

NEW NAA Air Conditioner

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



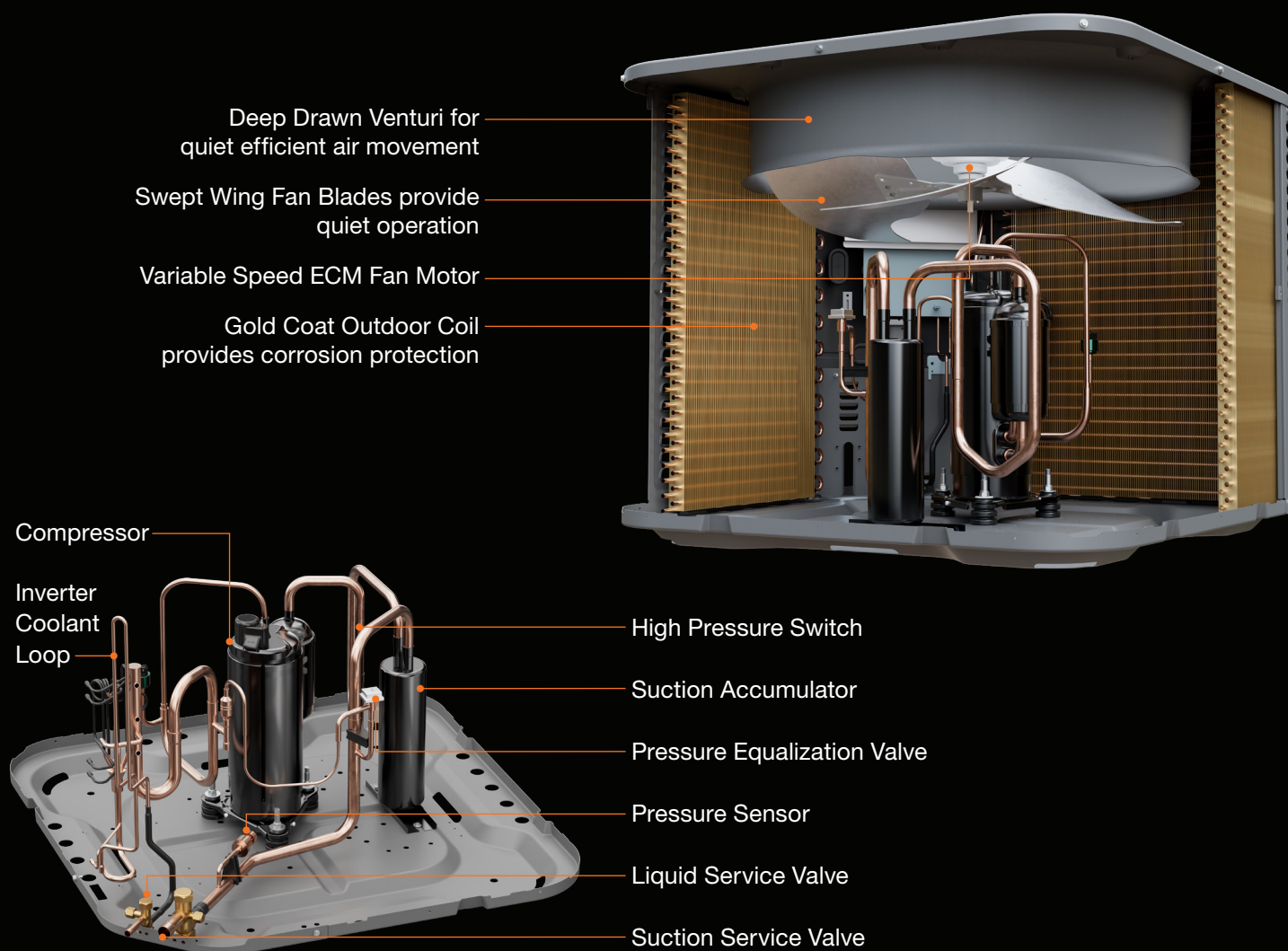
Compatible with
single- or two-stage
conventional thermostats.



Two outdoor units
covering 1.5-5.0 ton
applications.



NAA Air Conditioner, an inside look



Operational

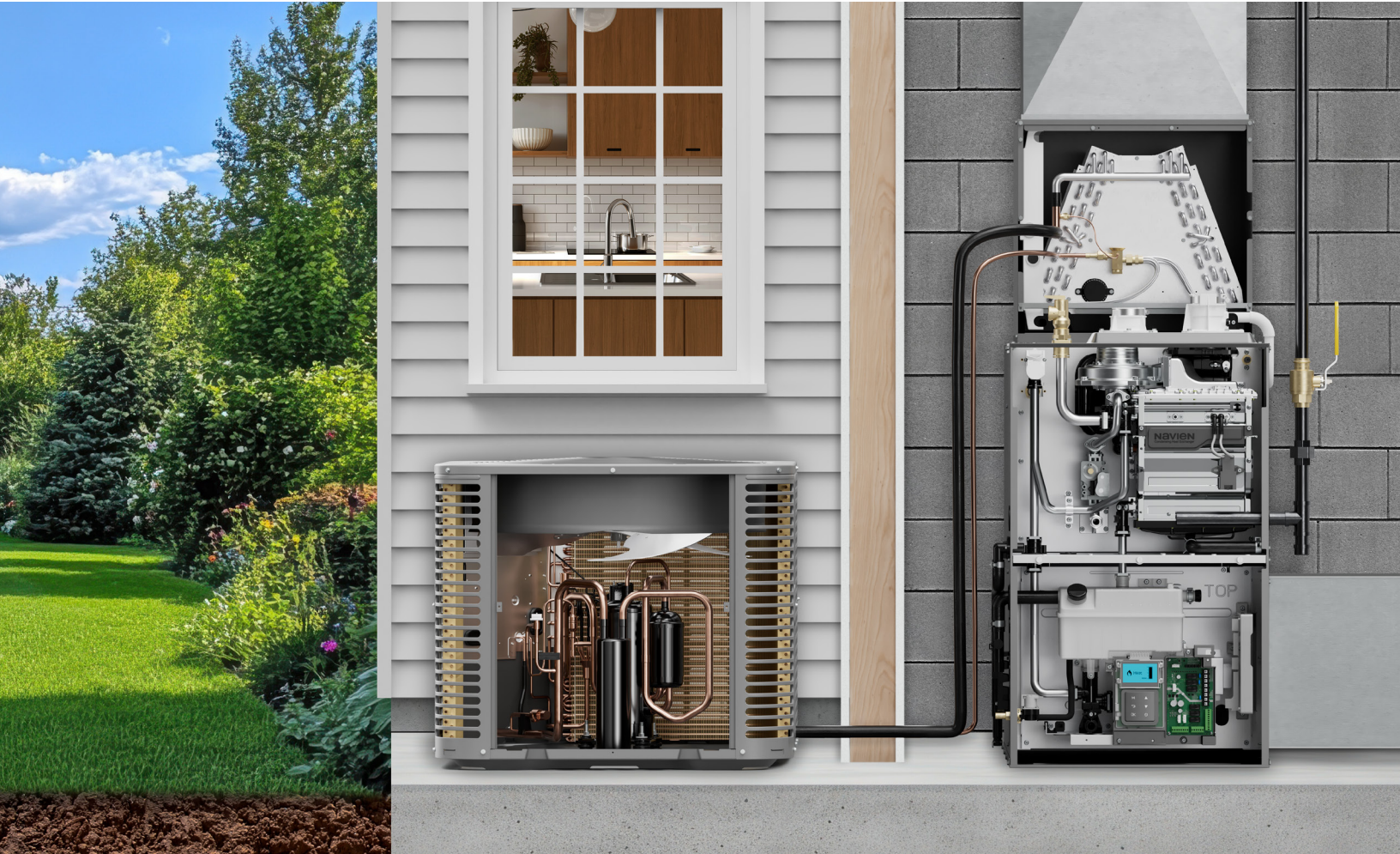
- Automatically adjusts to the system load using an inverter-driven compressor
- Works with conventional single- or two-stage thermostats
- Simple interface with Navien Indoor Coil and Air Handlers built-in refrigerant leak detection and mitigation control system
- Utilizes environmentally friendly R454B,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

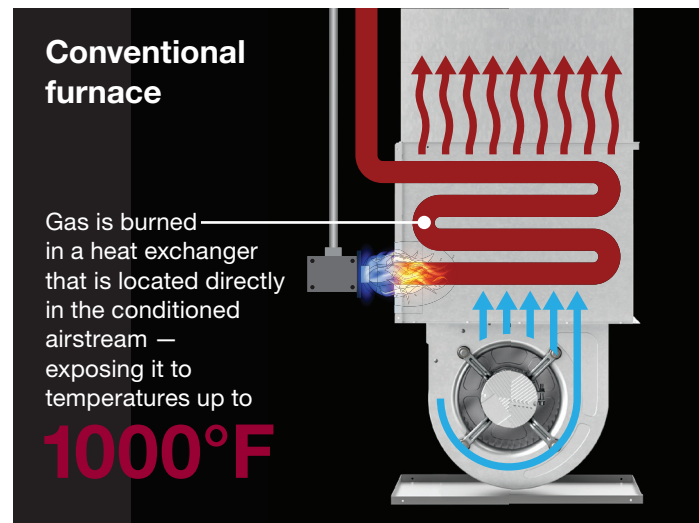
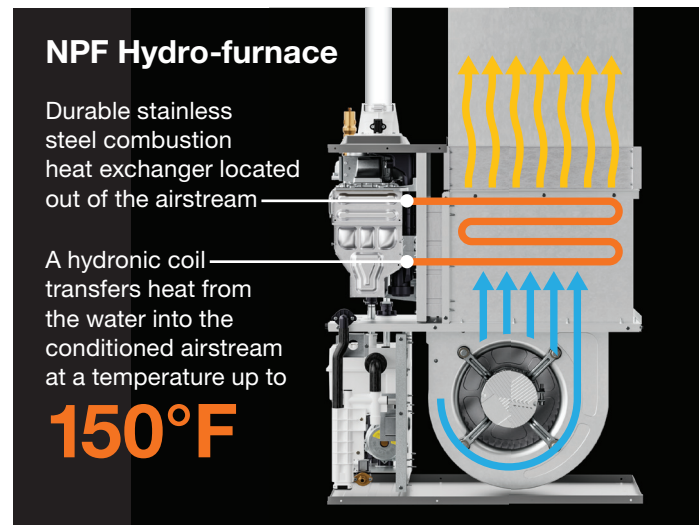


Ultra-low NOx, complies with SCAQMD Rule 1111.



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.

NDF Condensing 2-Stage Gas Furnace

Available in capacities ranging from 53k to 105k BTU/h, the NDF600 Series gas furnaces offer high-efficiency and reliable heating, even in cold-climate regions. The flexible design features integrated diagnostics and modular construction to simplify service. Each model is backed by exceptional customer service and a strong warranty.



96% AFUE with 2-stage operation minimizes temperature swings by adjusting between low and high fire.



Modular blower and heat exchanger assemblies for easy maintenance.



Zero clearance allows simple installation for closets or alcoves.



Dual-fuel compatibility optimizes energy savings when paired with a heat pump.



4-way multi-position installation: upflow, downflow, horizontal left and horizontal right.



Variable speed ECM motor simplifies airflow setup and helps reduce callbacks.

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.

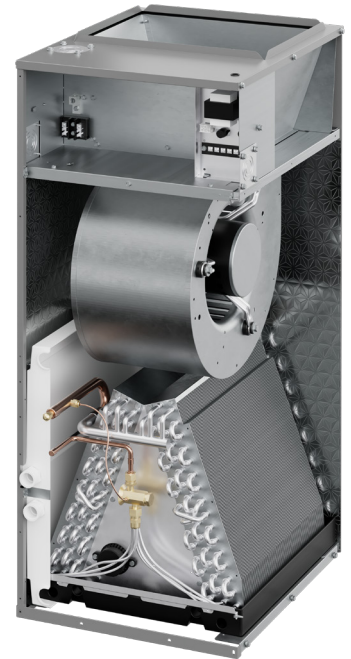


5–20 kW field installed electric heat kits.



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.



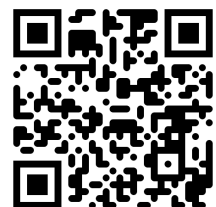
NAA System Matching Performance Data

For the latest AHRI system matches refer to the NAA tech guide at www.navieninc.com or www.AHRI.directory.org

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



www.navieninc.com

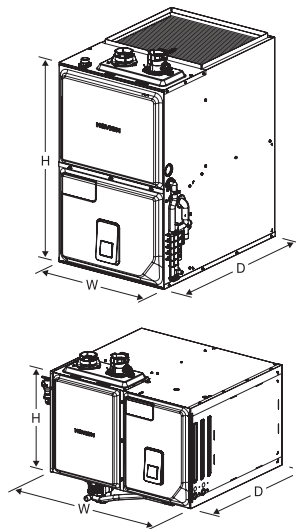


www.AHRI.directory.org

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.		
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.

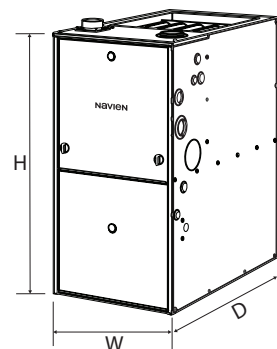


NDF600 Condensing 2-Stage Gas Furnace specifications

Items		NDF600-050M2V3B	NDF600-070M2V3B	NDF600-070M2V4C	NDF600-090M2V5C	NDF600-105M2V5C
Applications		Residential, light commercial				
Installation type		Upflow / horizontal right / horizontal left / downflow				
Venting type		Forced draft direct vent / non-direct vent				
Maximum vent length	2.0 in	75 ft				
	3.0 in	100 ft				
Electrical data	Volts/Hz/Phase	120 / 60 / 1				
	Max breaker or fuse	15 amp				
	Wire size	14 awg				
Unit dimensions	H x W x D – in (mm)	34 x 17.5 x 29.5 – (864 x 445 x 749)		34 x 22.5 x 29.5 – (864 x 572 x 749)		
Certifications		   				

**Applicable for all sides except top plenum.

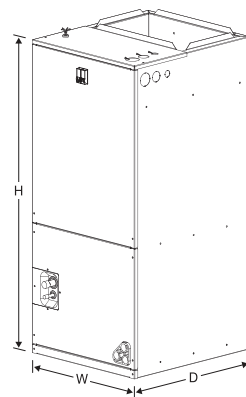
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NAS Air Handler specifications

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	 			

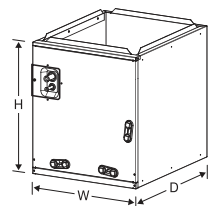
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NAM Cased Coil specifications

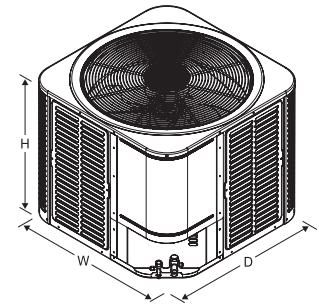
Items	NAM24B	NAM36B	NAM36C	NAM48C	NAM59C	NAM59D
Capacity	2 ton	3 ton	3 ton	4 ton	5 ton	5 ton
Dimensions W x H x D, in (mm)	17.5 x 20 x 21 (445 x 508 x 533)	21 x 20 x 21 (533 x 508 x 533)	21 x 35 x 21 (533 x 889 x 533)	24.5 x 35 x 21 (622 x 889 x 533)		
Refrigerant	R-454B					
Tube material	Aluminum	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

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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.

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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)	Full Octave Sound Power Level (dBA)						
			Center Frequency (Hz)						
		Lw (AHRI 270 125~8000Hz)	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-osh-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 navieninc.com or contact your local Navien representative.

We are @Navieninc everywhere



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