

VXTM SERIES



This product meets a stringent set of our company's internally defined sustainability standards



HIGH-EFFICIENCY RESIDENTIAL CONDENSING BOILER

VX 110

VX 150

VX 199

- The most advanced touch screen boiler control in the industry
- Express set up, remote monitoring & diagnostics, easy USB programmability, intuitive alert system
- State-of-the-art, fully automated, ASME, 439 grade, SS firetube heat exchanger
- 95% AFUE
- Cascade up to 4 units
- PVC/CPVC/PPs approved, vent lengths up to 480 ft
- Built-in CSA/UL approved LWCO and manual reset high limit
- 6.5 turndown ratio
- Built-in 4 zone pump or valve control In addition to the primary control - 5 pumps, replacing the need for external zone control.
- Built-in outdoor reset control of water temp.
- MFZ Technology: Patented moisture management system. Protects and ensures long life for all components in the boiler
- All models feature common parts
- Unmatched safety features



A UNIQUE BALANCE OF PERFORMANCE, EFFICIENCY AND VALUE



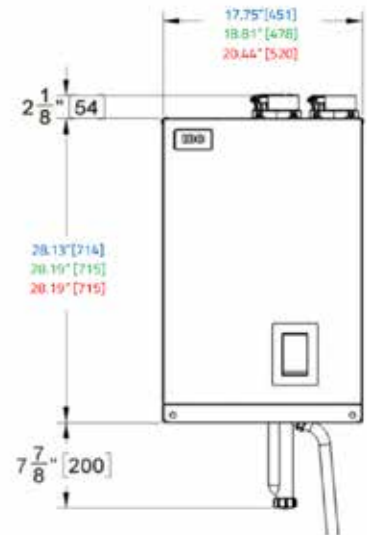
IBC[®]

VX SERIES

Technical Information



SPECIFICATIONS	VX 110	VX 150	VX 199
CSA Input (NG or Propane) – MBH	16.9-110	23-150	30.6-199
CSA Input (NG or Propane) – kW	5-32.2	6.7-44	8.8-58.3
CSA Output (NG or Propane) – MBH	16.2-101.5	22-138.5	29.2-183.7
CSA Output (NG or Propane) – kW	4.74-29.8	6.5-40.6	8.6-53.8
A.F.U.E.	95%	95%	95%
Min. Gas Supply Pressure (NG or Propane) – inch w.c.	4	4	4
Max. Gas Supply Pressure (NG or Propane) – inch w.c.	14	14	14
Ambient Temperature – Low (°F/°C)	32/0	32/0	32/0
Ambient Temperature – High (°F/°C)	122/50	122/50	122/50
Max. Relative Humidity (Non-Condensing)	90%	90%	90%
Min. Water Temperature (°F/°C)	34/1	34/1	34/1
Max. Water Temperature – (Electronic High Limit) (°F/°C)	190/88	190/88	190/88
Max. ΔT – Supply/Return (Electronic Fence) (°F/°C)	40/22	40/22	40/22
Max. Water Temperature Lockout Limit (°F/°C)	201/94	201/94	201/94
Power (120Vac/60Hz) at Full Fire – watts (w/o pumps)	90	79	90
Weight (Empty) – lbs/kg	67/30.4	78/35.4	88/39.9
Pressure Vessel Water Content – USG/Liters	1.88/7.12	2.7/10.56	3.51/13.29
Max. Boiler Flow Rate – USgpm	14	19	25
Min. Boiler Flow Rate – USgpm	2	3	4
Max. Operating Water Pressure – psig	50	50	50
Min. Operating Water Pressure – psig	8	8	8
Relief Valve Pressure – psig	30	30	30
Approved Installation Altitude – ASL	0-12,000'	0-12,000'	0-12,000'



VX 110, VX 150, VX 199

CLEARANCE FROM BOILER CABINET

Sched. 40; Rigid PPs	VX 110	VX 150	VX 199
2"	100'	50'	Not Allowed
3"	240'	170'	100'
90° Vent Elbow	Allow 8' Equivalent		
90° Long Sweep Elbow	Allow 5' Equivalent		
45° Elbow	Allow 3' Equivalent		
PPs 87-90° Elbows	Use 8' Equivalent		
2" SS Sidewall Terminal	No Additional Allowance	Not Allowed	Not Allowed
3" SS Sidewall Terminal - Exhaust Vent	Allow 20' Equiv. of 3" Schedule 40	Not Allowed	Not Allowed
3" SS Sidewall Terminal - Air Intake	No Additional Allowances		
Flexible PPs 3" Flexible	45' (max.) Lineal x 1.2 = Equivalent	30' (max.) Lineal x 3.33 = Equivalent	



Choosing this product instead of a minimum efficiency alternative offsets CO₂ emissions equivalent to planting this number of trees over the product's lifetime. The CO₂ Impact Score is internally calculated using a proprietary point system based on a typical product lifetime and does not denote a third party certification/seal.

See website for further information.



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All information contained in this brochure is subject to change without notice. Due to clerical error, regulation change or product development please confirm all information with IBC.

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