



NFB-H Series

Condensing Fire Tube Boilers

Ratings & Specifications

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

Heating 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.

Product Features

PATENTED
STAINLESS STEEL
FIRE TUBE HX

ADVANCED
USER INTERFACE

TDR UP TO
15:1

3 ZONES
VALVES or PUMPS

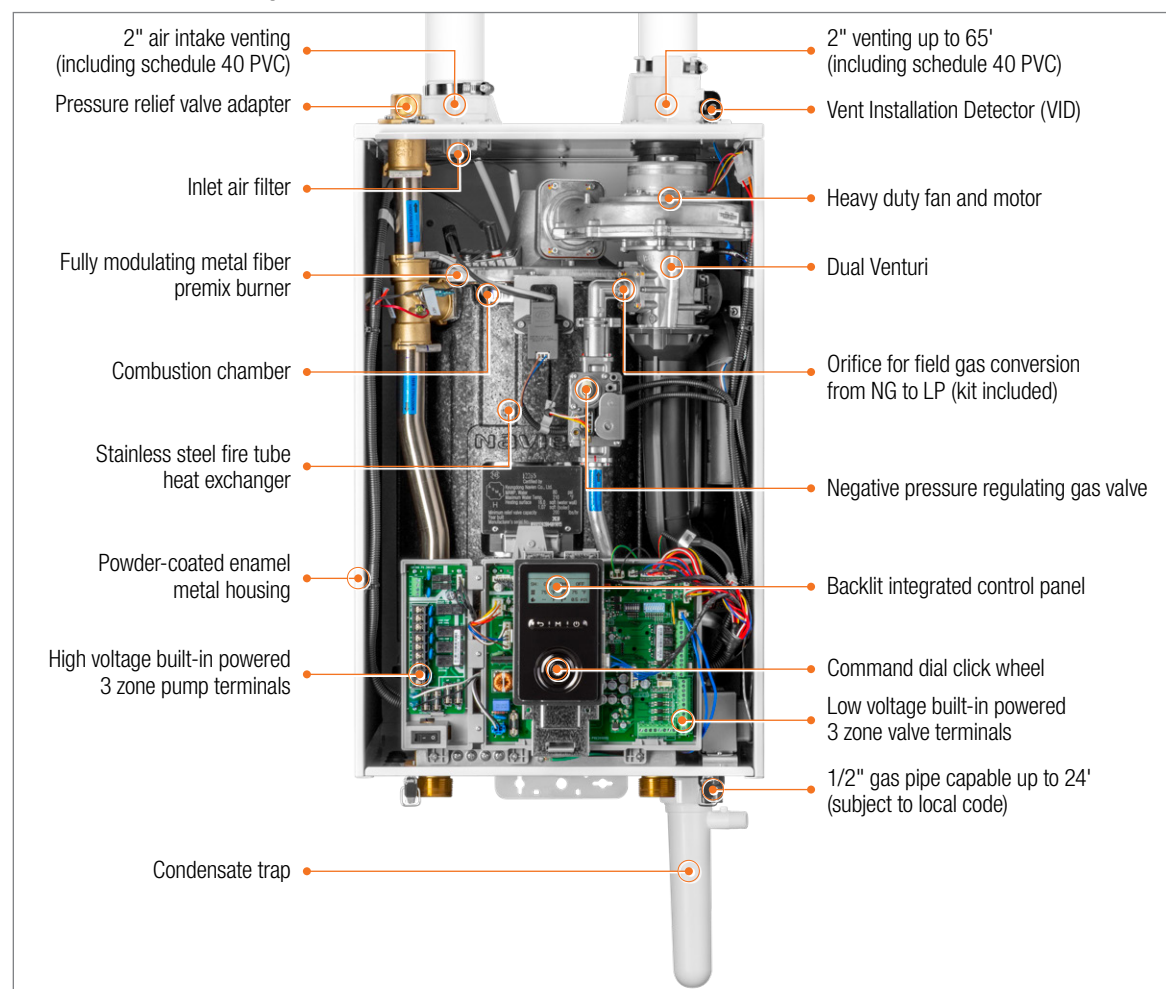
NG or LP FIELD GAS
CONVERTIBLE

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

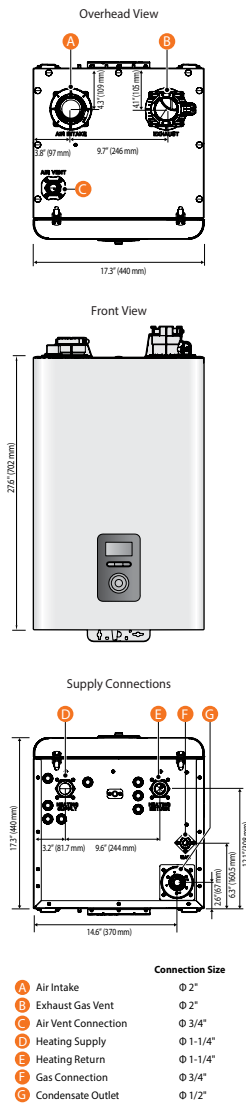
AFUE
95.0%

1 1/2" GAS CAPABILITY
UP TO 24 FT

NFB-H: The Inside Story



Dimensions



Ratings & Specifications

Navien Condensing Boiler Space Heating Ratings						Other Specifications		
Model Number ¹	Heating Input, (BTU/H)		Heating Capacity ² (BTU/H)	Net AHRI Rating Water ³ (BTU/H)	AFUE ² %	Water Pressure	Water Connection Size (Supply, Return)	Water Volume
	Min	Max						
NFB-175H	13,300	175,000	160,000	139,000	95.0	12–80 psi	1-1/4" NPT	4.5 gallons
NFB-200H	13,300	199,900	182,000	158,000	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.

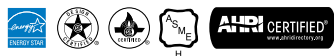
Item		Model	
		NFB-175H	NFB-200H
Dimensions		17.3" W x 17.3" D x 27.6" H	
Boiler weight		121 lb (55 kg)	
Boiler weight with water		148 lb (67 kg)	
Installation type		Indoor wall-hung	
Venting type		Forced draft direct vent	
Ignition		Electronic ignition	
Natural Gas supply pressure (from source)		3.5" 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

NaviLink® Wi-Fi Control PBCM-AS-001 NaviLink® Cable GXXX001659	NFB-H Primary Manifold Kit (for single boiler) GFFM-MSOZUS-002	Ready-Link® Rack Base (V3) GFFM-KDIZUS-005 Add-on (V3) GFFM-KDIZUS-006	NaviClean™ Magnetic Filter for Boilers GXXX001727	Residential Neutralizer (1 unit) GXXX001322 Residential Replacement Media GXXX001323	Light Commercial Neutralizer (up to 6 units) GXXX001324 Light Commercial Replacement Media GXXX001328	Commercial Neutralizer (up to 16 units) GXXX001325 Commercial Replacement Media GXXX001329	Ready-Link® Communication Cable GXXX000546	SmartZone+™ Pump Controller 2 Zones PFMZ-02P-001 3 Zones PFMZ-03P-001 4 Zones PFMZ-04P-001 6 Zones PFMZ-06P-001	Universal Temperature Sensor GXXX001769	2" Common Vent Collar Kit 30014367A Includes cascade cable (GXXX000546), common vent collar damper and VID jumper cable.



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