

NFB-C Commercial Condensing Fire Tube Boiler

Submittal

Model NFB-301C (301,000 Btu/hr.)

Model NFB-399C (399,000 Btu/hr.)

Job Name: _____

Location: _____

Engineer: _____

Wholesaler: _____

Sales Rep: _____

Contractor: _____

Model: _____ **Gas Type (NG/LP):** _____ **Input (BTU/HR):** _____ **Output (BTU/HR):** _____

Notes: _____

Boiler Standard Features

- Stainless Steel Heat Exchanger, ASME “H”, with Non-Metallic Condensate Collector Base
- Cold-rolled Carbon Steel Casing
- 97.5% TE
- Fully Modulating Burner with 15:1 Turndown Ratio
- Low NOx (<20ppm)
- 160 PSI ASME Max Pressure
- 50 PSI ASME Relief Valve
- Direct Spark Ignition
- Variable Speed Blower
- Dual Venturi Mixing System
- Negative Pressure Gas Valve
- Wall Mounting Bracket
- LP Gas Conversion Kit
- Outdoor Temperature Sensor
- Universal Temperature Sensor
- Condensate Trap
- Air Vent

Venting

- Vertical or Horizontal Direct Venting, Non-Direct Venting
- 3 in. up to 60 ft. and 4 in. up to 150 ft. using PVC, CPVC, PP or SS Vent Materials.
- Common Venting up to 4 Boilers
- Vent Termination Caps
- Wall Flanges

Boiler Optional Accessories

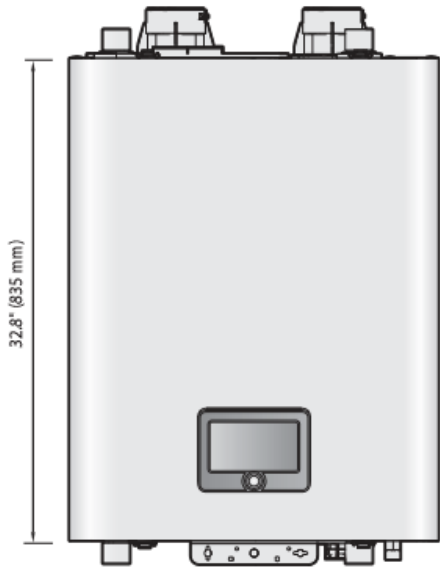
- Condensate Neutralizer Kit
- Zone Controllers
- NaviLink™ Wi-Fi Control
- Ready-Link® Boiler and Pipe Support System
- 75 PSI Pressure Relief Valve
- 150 PSI Pressure Relief Valve
- Common Vent Collar with Cascade Cable
- Modbus, BACnet and LonWorks gateway

Controls

- 7 in. Touch Screen Color Display
- LWCO with Manual Reset
- High Temperature Limit Control with Manual Reset
- CSA, UL Certified Controls
- Freeze Protection
- Outdoor Reset
- Warm Weather Shutdown
- Air Handler Interface
- 4 Circulator Outputs
- Cascading up to 16 boilers
- Remote Access via Navi-Link Mobile Application

Warranties

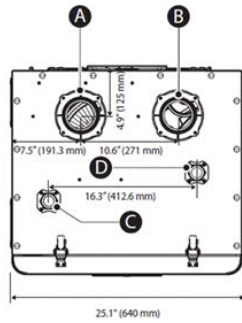
- 15 yrs. Residential and 10 yrs. Commercial Heat Exch. Warranty
- 5 yrs. Residential and 3 yrs. Commercial Parts Warranty
- 1 yr. Labor Warranty



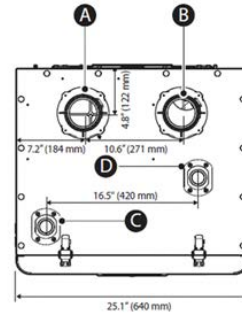
Supply Connections

	Description	Diameter	
		NFB-301C	NFB-399C
A	Air Intake	3 in	
B	Exhaust Gas Vent	3 in	
C	PRV-Air Vent Connection (Optional Heating Supply)	1 1/4 in	1 1/2 in
D	Optional Heating Return	1 1/4 in	1 1/2 in
E	Heating Supply	1 1/4 in	1 1/2 in
F	Condensate Outlet	3/4 in	
G	Heating Return	1 1/4 in	1 1/2 in
H	Gas Connection	3/4 in	

Overhead View

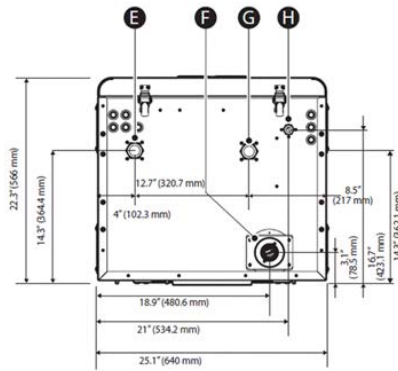


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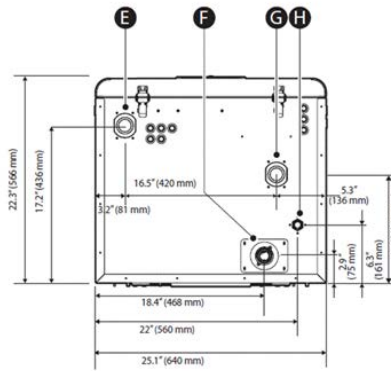


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Supply Connections



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Navien Commercial Condensing Boiler Space Heating Ratings						Other Specifications		
Model Number ¹	Heating Input (MBH)		Gross Output ² (MBH)	Net AHRI Rating Water ³ (MBH)		Thermal Efficiency ² (%)	Boiler Water Content (Gallons)	Water Pressure
	Min.	Max.						
NFB-301C	20	301	293	255	97.5	7.6	12-160 psi	1 1/4 in NPT
NFB-399C	26	399	389	338	97.5	9.6		1 1/2 in NPT