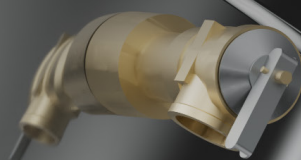


NWP500 Series



NEW NWP500 Heat Pump Water Heaters

High-efficiency, eco-friendly heat pump water heater with durable stainless steel tank and aluminum coils



NWP500-50



CR Consumer
Reports
RECOMMENDED



Scan to
Learn More



Introducing the NWP500 Heat Pump Water Heater



NWP500-50



Another Navien innovation with stainless steel to enhance performance and durability in water heating technology

Navien brings the advanced stainless steel technology from their number one selling tankless water heaters to the NWP500 Heat Pump Water Heater. The new NWP500 is built with a durable stainless steel tank...unlike other heat pump water heaters that use enamel-coated steel and anodes to protect their water heaters.



Stainless steel tank and aluminum coils for improved durability.



Designed to meet NEEA AWHs Tier 4 requirements.



Top and side connection options.



Energy Star rating: up to 4.05 UEF.



Demand Response Ready with built-in EcoPort™ (CTA-2045 Port).



Quiet operation, less than 45 dBA.



Built-in Wi-Fi powered by NaviLink® with over-the-air software updates.



Ambient operating range of 41°F–113°F.

NWP500...a great reason in any season to save energy and utility costs

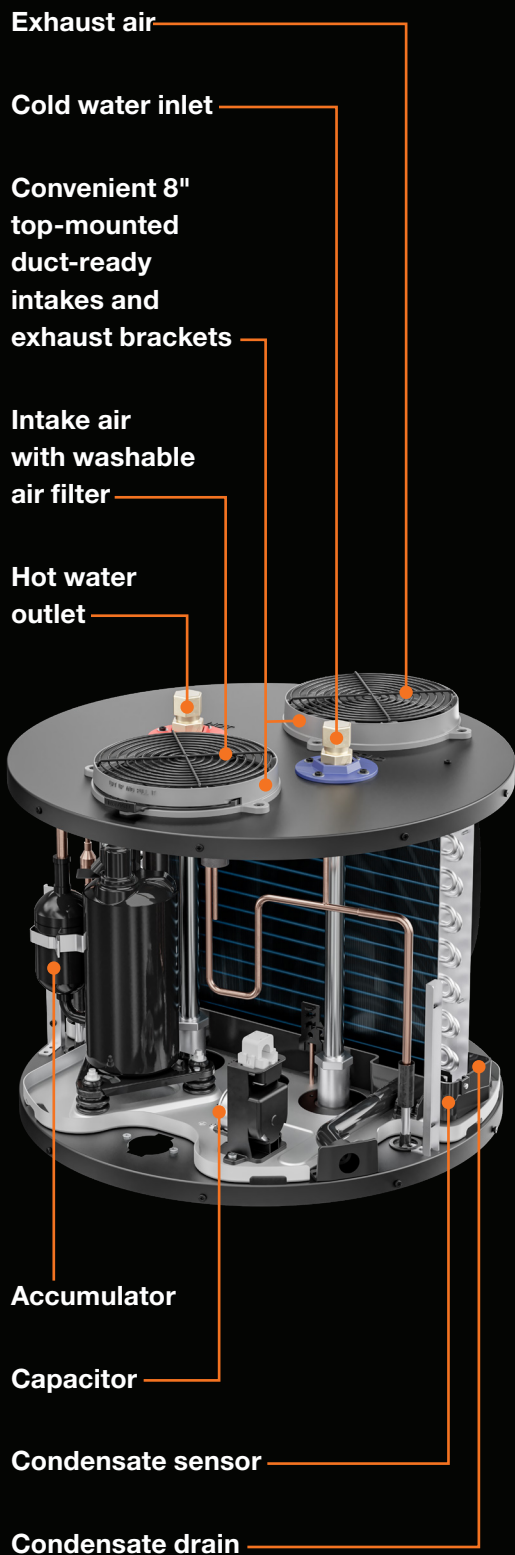


Customers can lower utility bills by switching from a traditional electric water heater to an NWP500 heat pump water heater.



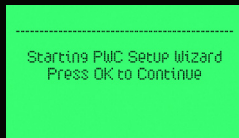
reddot winner 2025

The Inside Story: stainless steel tank and so much more

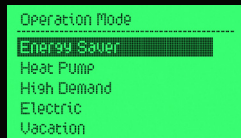


More advantages inside and out

Intuitive LED control panel display
for easy set-up and operation



Easy setup
with built-in
setup wizard.



Easily choose
between different
operation modes.



View operation
mode and
heat level.

● **Available in 3 models:**

- 50-gallon
- 65-gallon
- 80-gallon

● **Built-in audible
condensate alarm and
dry-fire water sensing**

● **5 operation modes
for maximum
performance
and efficiency:**

- Energy Saver
- Heat Pump
- High Demand
- Electric
- Vacation

● **Optional add-ons:
mixing valve, auto shut
off, and leak detector**

● **Qualifies for
many local and/or
statewide rebates**

**Easy electrical
access panel**

**Easy-to-clean
fingerprint and
smudge-resistant
matte grey
pre-coated finish**

ECO (Energy Cut Off)

**Easy access panels
and covers for heating
element rods**

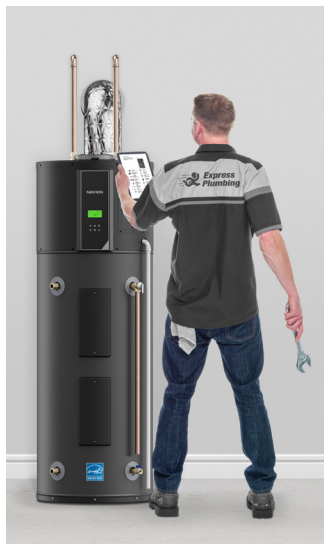
**Incoloy stainless steel
backup and direct
heating elements**

**Safe, eco-friendly
(non-CFC) insulation**

**Built-in dip tube
diffuser for better
water mixing**



Easy to install in small or large homes, and designed to perform in all climates



Most heat pump water heaters were designed for warm climates, but the engineers at Navien have changed all that. The NWP500 is another innovation from Navien that performs well in any climate. The models match standard tank water heater sizes and fit in tight spaces with zero clearance on

the sides and back. They can be installed in attics, utility rooms/closets, garages and basements in large and small homes.

The NWP500's multiple top and side connections, duct-ready mounting brackets, and intuitive controls for easy setup make retrofit and new construction installations hassle-free.



Cold climate installations would use indoor air for intake, and use exhaust ductwork to remove cold air from heated area in the home.



Warm climates would use intake ductwork for hot outdoor air, and the cold exhaust air can help cool installation areas.

Quiet operation



Accessories



ComfortCirc™ Recirculation Kit PFFW-SS2-001

Optimizes recirculation operation and minimizes energy loss for NWP500. Automatically adjusts during Demand-Response (CTA-2045).

*Compatible with NWP500 units manufactured in or after November 2025.



Leak Detection Sensor Kit GXXX002964

Monitors NWP500 installation for any potential leaks and included automatic shut-off valve reduces potential water discharge. Smart monitoring and notifications via NaviLink app.

Specifications

Items			Model					
			NWP500-50		NWP500-65		NWP500-80	
Capacity & Efficiency								
Dimensions			Ø21.7" × 63" (Ø552 mm × 1,600 mm)		Ø25" × 63" (Ø636 mm × 1,600 mm)		Ø25" × 71.6" (Ø636 mm × 1,819 mm)	
Nominal capacity (gallons)			50		65		80	
Rated storage volume (gallons)			45.2		63.2		76.1	
UEF (Uniform Energy Factor)			3.85		4.03		4.05	
First hour rating (gallons)			65		80		85	
AHRI number			217191097		217191098		217191099	
Product General Data								
Installation location			Indoor					
Water pressure			15–150 psi					
Connections size	Cold water inlet		3/4" NPT					
	Hot water outlet							
	Drain							
	T&P relief valve							
	Condensate drain							
	Heating element		1" NPSM (thread per inch 11-1/2)					
Materials	Casing		Cold rolled carbon steel					
	Storage tank		Stainless steel					
	Condenser		Aluminum coil					
Air in/out size	Air intake		Ø8"					
	Air exhaust							
Safety devices			Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve					
Shipping weight			229 lbs (104 kg)		265 lbs (120 kg)		282 lbs (128 kg)	
Net weight			181 lbs (82 kg)		204 lbs (92.7 kg)		220 lbs (99.6 kg)	
Electrical Data								
Power supply			208/240VAC, 60 Hz, 1 Phase					
MCA			208V (25.9A) / 240V (28.8A)					
Circuit breaker — Amps			30A					
Wire size			Up to 10 AWG (Suitable for 167°F [75°C])					
Component Data								
Compressor (LRA)			11.6A					
Fan motor (FLA)			0.22A					
208 V	Compressor (RLA)		2.0A					
	Heating element	Upper	3,755W					
		Lower						
240 V	Compressor (RLA)		1.75A					
	Heating element	Upper	5,000W					
		Lower						
Maximum pressure		Discharge	2.654 MPa / 385 PSIG					
		Suction	1.724 MPa / 250 PSIG					
Refrigerant			R-134a					
Refrigerant charge			28.2 oz / 800 g					
Certifications			        					

Navien reserves the right to change specifications at any time without prior notice. Please refer to www.navieninc.com to verify you have the most current information.

Warranty

Model	Labor	Parts	Tank
NWP500-50	1 Year	10 Years	10 Years
NWP500-65			
NWP500-80			

Navien's warranty (which may be changed without prior notice) is subject to the terms and conditions found at www.navieninc.com/warranties.

Navien, Inc. navieninc.com 800-519-8794
20 Goodyear, Irvine, CA 92618

We are @Navieninc everywhere



Navien Canada, Inc. navieninc.ca 800-519-8794
555 Hanlan Rd., Unit 7, Vaughan, ON L4L 4R8

