MNAVIEN

acts Series

Heat Pump Water Heaters

Product Features



Stainless steel tank and aluminum coils for improved durability.



Top and side connection options.



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



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

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









The Inside Story: Stainless Steel Tank & So Much More

| Exhaust air — | Top out |
|--|---------------------------|
| Cold water inlet | Ove |
| Convenient 8" top-mounted duct-ready intakes and | Hea |
| exhaust brackets | Coa eva |
| Intake air with washable air filter — | Opt |
| Hot water outlet | Ten pre |
| | Dur stee for pro |
| | Elei pro |
| Accumulator | Cor alur |
| Capacitor | Enh bra |
| Condensate sensor | |
| Condensate drain | Opt inle |

| Top inlet and outlet connections | |
|---|--|
| Overload protector | |
| Heavy-duty compressor | |
| Coated aluminum | |
| Optional side | |
| Temperature & pressure relief valve — | |
| Durable stainless steel tank — no need for interior anode protection | |
| Element personnel protection | |
| Corrosion-resistant —— aluminum coils | |
| Enhanced-flow | |
| Optional side nlet 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 | | | |
|-----------------------|------------------|--------------|---|-------------------|-----------------------------|--|
| | nems | | NWP500-50 | NWP500-65 | NWP500-80 | |
| Capacity & Efficiency | | iency | | | | |
| Nom | ninal capacity (| gallons) | 50 | 65 | 80 | |
| Rated | storage volume | e (gallons) | 45.2 | 63.2 | 76.1 | |
| UEF (| Uniform Energ | y Factor) | 3.85 | 4.03 | 4.05 | |
| Firs | t hour rating (g | allons) | 65 | 80 | 85 | |
| | AHRI numbe | r | 217191097 | 217191098 | 217191099 | |
| Pro | duct Genera | l Data | | | | |
| | nstallation loca | tion | Indoor | | | |
| | Water pressu | re | 15–150 psi | | | |
| | Cold | water inlet | | | | |
| | Hot w | ater outlet | | | | |
| Connectio | ons | Drain | 3/4" NPT | | | |
| size | T&P | relief valve | | | | |
| | Conde | ensate drain | | | | |
| | Heatir | ng element | 1" NPSM (thread per inch 11-1/2) | | | |
| Materials | (| Casing | Cold rolled carbon steel | | | |
| | s Stor | rage tank | Stainless steel | | | |
| | Co | ndenser | Aluminum coil | | | |
| Air in/out a | Ai | r intake | Ø8" | | | |
| Air in/out size | Air | exhaust | | | | |
| | Safety device | s | Condensate level sensor, ECO (Energy Cut Off) Temperature & Pressure (TP) relief valve | | | |
| | Shipping weig | ht | 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 Da | ta | | | | |
| | Power suppl | у | 208/240VAC, 60 Hz, 1 Phase | | | |
| | MCA | | 208V (25.9A) / 240V (28.8A) | | | |
| Circ | cuit breaker — | Amps | 30A | | | |
| | Wire size | | Up to 10 AWG (Suitable for 167°F [75°C]) | | | |
| (| Component D | ata | | | | |
| (| Compressor (L | RA) | 11.6A | | | |
| Fan motor (FLA) | | A) | 0.22A | | | |
| | Compres | sor (RLA) | 2.0A | | | |
| 208 V | Heating | Upper | 2.755\// | | | |
| | element | Lower | 3,755W | | | |
| | Compres | sor (RLA) | | 1.75A | | |
| 240 V | Heating | Upper | | 5,000W | | |
| | element | Lower | | , | | |
| Maximu | m pressure | Discharge | 2.654 MPa / 385 PSIG | | | |
| Suction | | | 1.724 MPa / 250 PSIG | | | |
| | Refrigerant cha | irge | 28.2 oz / 800 g | | | |
| | Certifications | S | | | CERTIFIED. Verdot winner 20 | |

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



Mavien