.80 and a First Hour Rating of up to 100 gallons, confirmed by independent laboratory testing following DOE procedures—without increasing tank volume or requiring electrical upgrades.

Homeowners stay in control with multiple operating modes. E-Saver, the default hybrid mode, lets the heat pump carry the load for maximum affordability while gas engages

only for fast recovery; Hi-Demand prioritizes recovery for high-volume households. A patent-pending Smart Load Sensing algorithm detects demand in real time, engaging gas only when needed, and running the heat pump alone for peak efficiency.

The NXW700 is also a natural grid asset. During demand response events, it minimizes electricity consumption while ensuring homeowners never lose hot water. Built-in Wi-Fi powered by NaviLink® enables remote monitoring, control, and firmware-over-the-air updates.

By combining plug-and-play electrification with the reliability of gas backup, the NXW700 accelerates heat pump adoption in the millions of homes where a 240V unit simply isn't feasible today.

Product Specifications

- **Meets CEE Advanced Tier criteria**
- **UEF:** 40MBH: 3.80 / 60MBH: 3.80
- **First Hour Rating:** 40MBH: 80 / 60MBH: 102
- **Refrigerant:** R134A
- **Energy Management Features:** Vacation or away mode, "Eco" or low power mode, energy consumption reporting or energy meters
- **Connectivity Protocols:** Bluetooth Low Energy (BLE), CTA-2045-B, OpenADR 2.0, Wi-Fi
- **Warranty:** Limited replacement warranty, 10 years for sealed components, 6 years for gas train, 1 year for labor

Availability:

Available Q4 2026

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