

QuickFacts



NFB Series Condensing Boilers

Navien certification summary

	Model	
	NFB-175	NFB-200
Product Approvals		
CSA	Yes	Yes
SCAQMD 1146.2 (NOx, <20 ppm)	Yes	Yes
ASME	Yes "H" stamp	Yes "H" stamp
AHRI Number	10579977	201786061
Energy Star	Yes	Yes
Space Heating Ratings		
AFUE, %	95.0	95.0
Heating Capacity, MBH	161	183

Gas input ranges

Model	Range (BTU/H)	TDR
NFB-175	17,500–175,000	10:1
NFB-200	19,900–199,900	10:1

Warranty

Type	Residential*	Commercial
Heat Exchangers	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

TDR 10:1

The sophisticated gas flow control system provides a high turn down ratio which reduces energy waste and excessive boiler cycling while also enhancing temperature control for DHW.

AFUE 95.0%

Recognized as the most efficient in 2018 by Energy Star — qualifies for rebates.

**2"–3" VENTING
LONG DISTANCES**

System can use 2" venting for up to 60', or up to 150' with 3" venting.

**ADVANCED
USER INTERFACE**

All system setup, operations and troubleshooting available at your fingertips with our backlit control panel.

**3 ZONES
VALVES or PUMPS**

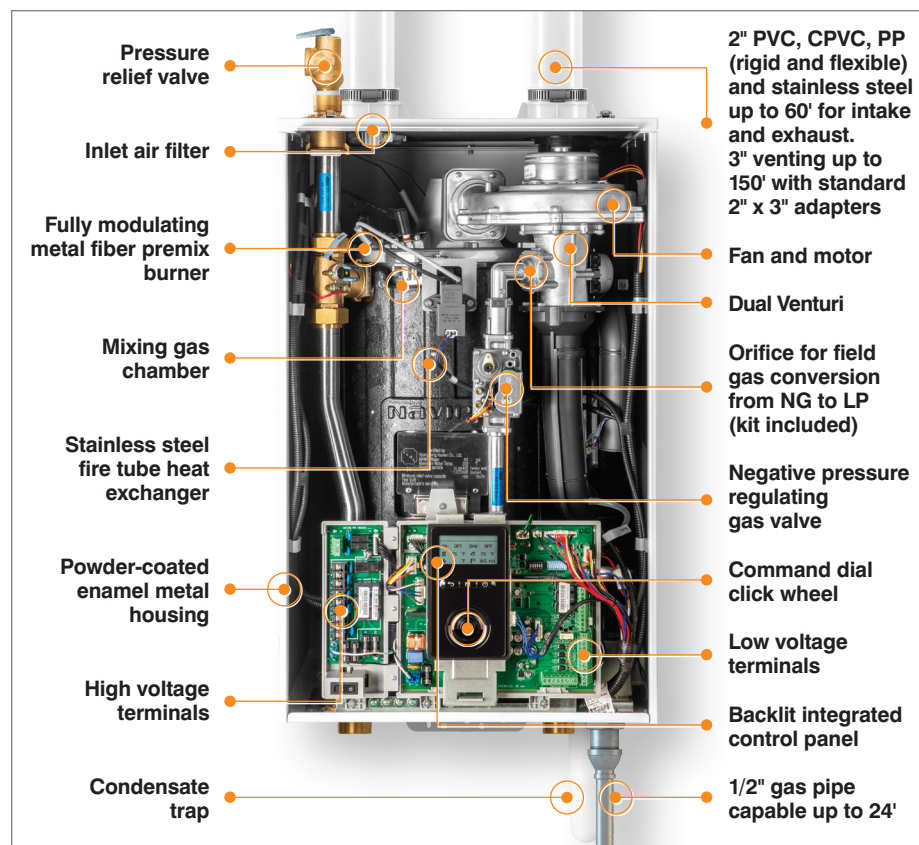
Internal circuitry connects boiler pump, 3 zone pumps or 3 zone valves.

**OPTIONAL
NaviLink
WI-FI CONTROL**

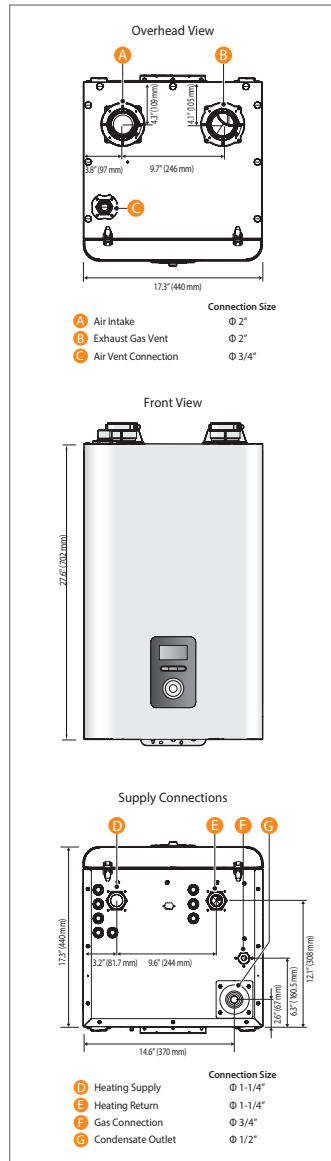
This add-on accessory enables access to control temperatures remotely, access usage data and receive diagnostic notifications via smartphone or tablet.

**Most Efficient
2018**
www.energy.gov

NFB: the inside story



Dimensions



Ratings & specifications

Navien Condensing Boiler Space Heating Ratings						Other Specifications	
Model Number ¹	Heating input (MBH)		Heating capacity ² (MBH)	Net AHR rating water ³ (MBH)	AFUE ² (%)	Water pressure ⁴	Water connection size (supply, return)
	Min	Max					
NFB-175	17.5	175	161	140	95	12–80 psi	1-1/4" NPT
NFB-200	19.9	199	183	159	95		

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.

⁴ 30 psi water pressure relief valve is included as standard.

Item	Model	
	NFB-175	NFB-200
Dimensions	17.3" W x 17.3" D x 27.6" H	
Weight	123 lb (56 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	-0.05" to -0.70" WC	-0.05" to -0.20" WC
Propane Gas manifold pressure	-0.10" to -0.68" WC	-0.10" to -0.45" 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 exchangers	Stainless steel
Venting	Exhaust	2" or 3" PVC, CPVC, PP and SS 2" or 3" special gas vent type BH (Class III, A/B/C)
	Intake	2" or 3" PVC, CPVC, PP and SS 2" or 3" special gas vent type BH, (Class III, A/B/C)
	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	

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.

Accessories

NaviLink™ Wi-Fi Control PBCM-AS-001 NaviLink™ Cable GXXX001659	NFB Primary Manifold Kit GFFM-MSOZUS-002	Ready-Link® Rack Base GFFM-KDIZUS-001 Add-on GFFM-KDIZUS-002	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	Cascade Cable GXXX000546	Zone 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	Common Vent Collar Kit 30014367A	Outdoor Sensor and Wire 30012950A



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