



# OIL-FIRED 3-PASS WATER BOILER

## EXCELSIOR EXB CAST IRON



### UP TO 87% AFUE EFFICIENCY

The Excelsior EXB features an even more compact design than its predecessor for even easier installation. The unit features a High Limit Control with LED Display, easy to program Dial Settings, Boiler Water Temperature Reset and Low Water Cut Off functionality.

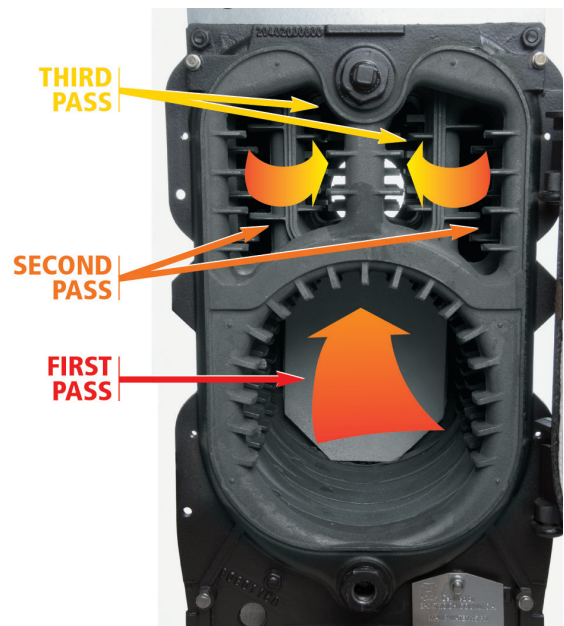
Wide flue ways, flexible oil line, dual hinged swing door with left or right mount option, site glass and a test port make the EXB easy to service.

EXB's low mass design is eco-friendly too, with AFUE efficiencies as high as 87% and low standby losses.



### EXB FEATURES

- Advanced High Efficiency 3-Pass Heat Exchanger
  - Multiple firing rates
- 87% AFUE Models Qualify for ENERGY STAR®
- 105 MBH - 252 MBH
- High Limit Control with:
  - LED display
  - Easy to program dial settings
  - Boiler Water Temperature Reset
  - Low Water Cut Off functionality
- Compact Footprint
- Burners and Venting Options (Burner cover standard)
- 20 Year Non-prorated Limited Warranty
- Innovative American Manufacturing



## RATINGS

MODEL	AHRI CERTIFIED RATINGS					DIMENSIONS							
	Firing Rate GPH	Input MBH <sup>(1)</sup>	Heating Capacity MBH <sup>(1)(2)</sup>	Net AHRI Rating MBH <sup>(1)(3)</sup>	Efficiency AFUE% <sup>(2)</sup>	# of Sec.	Chimney Size	Flue Size <sup>(4)</sup>	Water Content Gallons	- A - Width	- B - Height	- C - Depth	Weight Lbs.
EXB4075*	0.75	105	92	80	87.0	4	8" x 8" x 15'	5"	3.6	17-3/4"	31"	18-3/8"	436
EXB4090	0.90	126	110	96	86.0	4	8" x 8" x 15'	5"	3.6	17-3/4"	31"	18-3/8"	436
EXB5100*	1.00	140	123	107	87.0	5	8" x 8" x 15'	5"	4.3	17-3/4"	31"	21-5/8"	496
EXB5120	1.20	168	148	129	86.0	5	8" x 8" x 15'	5"	4.3	17-3/4"	31"	21-5/8"	496
EXB6130*	1.30	182	160	139	87.0	6	8" x 8" x 15'	5"	5.1	17-3/4"	31"	24-7/8"	560
EXB6145	1.45	203	178	155	86.0	6	8" x 8" x 15'	5"	5.1	17-3/4"	31"	24-7/8"	560
EXB7165*	1.65	231	202	176	87.0	7	8" x 8" x 15'	6"	5.9	17-3/4"	31"	28-1/8"	620
EXB7180	1.80	252	220	191	86.0	7	8" x 8" x 15'	6"	5.9	17-3/4"	31"	28-1/8"	620

\*ENERGY STAR® Models

### CONNECTIONS

Water Return & Supply	1-1/4" NPT
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### ELECTRICAL

120 V ac, 60 hertz, 1 phase, less than 12 amps (15 amp circuit recommended)
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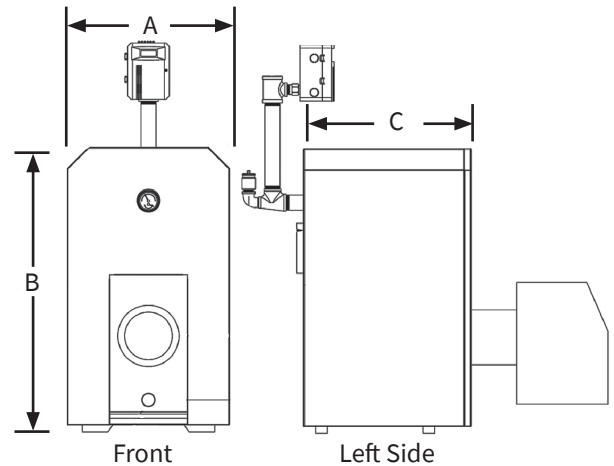
### STANDARD EQUIPMENT

Boiler Control Module: Hydrolevel Fuel Smart HydroStat, combination Low Water Cut Off with boiler temperature reset and circulator control.  
 Display Interface: Digital display with easy to set dial-type limit settings.  
 Heat Exchanger: High efficiency, cast iron, 3-pass design with reversible swing door and target wall. Efficiency baffles/liner by model.  
 Combustion: Oil burner with protective cover, flexible oil line.  
 Electrical: Wiring harness with Molex connectors. Burner electrical disconnect.  
 Other: Temperature/pressure gauge, 3/4" ASME relief valve, drain valve, textured painted steel jacket.

### OPTIONS

Beckett, Riello or Carlin Burner; Manual Reset High Limit with plug-in Molex connector, and Direct Vent (Direct Vent not available on EXB4090); DHW (Domestic Hot Water) Module Available. (Sold Separately)

- (1) 1000 Btu/hr (British Thermal Units Per Hour)
- (2) Heating capacity and AFUE (Annual Fuel Utilization Efficiency) are based on DOE (Department of Energy) test procedures.
- (3) Net AHRI ratings shown are based on piping and pickup factor of 15% in accordance with AHRI Standard as published by Hydronics Institute. Contact Technical Support before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc
- (4) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.



DHW Module 550003792D

The DHW Module is a great way to make domestic hot water when paired with our EXB boiler.

- Digital control has the ability to set a consistent DHW temperature from 108°F - 140°F
- Simple and flexible installation
- Easy to service and clean

