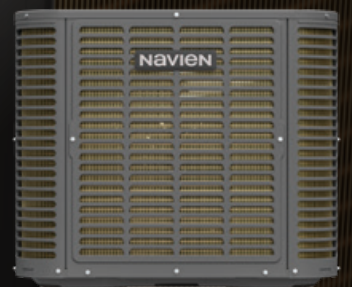


NEW NAA Air Conditioner

High-efficiency inverter-driven cooling system.
AHRI matched with NAM cased coils,
NAS air handlers and NPF Hydro-furnace



Introducing the NEW NAA Air Conditioner with capacity matching inverter-driven technology

The Navien NAA air conditioner delivers high-SEER, energy-efficient cooling and can be precisely tuned to suit local climate conditions for optimal performance and reduced energy consumption. When capacity-matched with an NAM cased coil and the NPF Hydro-furnace, homeowners benefit from advanced, reliable heating and cooling comfort year-round.



Energy-efficient with matches up to 18.0 SEER2.



Performs in outdoor temperatures from 5°F to 124°F (-15°C to 51°C).



Inverter driven variable-speed compressor.



Environmentally friendly R-454B low GWP refrigerant.



Compatible with single- or two-stage conventional thermostats.



Two outdoor units covering 1.5-5.0 ton applications.

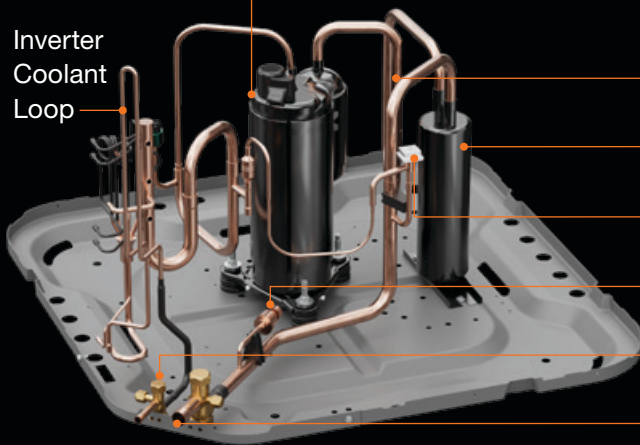


NAA Air Conditioner, an inside look

- Deep Drawn Venturi for quiet efficient air movement
- Swept Wing Fan Blades provide quiet operation
- Variable Speed ECM Fan Motor
- Gold Coat Outdoor Coil provides corrosion protection



- Compressor
- Inverter Coolant Loop
- High Pressure Switch
- Suction Accumulator
- Pressure Equalization Valve
- Pressure Sensor
- Liquid Service Valve
- Suction Service Valve



Operational

- Automatically adjusts to the system load using an inverter-driven compressor
- Works with conventional single- or two-stage thermostats
- Simple interface with Navien Indoor Coil and Air Handlers built-in refrigerant leak detection and mitigation control system
- Utilizes environmentally friendly R454B, low GWP refrigerant

Installation/Service

- Four independent extruded louver access panels provide easy access for thorough annual coil cleaning
- Factory charged for a 25ft. line set
- Removable Molex plug to simplify control voltage connections
- Refrigerant-cooled inverter for more efficient high ambient installations



NAA Air Conditioner, NAM Cased Coil and NPF Hydro-furnace: a complete HVAC solution



Maximized capacity matching system

Contractors and homeowners alike will appreciate the perfectly matched capacity for optimal performance and energy savings

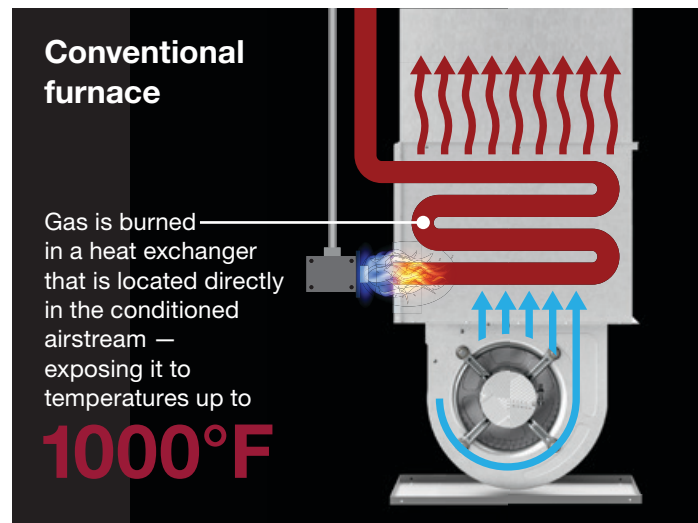
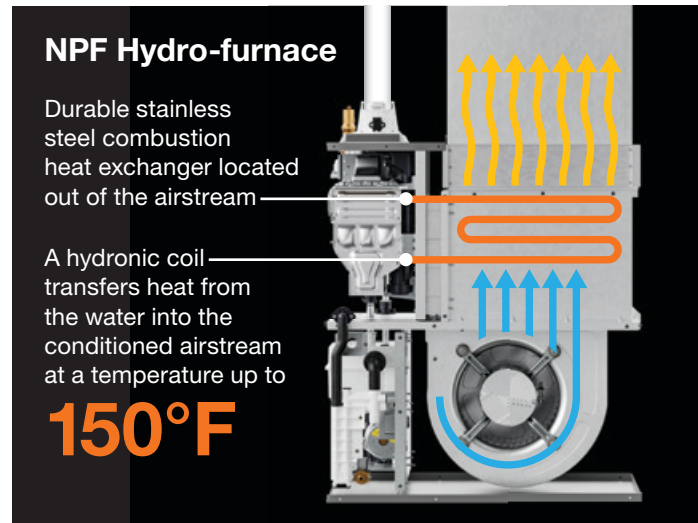
Engineered for simple installation in new or retrofit applications, the NAA uses eco-friendly R454B low-GWP refrigerant and a high-efficiency ECM variable-speed swept-wing fan blade to deliver quiet, energy-efficient performance.

NPF Hydro-furnace: heating comfort redefined









-  High-efficiency eco-friendly forced-air heating system.
-  Quiet performance and advanced airflow control.
-  Stainless steel hydronic combustion heat exchanger.
-  Variable-capacity operation maximizes comfort & efficiency.
-  Ultra-low NOx, complies with SCAQMD Rule 1111.
-  Upflow, downflow and horizontal left models.

In conventional gas furnaces, the combustion heat exchanger is located in the conditioned airstream, exposing air to high temperatures that tend to dry the air out. The NPF is different, it heats water in a sealed compartment, isolated from the airstream. The heated water is then circulated through a hydronic heat exchanger that safely, gently and quietly transfers the heat to the air using a high efficiency variable speed blower which results in less impact on humidity levels.



NAM Cased Coil



-  Multi-position for easy installation.
-  Thick foil-faced insulation for easy cleaning.
-  Full perimeter duct flange for air-tight installation.
-  Built-in refrigerant leak detection and mitigation control.
-  Corrosion-resistant aluminum DX refrigerant coil.
-  Corrosion- and heat-resistant polymer drain pans.

The NAM Cased Coils are AHRI matched with NAA Air Conditioners and NPF Hydro-furnaces. The NAM is provided in traditional widths to match conventional furnaces in retrofit installations. A2L sensor and mitigation control included.

NAS Series Air Handler



Multi-position for flexible installation.



Corrosion-resistant aluminum DX refrigerant coil.



Slide-out blower assembly for easy maintenance.



Variable speed and standard ECM versions.





5-20 kW field installed electric heat kits.



Built-in refrigerant leak detection and mitigation control.



The NAS Air Handler includes a blower, an aluminum DX coil with factory installed TXV, and an A2L sensor and mitigation control in a single package for efficient whole-house forced-air heating and cooling throughout a structure's ductwork.

NAS Air Handler specifications

| NASS (SECM) Constant torque | NASS24B | NASS36C | NASS48D | NASS59D |
|------------------------------------|---|------------------------------------|---|---|
| NASV (VSD) Constant CFM | NASV24B | NASV36C | NASV48D | NASV59D |
| Nominal capacity | 2 ton | 3 ton | 4 ton | 5 ton |
| Dimensions W x H x D, in (mm) | 17.5 x 43 x 21 (444 x 1092 x 533) | 21 x 48 x 21 (533 x 1219 x 533) | 24.5 x 58.8 x 21.75 (622 x 1494 x 552) | 24.5 x 58.8 x 21.75 (622 x 1494 x 552) |
| Refrigerant | R-454B | | | |
| Tube material | Aluminum | | | |
| Tube type | Rifled | | | |
| Fin material | Aluminum | | | |
| Fin type | Lanced | | | |
| 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.

NAM Cased Coil specifications

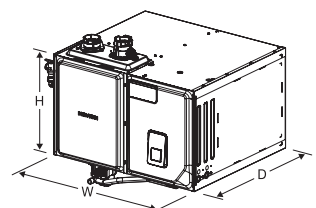
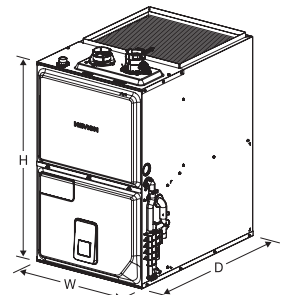
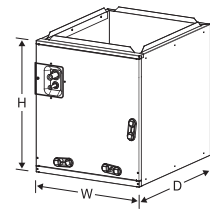
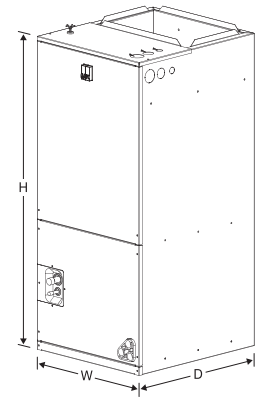
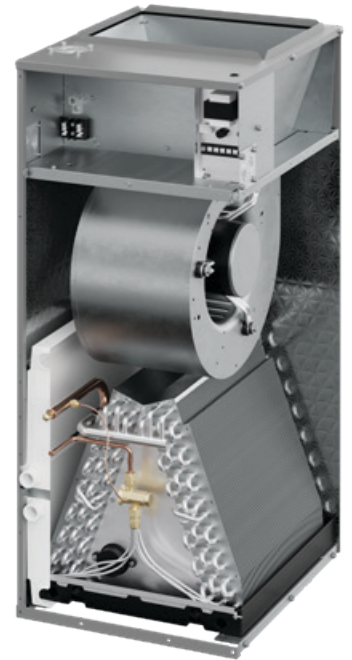
| Items | NAM24B | NAM36B | NAM36C | NAM48C | NAM59C | NAM59D |
|----------------------------------|---|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| Capacity | 2 ton | 3 ton | 3 ton | 4 ton | 5 ton | 5 ton |
| Dimensions W x H x D, in (mm) | 17.5 x 20 x 21 (445 x 508 x 533) | 21 x 20 x 21 (533 x 508 x 533) | 21 x 20 x 21 (533 x 508 x 533) | 21 x 35 x 21 (533 x 889 x 533) | 24.5 x 35 x 21 (622 x 889 x 533) | 24.5 x 35 x 21 (622 x 889 x 533) |
| Refrigerant | R-454B | | | | | |
| Tube material | Aluminum | | | | | |
| Tube type | Rifled | | | | | |
| Fin material | Aluminum | | | | | |
| Fin type | Lanced | | | | | |
| Certifications |   | | | | | |

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NPF700 Hydro-furnace specifications

| Installation Type | Upflow | NPF700-060U3BH | NPF700-080U3BH | NPF700-100U5CH |
|---------------------------|---|-----------------------|-----------------------|-----------------------|
| | Downflow | NPF700-060D3BH | NPF700-080D3BH | NPF700-100D5CH |
| Dimensions in (mm), WxDxH | 17.5 x 31 x 34.5(44.5 x 78.5 x 87.7) 21 x 31 x 34.5 (53.5 x 78.5 x 87.7) | | | |
| Installation Type | Horizontal Left | NPF700-060H3BH | NPF700-080H3BH | NPF700-100H5CH |
| Dimensions in (mm), WxDxH | 34.5 x 31 x 17.5 (87.7 x 78.5 x 44.5) 34.5 x 31 x 21 (87.7 x 78.5 x 53.5) | | | |
| Supports AC | 1.5-3.0 tons | | 3.0-5.0 tons | |
| Venting type | Forced draft direct vent or non-direct vent | | | |
| Maximum vent length | 2" | 70 ft. | | |
| | 3" | 140 ft. | | |
| Shipping weight lb (Kg) | 145.0 (65.8) | | 167.6 (76.0) | 145.0 (65.8) |
| Power supply | 120V AC, 60 Hz | | | |
| Max current (A) | 10.9 | | 14.3 | 10.9 |
| Circuit breaker amps (A) | 15 | | 20 | 15 |
| Wire size (AWG) | 14 | | 12 | 14 |
| 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.



NAA system matching performance data

| Indoor System Type | Match Setup | | | | Cooling Capacity (BTU/h) | Efficiency | |
|-----------------------------|-------------|----------------|----------------|------------|--------------------------|-------------------|--------------------|
| | Capacity | ODU | IDU | Cased Coil | | EER2 ¹ | SEER2 ² |
| Constant torque Air Handler | 2 Ton | NAA17V36 | NASS24B2T2A1 | – | 24,000 | 11.5 | 17 |
| | 3 Ton | NAA17V36 | NASS36C2T2A1 | – | 33,000 | 10.5 | 15.2 |
| | 4 Ton | NAA17V60 | NASS48D2T2A1 | – | 45,000 | 11 | 16.5 |
| | 5 Ton | NAA17V60 | NASS59D2T2A1 | – | 50,000 | 10 | 15.5 |
| Variable speed Air Handler | 2 Ton | NAA17V36 | NASV24B2T2A1 | – | 24,000 | 11.5 | 17.5 |
| | 3 Ton | NAA17V36 | NASV36C2T2A1 | – | 33,000 | 10.5 | 17.5 |
| | 4 Ton | NAA17V60 | NASV48D2T2A1 | – | 45,000 | 10.5 | 18 |
| | 5 Ton | NAA17V60 | NASV59D2T2A1 | – | 50,000 | 10.2 | 17.5 |
| NPF furnace and Cased Coil | 2 Ton | NAA17V36 | NPF700-060D3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 2 Ton | NAA17V36 | NPF700-060H3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 2 Ton | NAA17V36 | NPF700-060U3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 2 Ton | NAA17V36 | NPF700-080D3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 2 Ton | NAA17V36 | NPF700-080H3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 2 Ton | NAA17V36 | NPF700-080U3BH | NAM24B2TA1 | 24,000 | 11.5 | 18 |
| | 3 Ton | NAA17V36 | NPF700-060D3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-060D3BH | NAM36C2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-060H3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-060H3BH | NAM36C2TA1 | 33,000 | 10 | 17.3 |
| | 3 Ton | NAA17V36 | NPF700-060U3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-060U3BH | NAM36C2TA1 | 33,000 | 10 | 17.3 |
| | 3 Ton | NAA17V36 | NPF700-080D3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-080D3BH | NAM36C2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-080H3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-080H3BH | NAM36C2TA1 | 33,000 | 10 | 17.3 |
| | 3 Ton | NAA17V36 | NPF700-080U3BH | NAM36B2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-080U3BH | NAM36C2TA1 | 33,000 | 10 | 17.3 |
| | 3 Ton | NAA17V36 | NPF700-100D5CH | NAM36C2TA1 | 33,000 | 10 | 17.5 |
| | 3 Ton | NAA17V36 | NPF700-100H5CH | NAM36C2TA1 | 33,000 | 10 | 16.8 |
| | 3 Ton | NAA17V36 | NPF700-100U5CH | NAM36C2TA1 | 33,000 | 10 | 17.3 |
| | 4 Ton | NAA17V60 | NPF700-100D5CH | NAM48C2TA1 | 45,000 | 10 | 17.3 |
| | 4 Ton | NAA17V60 | NPF700-100H5CH | NAM48C2TA1 | 45,000 | 10 | 17.5 |
| | 4 Ton | NAA17V60 | NPF700-100U5CH | NAM48C2TA1 | 45,000 | 10 | 17.5 |
| | 5 Ton | NAA17V60 | NPF700-100D5CH | NAM59C2TA1 | 50,000 | 9.8 | 16.5 |
| | 5 Ton | NAA17V60 | NPF700-100D5CH | NAM59D2TA1 | 50,000 | 9.8 | 16.5 |
| | 5 Ton | NAA17V60 | NPF700-100H5CH | NAM59C2TA1 | 50,000 | 9.8 | 16.5 |
| | 5 Ton | NAA17V60 | NPF700-100U5CH | NAM59C2TA1 | 50,000 | 9.8 | 16.5 |
| 5 Ton | NAA17V60 | NPF700-100H5CH | NAM59D2TA1 | 50,000 | 9.8 | 16.5 | |
| 5 Ton | NAA17V60 | NPF700-100U5CH | NAM59D2TA1 | 50,000 | 9.8 | 16.5 | |

Performance data subject to change. Check www.ahridirectory.org for latest information.

¹Energy Efficiency Ratio; Certified per AHRI 210/240.

²Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240.



Homeowners will appreciate the perfect pairing of the NAA Air Conditioner with the NAM Cased Coil and the NPF Hydro-furnace or NAS Air Handlers. This system delivers unrivaled comfort and automatically adjusts to optimize performance and reduce energy costs.

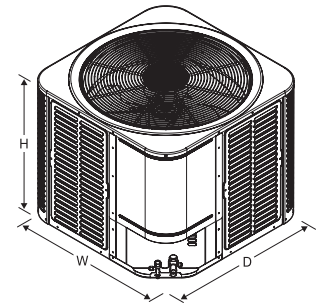
Customer service and advanced training



Besides supplying the most innovative and energy efficient systems for residential and commercial applications, Navien provides extensive field support, webinars and training events for builders, architects and contractors. Our full-time customer support network provides quick answers to installation and operational questions.

NAA Air Conditioner specifications

| Items | | Model | |
|-----------------------|--|---|---|
| | | NAA17V36 2 or 3 Ton | NAA17V60 4 or 5 Ton |
| Unit | Dimensions W x D x H, in (mm) | 29-1/8 x 29-1/8 x 25 (740 x 740 x 635) | 29-1/8 x 29-1/8 x 32-7/8 (740 x 740 x 835) |
| | Packing W x D x H, in (mm) | 29-7/8 x 29-7/8 x 29-3/8 (759 x 759 x 745) | 29-7/8 x 29-7/8 x 37-1/4 (759 x 759 x 945) |
| | Net/gross weight, lbs (kg) | 137/166 (62/75) | 185/214 (84/97) |
| | Sound rating level (dB(A)) | 78 at maximum capacity | |
| Thermostat type | | Conventional Single- or Two-stage | |
| Electrical data | Voltage (V) – Phase (Ph) – Hertz (Hz) | 230 – 1 – 60 | |
| | Minimum circuit ampacity (A) | 20 | 30 |
| | Max. overcurrent protection (A) | 30 | 45 |
| | Volts (V) min – max | 187 – 253 | |
| Compressor | Type | Rotary | |
| | Hz | 18–78 | |
| | Rated current RLA (A) | 12.8 | 20 |
| | LRA | 52 | 58.1 |
| Fan motor | Power supply | DC | |
| | RLA (A) | 1.8 | |
| | Maximum speed (rpm) | 1100 | |
| | HP | 1/4 | |
| Coil | FLA (A) | 1.8 | |
| | Number of rows | 2 | |
| | Tube outside diameter, in | 9/32 | |
| | Tube pitch x row pitch, in (mm) | 0.83 x 0.53 (21 x 13.5) | |
| Refrigerant system | Net face area, sq. ft. | 13.75 | 18.35 |
| | Refrigerant | R454B | |
| | Liquid line, in (mm) | 3/8 (9.5) | |
| | Vapor line, in (mm) | 3/4 (19) | 7/8 (22.2) |
| | Factory charge, oz | 111.1 | 155.2 |
| | Max line length, ft | 100 | |
| Operating temperature | Max vertical lift, ft | 50 | |
| | Cooling mode °F (°C) | 5–124 (-15–51.2) | |
| SEER2 | | Up to 18* | |
| EER2 | | Up to 11.5* | |
| Certifications | |   | |



Included parts



*With select AHRI matched indoor equipment.
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

| NAA17 – Coverage Table for Labor and Parts Only | | | |
|---|-----------------------------|--------------------------|------------|
| Application | | Residential ² | Commercial |
| Parts ¹ | Registered ³ | 10 years | 1 year |
| | Non-registered ⁴ | 5 years | |
| Labor | | 90 days | |

¹Refers to all internal functional components of the unit.
²Applies only to a single-family dwelling that services one (1) living unit. Any property converted or utilized to service two or more separate dwelling units, regardless of the municipal address, is automatically classified as a Commercial application and is subject to the reduced warranty period.
³Refers to coverages for units registered within 60 days of the Commencement Date.
⁴Refers to coverages for units registered 61 days or more after the Commencement Date; Secondary Owners.
Navien's warranty (which may be changed without prior notice) is subject to the terms and conditions found at www.navieninc.com/warranties.

NAA Air Conditioner sound ratings

| Capacity | Mode | Sound Power Level (dBA) Lw (AHRI 270 125–8000Hz) | Full Octave Sound Power Level (dBA) | | | | | | | |
|----------|------|---|-------------------------------------|------|------|------|------|------|------|--|
| | | | Center Frequency (Hz) | | | | | | | |
| | | | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| 3 ton | Low | 61 | 48 | 50.9 | 50.7 | 44.1 | 35.8 | 38.1 | 35.6 | |
| | High | 81 | 64 | 70.3 | 70.4 | 67.7 | 62.1 | 58.7 | 52.5 | |
| 5 ton | Low | 61 | 48.5 | 50.9 | 51.9 | 45.7 | 38.4 | 39.1 | 35.9 | |
| | High | 82 | 68.6 | 67.4 | 71 | 66.2 | 61.9 | 56.3 | 49.6 | |

Note: Tested by a 3rd party laboratory in accordance with AHRI Standard 270-2015 (not listed in AHRI).

We test our products in a sound laboratory specifically built to resemble a typical residence. Sound level recordings produced at steady state operation measured three feet from the furnace. Additional sound level information available at: www.ensafe.com/occupational-noise-exposure-key-osa-provisions.

Accessories and components are subject to change or discontinuation without notice. Images are for illustrative purposes only and actual products may vary based on current vendor availability. Navien reserves the right to substitute equivalent accessories or components from alternative vendors as necessary.
For the most up-to-date product information and current accessory availability, please visit www.navieninc.com or contact your local Navien representative.

We are @Navieninc everywhere



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