

## NEW NWP500 Heat Pump Water Heaters

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



### Introducing the NWP500 Heat Pump Water Heater





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

Navien is a world innovator in tankless water heaters, boilers, combi-boilers, HVAC, and water treatment products. Their advanced stainless steel heat exchanger technology was one of the many advancements behind their number 1 selling wall-hung boilers and gas tankless water heaters in North America. The new NWP500 Heat Pump Water Heater is also built around the same innovative technology with a durable stainless steel tank...unlike many competitors who 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.



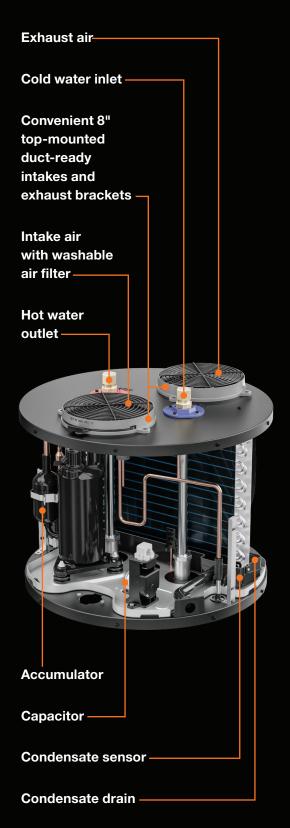
Ambient operating range of 41°F–113°F.

# 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.

# 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

Starting PWC Setup Wizard Press OK to Continue

Easy setup with built-in setup wizard.



Easily choose between different operation modes.



navien

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-CNC) 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.

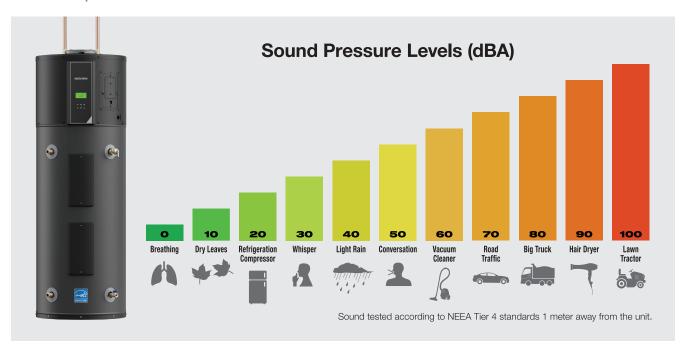


Cold climate installations would use indoor air for intake, and use exhaust ductwork to remove cold air from heated area in the home.



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

#### Quiet operation: less than 45 dBA



### Specifications

NWP500-60   NWP500-65   NWP500-65   NWP500-65   NWP500-65	Homes		Model			
Dimensions	Items		NWP500-50	NWP500-65	NWP500-80	
Dimensions   (Ø552 mm x 1,600 mm)   (Ø636	Capacity	y & Efficiency				
Rated storage volume (gallons)	Dimensions				Ø25" × 71.6" (Ø636 mm × 1,819 mm)	
UEF (Uniform Energy Factor)   3.85   4.03   4.05     First hour rating (gallons)   65   80   85     AHRI number   217191097   217191098   217191091     Product General Data	Nominal capacity (gallons)		50	65	80	
First hour rating (gallons)   65   80   85     AHRI number   217191097   217191098   217191091     Product General Data	Rated storage	je volume (gallons)	45.2	63.2	76.1	
AHRI number 217191097 217191098 21719109  Product General Data  Installation location  Water pressure  Cold water inlet Hot water outlet Drain Size Tile relief valve Condensate drain Heating element Condenser Air in/out size Air exhaust  Safety devices Shipping weight Shipping weight Power supply Electrical Data Power supply  Electrical Data Power supply  Component Data Compressor (RLA) Fan motor (FLA) Componessor (RLA)  Fan motor (FLA) Condenser (Althour Size)  217191097 217191098 247191098	UEF (Uniform	m Energy Factor)	3.85	4.03	4.05	
Product General Data   Installation location   Indoor	First hour r	rating (gallons)	65	80	85	
Indoor   Indoor   Water pressure   15–150 psi	AHRI	RI number	217191097	217191098	217191099	
Water pressure	Product G	General Data				
Cold water inlet	Installation location		Indoor			
Hot water outlet	Water	er pressure	15–150 psi			
Connections size         Drain         3/4" NPT           T&P relief valve         Condensate drain         1" NPSM (thread per inch 11-1/2)           Heating element         1" NPSM (thread per inch 11-1/2)           Casing         Cold rolled carbon steel           Materials         Storage tank         Stainless steel           Condenser         Aluminum coil           Air intake         Ø8"         Wa"           Air exhaust         Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve           Shipping weight         229 lbs (104 kg)         265 lbs (120 kg)         282 lbs (120 kg)           Net weight         181 lbs (82 kg)         204 lbs (92.7 kg)         220 lbs (99.90)           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         Up to 10 AWG (Suitable for 167°F [75°C])           Compressor (LRA)         11.6A         Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A         2.0A		Cold water inlet				
T&P relief valve   Condensate drain   Heating element   1" NPSM (thread per inch 11-1/2)		Hot water outlet				
Condensate drain   Heating element   1" NPSM (thread per inch 11-1/2)	Connections	Drain	3/4" NPT			
Heating element	size	T&P relief valve				
Materials         Casing         Cold rolled carbon steel           Storage tank         Stainless steel           Condenser         Aluminum coil           Air intake         Ø8"           Air exhaust         Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve           Shipping weight         229 lbs (104 kg)         265 lbs (120 kg)         282 lbs (120 kg)           Net weight         181 lbs (82 kg)         204 lbs (92.7 kg)         220 lbs (99.0 kg)           Electrical Data         Value         208/240V AC, 60 Hz, 1 Phase           MCA         208V (25.9A) / 240V (28.8A)         30A           Wire size         Up to 10 AWG (Suitable for 167°F [75°C])           Component Data         Up to 10 AWG (Suitable for 167°F [75°C])           Compressor (LRA)         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A		Condensate drain				
Materials         Storage tank         Stainless steel           Condenser         Aluminum coil           Air intake         Ø8"           Air exhaust         Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve           Shipping weight         229 lbs (104 kg)         265 lbs (120 kg)         282 lbs (120 kg)           Net weight         181 lbs (82 kg)         204 lbs (92.7 kg)         220 lbs (99.8 kg)           Electrical Data         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         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A		Heating element	1" NPSM (thread per inch 11-1/2)			
Condenser		Casing	Cold rolled carbon steel			
Air in/out size  Air intake Air exhaust  Safety devices  Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve  Shipping weight  Shipping weight  Net weight  181 lbs (82 kg)  204 lbs (92.7 kg)  220 lbs (99.00 lbs (99.00 lbs (90.00	Materials	Storage tank	Stainless steel			
Air in/out size  Air exhaust  Safety devices  Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve  Shipping weight  Shipping		Condenser	Aluminum coil			
Safety devices	Air in /out oito	Air intake	/\ O"			
Temperature & Pressure (TP) relief valve	Air in/out size	Air exhaust	Ø8"			
Net weight         181 lbs (82 kg)         204 lbs (92.7 kg)         220 lbs (99.7 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         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Safety devices					
Electrical Data         208/240VAC, 60 Hz, 1 Phase           Power supply         208V (25.9A) / 240V (28.8A)           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         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Shipping weight		229 lbs (104 kg)	265 lbs (120 kg)	282 lbs (128 kg)	
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         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	0 0		181 lbs (82 kg)	204 lbs (92.7 kg)	220 lbs (99.6 kg)	
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     11.6A       Compressor (LRA)     11.6A       Fan motor (FLA)     0.22A       Compressor (RLA)     2.0A	Electri	trical Data				
Circuit breaker — Amps         30A           Wire size         Up to 10 AWG (Suitable for 167°F [75°C])           Component Data         11.6A           Compressor (LRA)         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Power supply		208/240VAC, 60 Hz, 1 Phase			
Wire size         Up to 10 AWG (Suitable for 167°F [75°C])           Component Data         11.6A           Compressor (LRA)         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	,					
Component Data           Compressor (LRA)         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Circuit breaker — Amps		30A			
Compressor (LRA)         11.6A           Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Wire size		Up to 10 AWG (Suitable for 167°F [75°C])			
Fan motor (FLA)         0.22A           Compressor (RLA)         2.0A	Compo	onent Data				
Compressor (RLA) 2.0A	Compressor (LRA)		11.6A			
	Fan motor (FLA)					
208 V Heating Upper	Co	Compressor (RLA)	2.0A			
element Lower 3,755W	3.755W		3,755W			
Compressor (RLA) 1.75A	Cr	Compressor (RLA)	1.75A			
240 V Heating Upper 5,000W	240 V Heatir	ating Upper	5,000W			
2000		E LOWEI	2 654 MD2 / 205 DOIO			
Maximum praceura	Maximum pressure Discharge		2.654 MPa / 385 PSIG 1.724 MPa / 250 PSIG			
	Suction					
	Refrigerant		R-134a			
	neingerant charge		28.2 oz / 800 g			
Certifications  Signature Corrections  Certifications  Certifications  Certifications	Certif	tifications	MATTER CHAPTER STATE OF THE PROPERTY OF THE PR	ECOPORT CER SUBSTITUTE CER	TIFIED reddot winner 2025	

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			
NWP500-65	1 Year	10 Years	10 Years
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.

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We are @Navieninc everywhere









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