



Quick Facts

NHB-H Series

Condensing Boilers

Navien Certification Summary

	Model			
	NHB-55H	NHB-80H	NHB-110H	NHB-150H
	Product Approvals			
CSA	Yes	Yes	Yes	Yes
SCAQMD 1146.2 (NO _x , <20 ppm)	Yes	Yes	Yes	Yes
ASME	Yes "H" stamp	Yes "H" stamp	Yes "H" stamp	Yes "H" stamp
AHRI Number	213313053	213313054	213313055	213313056
Energy Star	Yes	Yes	Yes	Yes
Space Heating Ratings				
AFUE, %	95.0	95.0	95.0	95.0
Heating Capacity, MBH	51	74	102	138

Gas Input Ranges

Model	Range (BTU/h)	TDR
NHB-55H	8,000–55,000	7:1
NHB-80H	8,000–80,000	10:1
NHB-110H	10,000–110,000	11:1
NHB-150H	10,000–150,000	15:1

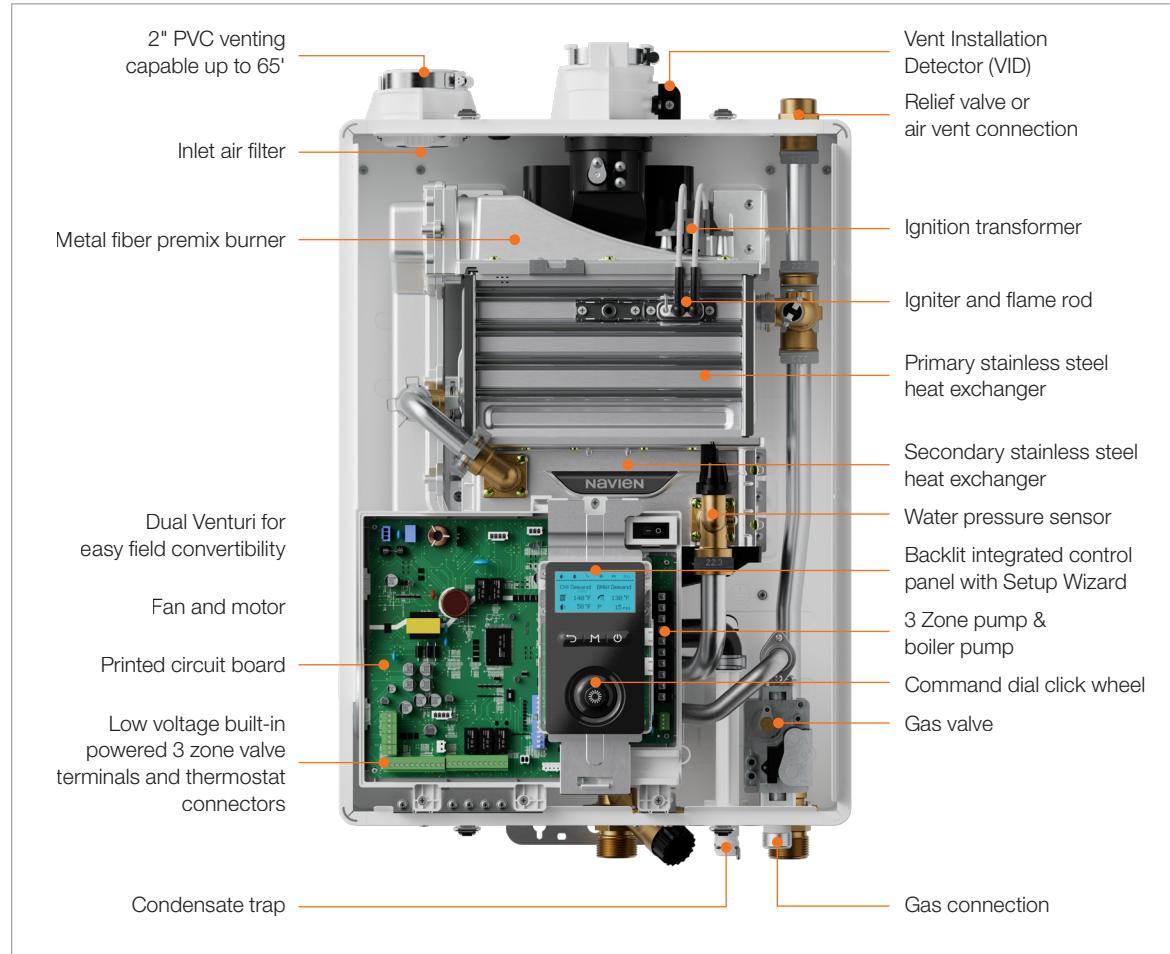
Warranty

Type	Residential*	Commercial
Heat exchangers	15 year limited warranty	10 year limited warranty
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.

NHB-H: The Inside Story



Product Features

DUAL STAINLESS STEEL HEAT EXCHANGERS

ADVANCED USER INTERFACE

TDR UP TO 15:1

2"- 3" VENTING LONG DISTANCES

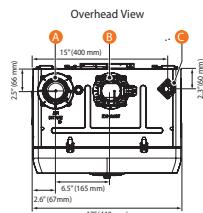
NG OR LP FIELD GAS CONVERTIBLE

3 ZONES VALVES OR PUMPS

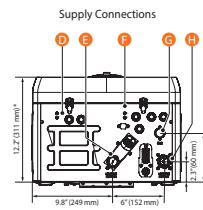
AFUE 95.0%

Dimensions

NHB-H Series



Front View



Connection Size	
A	Air Intake
B	Exhaust Gas Vent
C	Air Vent Connection
D	Rubber Grommet
E	Space Heating Return
F	Condensate Outlet
G	Gas Connection
H	Space Heating Supply

Ratings & Specifications

Navien Condensing Boiler Space Heating Ratings					
Model Number ¹	Heating Input BTU/h		Heating Capacity ² BTU/h	Net AHRI Rating Water ³ BTU/h	AFUE ² %
	Min	Max			
NHB-55H	8,000	55,000	51,000	44,000	95.0
NHB-80H	8,000	80,000	74,000	64,000	95.0
NHB-110H	10,000	110,000	102,000	89,000	95.0
NHB-150H	10,000	150,000	138,000	120,000	95.0

¹Ratings are the same for Natural Gas models converted to Propane use.

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

³The NET AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15.

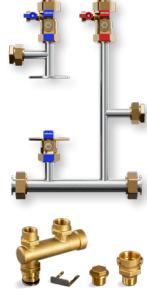
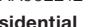
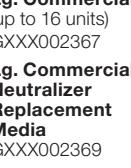
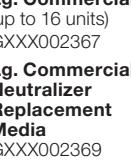
Consult Navien before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

Specifications

Item	NHB-55H	NHB-80H	NHB-110H	NHB-150H
Dimensions	17.3" (W) x 12.8" (D) x 23.8" (H)			
Weight	73 lbs (33 kg)	80 lbs (36 kg)		
Installation type	Indoor wall-hung			
Venting type	Forced draft direct vent			
Ignition	Electronic ignition			
Natural gas supply pressure (from source)	3.5"–10.5" WC			
Propane gas supply pressure (from source)	8.0"–13.5" WC			
Natural gas manifold pressure	-0.11" WC	-0.17" WC	-0.26" WC	-0.40" WC
Propane gas manifold pressure	-0.11" WC	-0.17" WC	-0.25" WC	-0.41" WC
Gas connection size	3/4" NPT (male)			
Power supply	Main supply 120V AC, 60Hz			
	Maximum power consumption Less than 10A			
Materials	Casing Cold rolled carbon steel			
	Heat exchangers Primary and secondary heat exchangers: stainless steel			
Venting	Exhaust 2" or 3" PVC, CPVC, PP, SS (see installation manual for more details) 2" or 3" special gas vent type BH (Class III, A/B/C)			
	Intake 2" or 3" PVC, CPVC, PP, SS 2" or 3" special gas vent type BH (Class III, A/B/C)			
	Vent clearances 0" to combustibles			
Safety devices	Flame rod, APS, gas valve operation detector, ignition operation detector, water temp high limit switch, exhaust temp high limit sensor, Vent Installation Detector (VID)			
Certifications	 			

Navien reserves the right to change specifications at any time without prior notice. Please refer to [Navieninc.com](http://navieninc.com) to verify you have the most current information.

Accessories

NaviClean™ Magnetic Filter GXXX001727		Plumb Easy Valve Set 1" Standard 30010950A		Ready-Link® Communications Cable GXXX000546		Universal Temperature Sensor GXXX001769		Common Vent Collar Kit 30014367B (Includes Cascade Cable)		Ready-Link® Rack Base (V4) GFFM-KDIZUS-009
NHB-H Primary Manifold Kit GXXX002396		NaviLink® Lite Wi-Fi Control (1 unit) PBCM-AS-002		Residential Neutralizer (V2) (1 unit) GXXX002212		Commercial Neutralizer (up to 6 units) GXXX002366		Zone Pump Controller 2 Zones: PFMZ-02P-001		Ready-Link® Rack Add-on (V4) GFFM-KDIZUS-010
				Residential Neutralizer Replacement Media GXXX001323		Commercial Neutralizer Replacement Media GXXX002368		3 Zones: PFMZ-03P-001		
				Lg. Commercial Neutralizer (up to 16 units) GXXX002367		Lg. Commercial Neutralizer Replacement Media GXXX002369		4 Zones: PFMZ-04P-001		
								6 Zones: PFMZ-06P-001		

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We are @Navieninc everywhere



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