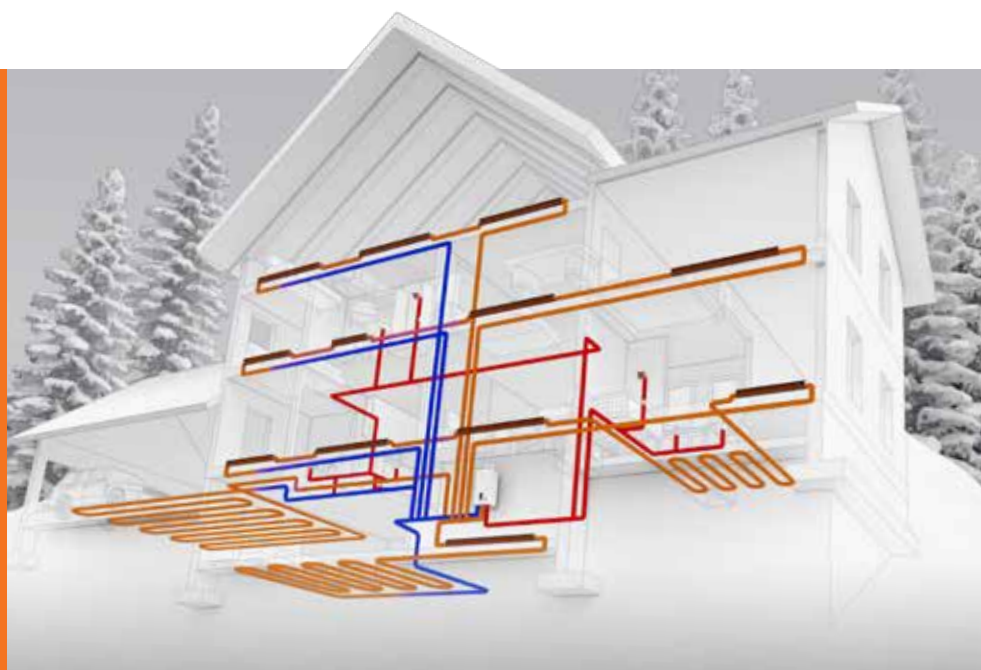
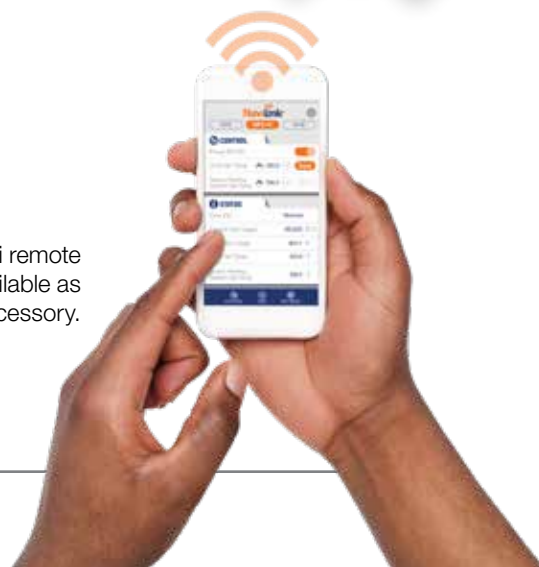


New NFC-H Condensing High Capacity Fire Tube Combi-boilers



The highest selling combi-boiler
brand goes even higher with
whole house heating and DHW

NaviLink® Wi-Fi remote
control system...available as
an add-on accessory.



NFC-H NAVIEN FIRE TUBE CONDENSING HIGH CAPACITY COMBI-BOILERS

Highest heating and
DHW performance
ever built into one
compact combi-boiler

Navien innovation, durability and proven fire tube technology has done it again. The new NFC-H has more heating and DHW capacities for today's larger progressive homes. Navien continues to reinvent smarter ways to bring high efficiency home comfort to your customers. Also, Navien continues to make installation and set-up easier for contractors.



**PATENTED
STAINLESS STEEL
HX FOR HEATING**

**SEPARATE
HIGHER FLOW
DHW HX**

**ADVANCED
USER INTERFACE**

**TDR UP TO
15:1 HTG
DHW**

**NG OR LP FIELD GAS
CONVERTIBLE**

**3 ZONES
VALVES or PUMPS**

**2" VENT UP TO
65 FEET & 3" VENT
UP TO 150 FEET**

**1/2" GAS CAPABILITY
UP TO 24 FT**

**AFUE
95.0%**

T H E L E A D E R I N C O N D E N S I N G T E C H N O L O G Y



Navien takes high efficiency fire tube combi technology to new heights

- **Highest** DHW maximum BTUs in residential combi-boilers... 210,000 per hour
- **Highest** DHW flow rate @ 70°F rise... up to 5.4 GPM
- **Highest** residential combi DHW 15:1 TDR
- **Highest** residential combi heating TDR... up to 15:1*
- **Highest** full lineup 2" venting lengths... up to 65 feet
- **Highest** number of built-in zone pump or zone valve connections: 3
- **Highest** number of cascade capable units with NPE tankless water heaters... up to 15
- **High altitude certification...** up to 10,100 feet (NG or LP)

*Based on NFC-250/200H.

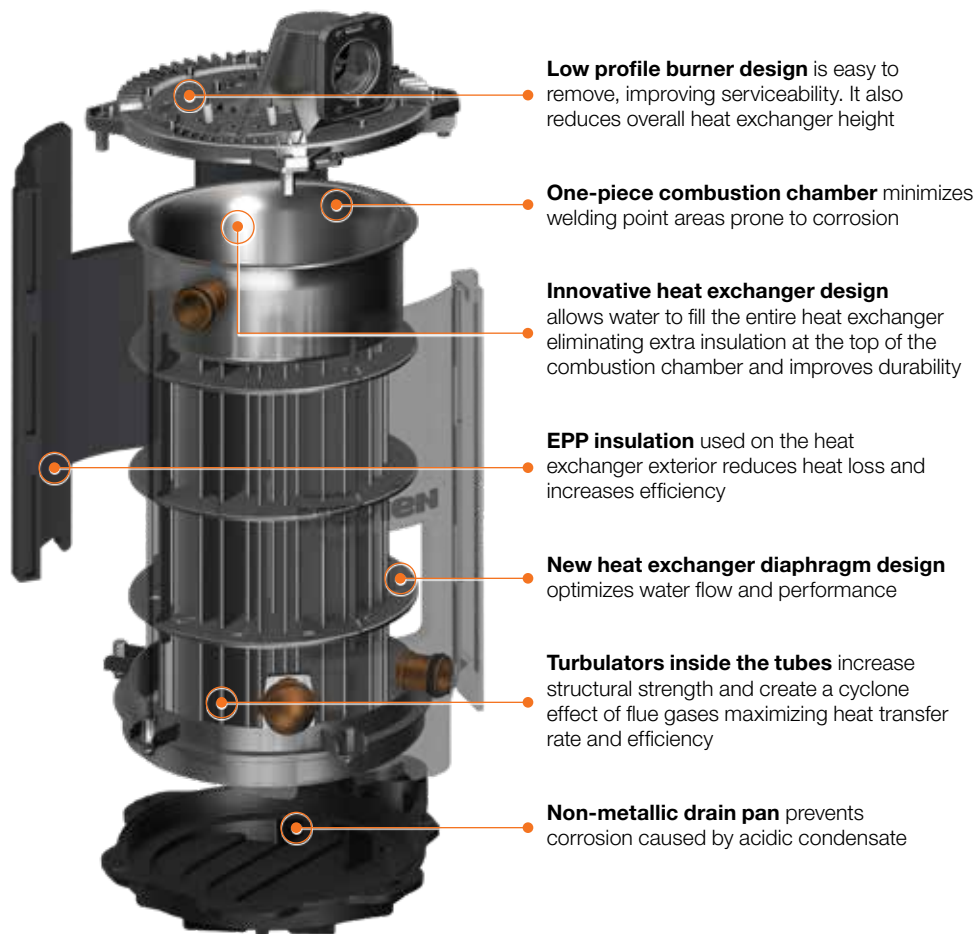


HEATING UP TO 199,900 BTU/H
DHW 210,000 BTU/H

COMPARE THESE ADVANTAGES AND SEE WHY NFC-H COMBI'S ARE THE RIGHT FIT FOR SMALL AND LARGE HOMES

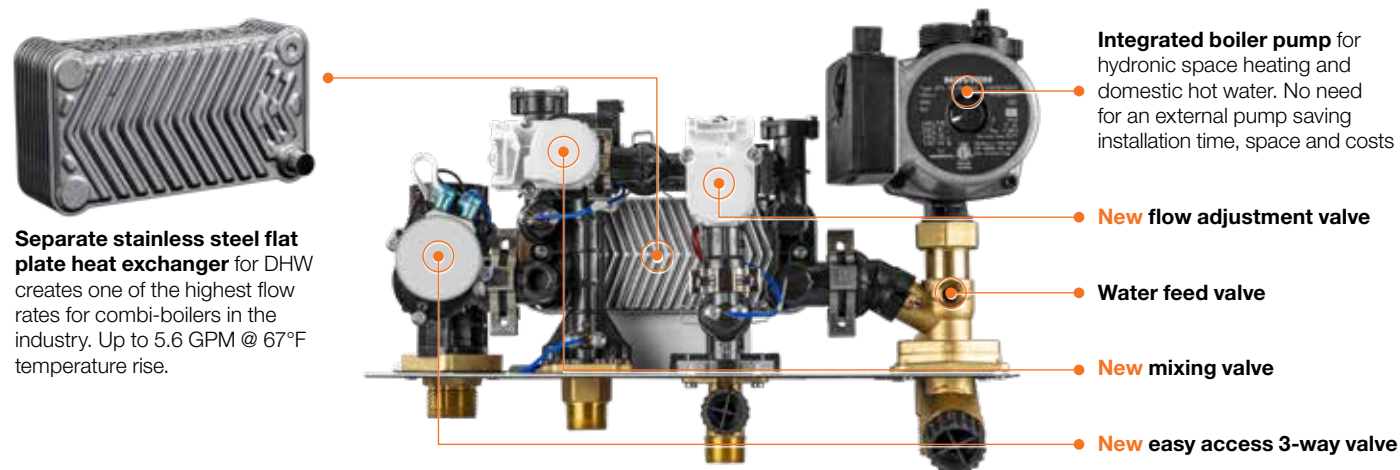
Patented stainless steel fire tube heat exchanger

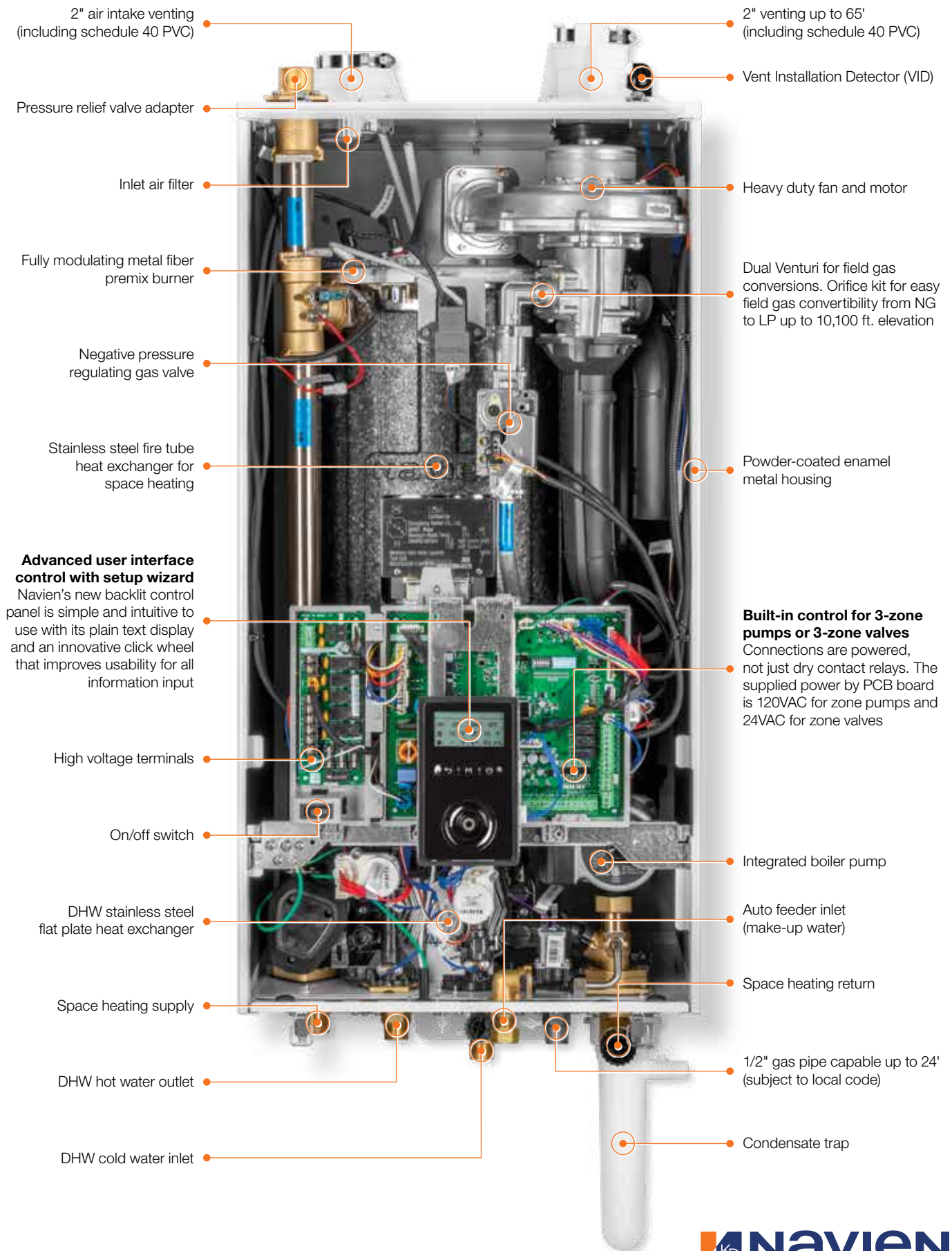
Navien's advanced patented stainless steel heat exchanger design is ASME-Certified, "H" Stamped, and reduces high stress point weld failures common on other combi-boilers. This compact, in-house designed and manufactured heat exchanger uses the latest automated laser welding technology to deliver superior product quality.



Built-in DHW module now with advanced performance

Navien's new innovative domestic hot water heat exchanger now generates even more hot water, giving customers the ability to run up to 3 showers and a dishwasher, all at the same time with up to 5.4 gallons per minute at a 67°F temperature rise.





MORE REASONS TO CHOOSE NFC-H FOR THE BEST ALL-IN-ONE HOT WATER SYSTEM



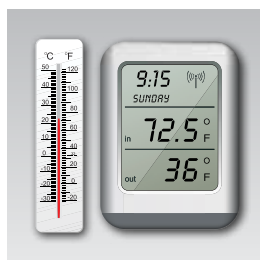
Dual inputs of 210,000 BTU/H for DHW and up to 199,900 BTU/H for heating

Satisfies all the space heating and domestic hot water requirements of most typical large homes.



Space saving and light weight design

Navien's sleek wall-hung combi-boilers occupy 80% less space than traditional floor standing boilers and tank water heaters.



TDR up to 15:1 for heating and for DHW

The sophisticated gas flow control system provides a high turndown ratio, reducing energy waste and excessive boiler cycling and enhances temperature control for DHW.



Low noise levels

Installations in or near media rooms, recreation rooms or any living areas of the house are possible with the quiet running NFC-H combi-boilers.



2" PVC venting and 1/2" gas pipe capability

Save time and effort in retrofit application with 2" PVC venting up to 65' or up to 150' with 3" venting. 1/2" gas lines for up to 24' also speeds up installations.

Safety vent sensor
Vent Installation Detector (VID).



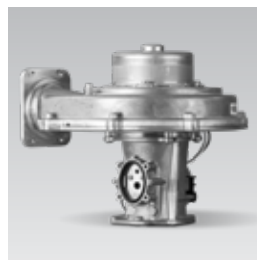
Expanded DHW capability

For increased domestic hot water flow demand, the NFC-H can be cascaded with up to 15 NPE tankless water heaters.



Easy access to DHW module and valves

All components of DHW module including water feed valve, flow adjustment valve, mixing valve and cartridge-style 3-way valve are right behind circuit board for easy serviceability.



Dual Venturi and field gas convertibility

Dual Venturi system creates better combustion control and turndown ratio. Field gas convertibility is easy with orifice conversion kits for NG high altitude (5,400–10,100 ft.) and LP (up to 10,100 ft.) included with NFC-H Series combi-boilers.



NFC-H combi-boiler accessories



Wi-Fi control

This add-on accessory will enable customers with smartphones and tablets to control temperatures remotely, access usage data and receive diagnostic notifications on NFC-H models.

PBCM-AS-001



DHW activation

At the push of a button, the HotButton® hot water system activates the DHW heat exchanger to heat water in the supply lines to provide hot water only when it's needed.

PZZZ-00046



Magnetic filtration system

Removes higher levels of iron oxides, sludge and debris with powerful magnetic filter.

GXXX001727



Anti-scale system

GXXX001725

PeakFlow® E replacement media

GXXX001726

PeakFlow® replacement media

GXXX001327



Pump controller

Allows control from 4 to 6 zone pumps and expansion of built-in NFC-H zoning.

2 Zones: PFMZ-02P-001

3 Zones: PFMZ-03P-001

4 Zones: PFMZ-04P-001

6 Zones: PFMZ-06P-001



Recirculation valve

NaviCirc™

PFFW-SXX-001

NaviCirc™ kit

30022965A



Combi-boiler primary manifold kit

This package includes new stainless steel manifold, system-matched isolation valves and PRV-air vent adapter.

30026576A



Common vent collar kit

Required for common venting the NFC-H with NPE tankless water heaters.

30014367B

Includes common vent collar damper, VID jumper cable and cascade cable. (GXXX000546)



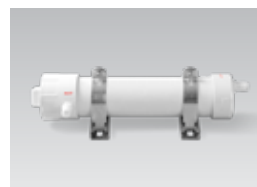
Commercial neutralizer

Commercial condensate neutralizer for up to 16 units (1 NFC-H and up to 15 NPE's).

GXXX001325

Commercial replacement media

GXXX001329



Light commercial neutralizer

Light commercial condensate neutralizer for up to 6 units (1 NFC-H and up to 5 NPE's).

GXXX001324

Lt. commercial replacement media

GXXX001328



Residential neutralizer kit

Residential condensate neutralizer for NFC-H series units designed to neutralize the condensate of one unit.

GXXX001322

Residential replacement media

GXXX001323



Cascade cable

Up to 15 NPE-A/S tankless water heaters.

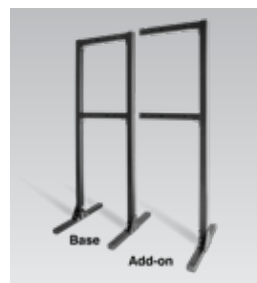
GXXX000546



Universal temperature sensor

Designed to sense supply, return or tank water temperature. Works with all NFC-H series combi-boilers.

GXXX001769



Ready-Link® rack base (V3) and add-on rack(s)

Base (V3)

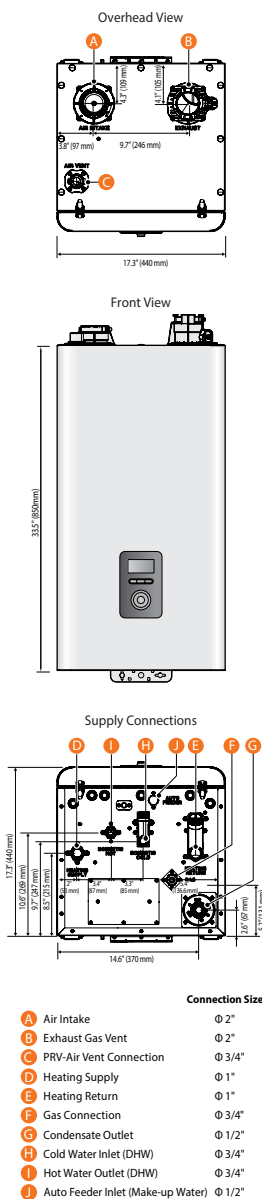
GFFMKDIZUS-005

Add-on (V3)

GFFMKDIZUS-006

Dimensions

Ratings & specifications



Navien Combination Condensing Boiler Space Heating Ratings						Other Space Heating Specifications		
Model Number ¹	Heating Input (BTU/H)		Heating Capacity ² (BTU/H)	Net AHR Rating Water ³ (BTU/H)	AFUE ² %	Water Pressure	Water Connection Size (Supply, Return)	Water Volume
	Min	Max						
NFC-250/175H	13,300	175,000	161,000	140,000	95.0	12–80 psi	1" NPT	4.5 gallons
NFC-250/200H	13,300	199,900	183,000	159,000	95.0			

¹ Ratings are the same for natural gas models converted to propane use.

² Based on U.S. Department of Energy (DOE) test procedures.

³ The net AHRI water ratings shown are based on a piping and pickup allowance of 1.15.

Consult Navien before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

Navien Combination Condensing Boiler Domestic Hot Water Ratings			Other Domestic Hot Water Specifications				
Model Number	Input Ratings (BTU/H)		Water Pressure PSI	Minimum Flow Rate GPM (L/m)	Flow Rate 45°F (25°C) Temp Rise GPM (L/m)	DHW Supply Connection Size	
	Min	Max				Supply	Return
NFC-250/175H	13,300	210,000	15–150	0.5 (1.9)	7.9 (30.0)	3/4" NPT	3/4" NPT
NFC-250/200H							

Item		Model	
		NFC-250/175H	NFC-250/200H
Dimensions		17.3" W x 17.3" D x 33.5" H	
Boiler weight		141 lb (64 kg)	
Boiler weight with water		170 lb (77 kg)	
Installation type		Indoor wall-hung	
Venting type		Forced draft direct vent	
Ignition		Electronic ignition	
Natural gas supply pressure (from source)		3.5" to 10.5" WC	
Propane gas supply pressure (from source)		8.0" to 13.5" WC	
Natural gas manifold pressure		-0.03" to -0.92" WC	
Propane gas manifold pressure		-0.02" to -0.77" WC	
Gas connection size		3/4" NPT	
Power supply	Main supply	120V AC, 60Hz	
	Maximum power consumption	Less than 15 amperes	
Materials	Casing	Cold-rolled carbon steel	
	Heat exchanger	Stainless steel	
Venting	Exhaust	2" or 3" PVC, CPVC, approved polypropylene 2" or 3" special gas vent type BH (Class III, A/B/C) 2" or 3" stainless steel	
	Intake	2" or 3" PVC, CPVC, polypropylene 2" or 3" special gas vent type BH (Class III, A/B/C) 2" or 3" stainless steel	
	Vent clearance	0" to combustibles	
Safety devices		Flame rod, APS, ignition operation detector, water temperature high limit switch, exhaust temperature high limit sensor, water pressure sensor, burner high limit fuse, vent installation detector (VID)	

NFC-250/175H and NFC-250/200H Series	
Temp. Rise °F (°C)	Flow Rate GPM (L/m) ¹
35 (19)	10.8 (40.9)
40 (22)	9.5 (35.8)
45 (25)	8.4 (31.8)
50 (28)	7.6 (28.6)
55 (31)	6.9 (26.0)
60 (33)	6.3 (23.8)
67 (37)	5.6 (21.4)
70 (39)	5.4 (20.4)
77 (43)	4.9 (18.6)
80 (44)	4.7 (17.9)
85 (47)	4.4 (16.8)
90 (50)	4.2 (15.9)
100 (56)	3.8 (14.3)

¹ Max GPM based on installation conditions.

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.

Heating input ranges

Model	Heating (BTU/H)	DHW (BTU/H)
NFC-250/175H	13,300–175,000	13,300–210,000
NFC-250/200H	13,300–199,900	13,300–210,000

Temperature setting ranges

Item	Temperature Setting Range °F (°C)	Remarks
Space heating	Supply 77–185 (25–85)	Actual supply and return temperatures vary depending on the selected outdoor reset curve.
	Return 68–158 (20–70)	
DHW	86–140 (30–60)	

Warranty

Type	Residential*	Commercial
Heat exchanger	10 years	5 years
Parts*	5 years	3 years
Labor	1 year	1 year

*Applies to single family residential locations.

For complete details please refer to the full warranty at Navieninc.com.



Navien Inc., 20 Goodyear, Irvine, CA 92618 800-519-8794 Navieninc.com



THE LEADER IN CONDENSING TECHNOLOGY