



QuickFacts

NWP500 Series

Heat Pump Water Heaters

Product Features



Stainless steel tank and aluminum coils for improved durability.



Designed to meet NEEA AWHs Tier 4 requirements.



Top and side connection options.



Easy-to-use control panel with multi-line LED display.



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



Quiet operation, less than 45dBA.

- Available in 3 models... 50-gallon, 65-gallon and 80-gallon
- Built-in audible condensate alarm and dry-fire water sensing
- 5 operating modes for maximum performance and efficiency: Energy Saver, Heat Pump, High Demand, Electric and Vacation
- Built-in Wi-Fi powered by NaviLink® with over-the-air software updates
- Qualifies for many local and/or statewide rebates



reddot winner 2025



The Inside Story: Stainless Steel Tank & So Much More

Exhaust air
Cold water inlet
Convenient 8" top-mounted duct-ready intakes and exhaust brackets
Intake air with washable air filter
Hot water outlet

Accumulator
Capacitor
Condensate sensor
Condensate drain

Top inlet and outlet connections
Overload protector
Heavy-duty compressor
Coated aluminum evaporator coils
Optional side outlet connection
Temperature & pressure relief valve
Durable stainless steel tank — no need for interior anode protection
Element personnel protection
Corrosion-resistant aluminum coils
Enhanced-flow brass drain valve
Optional side inlet connection

Easy electrical access panel
Intuitive LED control panel display for easy set-up and operation
Easy-to-clean, Navien 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



Specifications

Items		Model		
		NWP500-50	NWP500-65	NWP500-80
Capacity & Efficiency				
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 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.

We are @Navieninc everywhere



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Dimensions

