NAVIEN

QuickFacts

NWP500 Series

Heat Pump Water Heaters

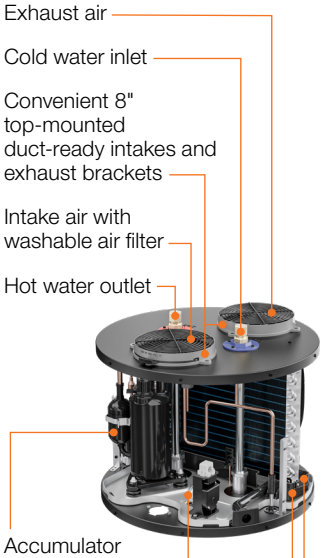
Product Features

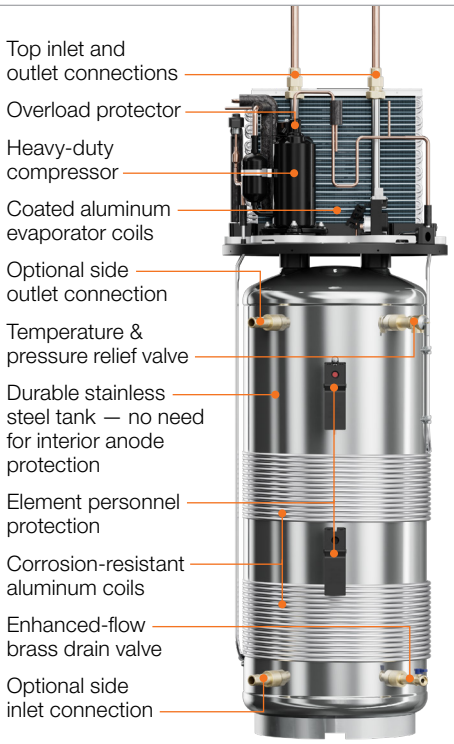
- Stainless steel tank and aluminum coils for improved durability.
- Designed to meet NEEA AWHS Tier 4 requirements.
- Top and side connection options.
- Easy-to-use control panel with multi-line LED display.
- Demand Response Ready with built-in EcoPort™ (CTA-2045 Port).
- Quiet operation, less than 45dBA.

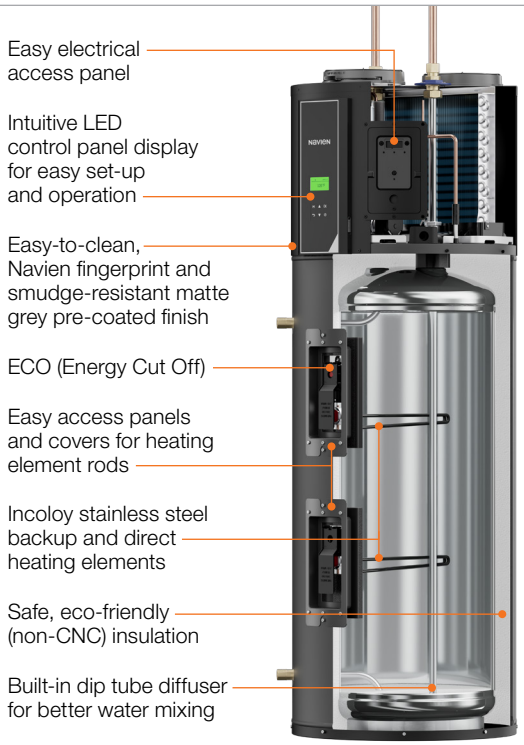
- Available in 3 models… 50-gallon, 65-gallon and 80-gallon
- Built-in audible condensate alarm and dry-fire water sensing
- 5 operating modes for maximum performance and efficiency: Energy Saver, Heat Pump, High Demand, Electric and Vacation
- Built-in Wi-Fi powered by NaviLink® with over-the-air software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

reddot winner 2025

The Inside Story: Stainless Steel Tank & So Much More







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					

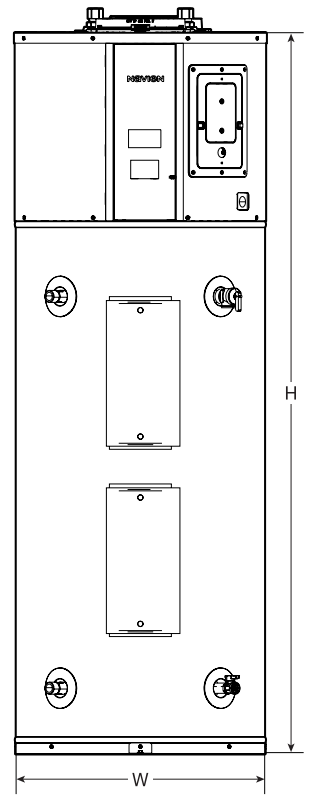
Navien reserves the right to change specifications at any time without prior notice.
Please refer to www.navieninc.com to verify you have the most current information.

Warranty

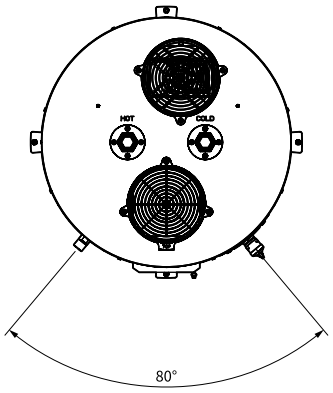
Model	Labor	Parts	Tank
NWP500-50	1 Year	10 Years	10 Years
NWP500-65			
NWP500-80			

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

Dimensions



Front View



Top View

Model	Width	Height
NWP500-50	21.7"	63"
NWP500-65	25"	63"
NWP500-80	25"	71.6"

We are @Navieninc everywhere

Navien, Inc. navieninc.com 800-519-8794
20 Goodyear, Irvine, CA 92618
Navien Canada, Inc. navieninc.ca 800-519-8794
555 Hanlan Rd., Unit 7, Vaughan, ON L4L 4R8

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