



# QuickFacts

## NFB-H Series Condensing Fire Tube Boilers

### Ratings & Specifications

	Model	
	NFB-175H	NFB-200H
	<b>Product Approvals</b>	
<b>CSA</b>	Yes	Yes
<b>SCAQMD 1146.2</b> (NOx, <20 ppm)	Yes	Yes
<b>ASME</b>	Yes "H" stamp	Yes "H" stamp
<b>AHRI Number</b>	206368828	206368829
<b>Energy Star</b>	Yes	Yes
	<b>Space Heating Ratings</b>	
<b>AFUE, %</b>	95.0	95.0
<b>Heating Capacity, BTU/H</b>	160,000	182,000

### Input Ranges

Model	Range (BTU/H)	TDR
NFB-175H	13,300-175,000	13.2:1
NFB-200H	13,300-199,900	15:1

### Warranty

Type	Residential*	Commercial
Heat exchanger	15 year limited warranty	10 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](http://Navieninc.com).

### Product Features

**PATENTED  
STAINLESS STEEL  
FIRE TUBE HX**

**ADVANCED  
USER INTERFACE**

**TDR UP TO  
15:1**

**3 ZONES  
VALVES or PUMPS**

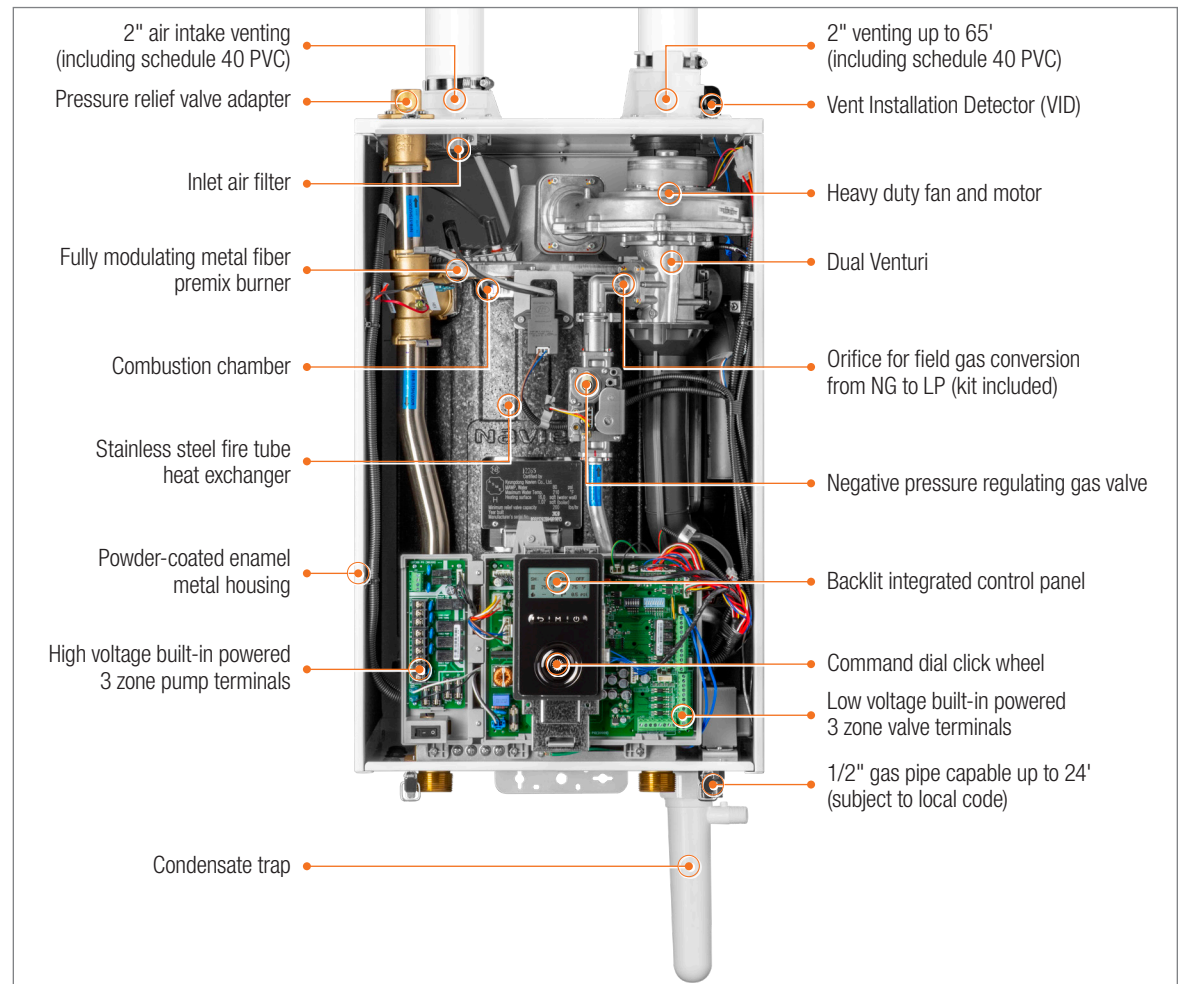
**NG<sup>OR</sup> LP  
FIELD GAS  
CONVERTIBLE**

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

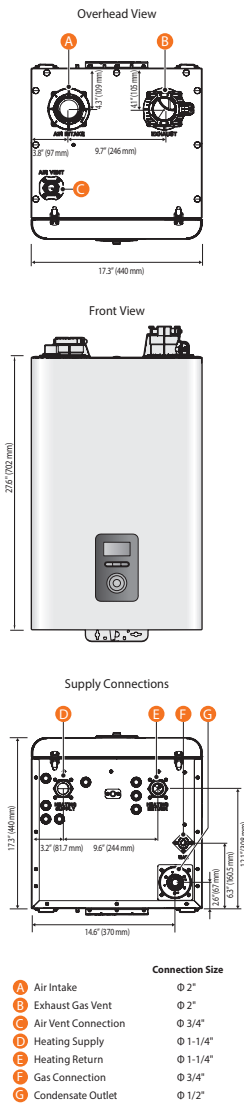
**AFUE  
95.0%**

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

### NFB-H: The Inside Story



## Dimensions



## Ratings & Specifications

Model Number <sup>1</sup>	Navien Condensing Boiler Space Heating Ratings				Other Specifications			
	Heating Input, (BTU/H)		Heating Capacity <sup>2</sup> (BTU/H)	Net AHRI Rating Water <sup>3</sup> (BTU/H)	AFUE <sup>2</sup> %	Water Pressure	Water Connection Size (Supply, Return)	Water Volume
	Min	Max						
NFB-175H	13,300	175,000	160,000	139,000	95.0	6–80 psi	1-1/4" NPT	4.5 gallons
NFB-200H	13,300	199,900	182,000	158,000	95.0			

<sup>1</sup> Ratings are the same for natural gas models converted to propane use.

<sup>2</sup> Based on U.S. Department of Energy (DOE) test procedures.

<sup>3</sup> 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.

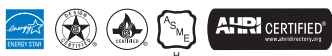
Item	Model	
	NFB-175H	NFB-200H
Dimensions	17.3" W x 17.3" D x 27.6" H	
Boiler weight	121 lb (55 kg)	
Boiler weight with water	148 lb (67 kg)	
Installation type	Indoor wall-hung	
Venting type	Forced draft direct vent	
Ignition	Electronic ignition	
Natural Gas supply pressure (from source)	3.5" to 10.5" WC	
Propane Gas supply pressure (from source)	8.0" to 13.0" WC	
Natural Gas manifold pressure	-0.03" to -0.70" WC	-0.03" to -0.85" WC
Propane Gas manifold pressure	-0.02" to -0.68" WC	-0.02" to -0.75" 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, vent installation detector (VID)	

Navien reserves the right to change specifications at any time without prior notice.

Please refer to Navieninc.com to verify you have the most current information.

## Accessories\*

<b>NaviLink® Wi-Fi Control PBCM-AS-001</b> NaviLink® Cable GXXX001659 NaviLink Lite Wi-Fi Control PBCM-AS-002	<b>NFB-H Primary Manifold Kit</b> (for single boiler) GFFM-MSOZUS-002	<b>Ready-Link® Rack Base (V4)</b> GFFM-KDIZUS-009 <b>Add-on (V4)</b> GFFM-KDIZUS-010	<b>NaviClean™ Magnetic Filter for Boilers</b> GXXX001727	<b>Residential Neutralizer (V2)</b> (1 unit) GXXX002212 <b>Residential Replacement Media</b> GXXX001323	<b>Commercial Neutralizer</b> (up to 6 units) GXXX002366 <b>Commercial Replacement Media</b> GXXX002368	<b>Lg. Commercial Neutralizer</b> (up to 16 units) GXXX002367 <b>Lg. Commercial Replacement Media</b> GXXX002369	<b>Ready-Link® Communication Cable</b> GXXX000546	<b>SmartZone+™ Pump Controller</b> <b>2 Zones</b> PFMZ-02P-001 <b>3 Zones</b> PFMZ-03P-001 <b>4 Zones</b> PFMZ-04P-001 <b>6 Zones</b> PFMZ-06P-001	<b>Universal Temperature Sensor</b> GXXX001769	<b>2" Common Vent Collar Kit</b> 30014367B Includes cascade cable (GXXX000546), common vent collar damper and VID jumper cable.



\*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.

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