



# VX<sup>TM</sup> SERIES



## HIGH-EFFICIENCY RESIDENTIAL CONDENSING BOILER

VX110

VX150

VX199

- **The most advanced touchscreen 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 temperature.
- **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.



### V-10 PORTAL

A secure method of remotely managing your VX Boiler from any location.

**Boiler control on the go!**

## A Unique Balance of Performance, Efficiency and Value



# IBC<sup>®</sup>

# VX SERIES

## Technical Information

### SPECIFICATIONS

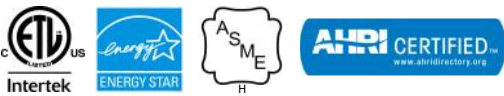
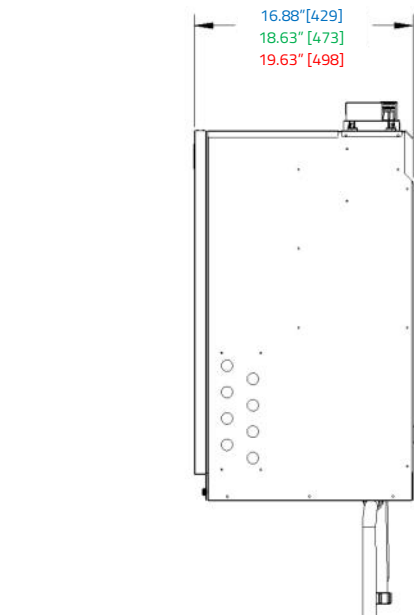
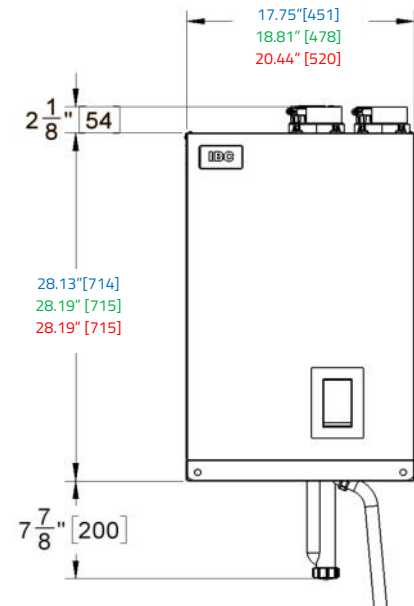
	VX 110	VX 150	VX 199
CSA Input (Natural Gas or Propane) - MBH	16.9 - 110	23 - 150	30.6 - 199
CSA Input (Natural Gas or Propane) - kW	5 - 32.2	6.7 - 44	8.8 - 58.3
CSA Output (Natural Gas or Propane) - MBH	16.2 - 101.5	22 - 138.5	29.2 - 183.7
CSA Output (Natural Gas or Propane) - kW	4.74 - 29.8	6.5 - 40.6	8.6 - 53.8
AFUE	95%	95%	95%
Min Gas Supply Pressure (Nat. Gas or Propane) - inch w.c.	4	4	4
Max Gas Supply Pressure (Nat. Gas 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° / 4.5°	40° / 4.5°	40° / 4.5°
Max. Water Temperature Lockout Limit (F/C)	201° / 94°	201° / 94°	201° / 94°
Power (120Vac/60Hz) @ full fire - watts (without 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 (Ft)	0 - 12,000	0 - 12,000	0 - 12,000

Propane fuel conversion kit included

### VENTING

### MAXIMUM EQUIVALENT LENGTH

Sched.40; Rigid PPs	VX 110	VX 150	VX 199
2"	100'	50'	N/A
3"	240'	170'	150'
90° Vent elbow	allow 8' equivalent	allow 8' equivalent	allow 8' equivalent
90° Long sweep elbow	allow 5' equivalent	allow 5' equivalent	allow 5' equivalent
45° Elbow	allow 3' equivalent	allow 3' equivalent	allow 3' equivalent
PPs 87-90° Elbows	use 8' equivalent	use 8' equivalent	use 8' equivalent
<b>Flexible PPs</b>			
3" Flexible	45' (max.) lineal x 1.2 = equiv.		30' (max.) lineal x 3.33 = equiv.



## Accessories



Floor Stand  
P-267



Res. Parts Kit (VX+SL)  
P-429



Condensate Tank  
180-048

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# IBC®

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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