



300 MBH    400 MBH  
500 MBH    650 MBH  
800 MBH    1000 MBH



## HIGH EFFICIENCY COMMERCIAL MODULATING VOLUME WATER HEATER



- **VERSA IC® intelligence** - Intuitive VERSA IC® modulating controller with 4.3" touchscreen display
- **Cascade up to 8 boilers** - Can be cascaded in parallel or sequential modulation modes
- **Instant visibility - Built-in service light** - The multi-function status light not only adds to the IFIRE sleek design, it allows for instant visibility of boiler status
- **Maximum performance** - Reduce operating costs and heat your water quickly with up to 96.5% efficiency for maximum performance
- **7:1 Turndown ratio**
- **Quality construction** - Stainless steel water-tube heat exchanger
- **Indoor or outdoor installation** - Weatherproof jacket
- **Ultra low NOx** - SQAQMD certified ultra-low NOx, <20PPM
- **Designed, Engineered and Assembled in USA**

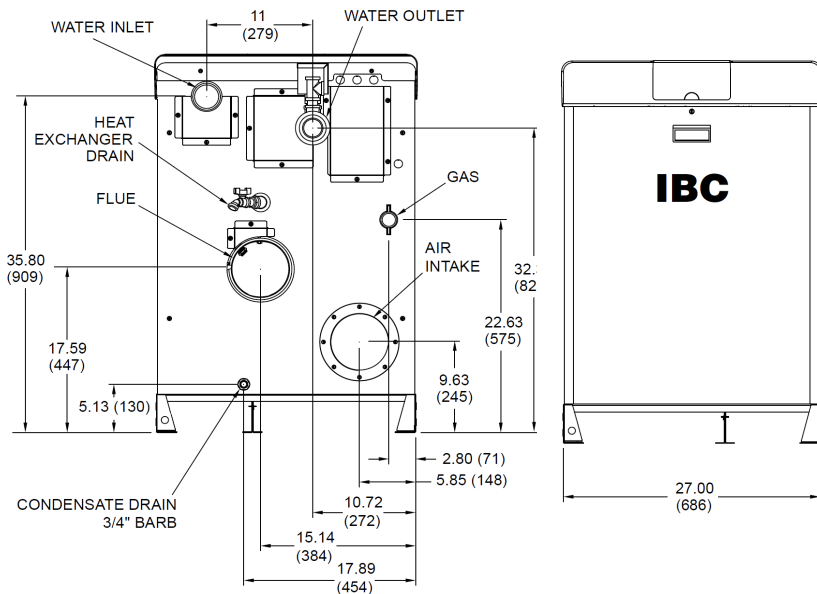
**Engineered For Maximum Volume Water Heating Performance**



**IBC®**



## VOLUME WATER HEATER



### DIMENSIONS

VOLUME WATER HEATING	BASE DEPTH	HEIGHT
IFIRE 300	45.34 (1151)	35.33 (897)
IFIRE 400	45.34 (1151)	35.33 (897)
IFIRE 500	45.34 (1151)	35.33 (897)
IFIRE 650	54.66 (1388)	42.75 (1111)
IFIRE 800	54.66 (1388)	42.75 (1111)
IFIRE 1000	62.75 (1593)	48.50 (1231)



SPECIFICATIONS	300	400	500	600	800	1000
CSA Input (Natural Gas or Propane) - MBH	42.8 - 300	57.1 - 399	71.4 - 500	92.8 - 650	114.2 - 800	142.8 - 1000
CSA Input (Natural Gas or Propane) - kW	12.5 - 88	16.7 - 117	20.9 - 147	27.2 - 190	33.5 - 234	41.9 - 293
CSA Output (Natural Gas or Propane) - MBH	41.3 - 289	54.7 - 383	68.6 - 480	89.1 - 624	109.7 - 768	137.1 - 960
CSA Output (Natural Gas or Propane) - kW	12.1 - 85	16.1 - 113	21.2 - 141	26.2 - 184	32.3 - 226	40.3 - 282.4
Thermal Efficiency	96.50%	96%	96%	96%	96%	96%
Min Gas Supply Pressure (Nat. Gas or Propane) – inch w.c.	4 8	4 8	4 8	4 8	4 8	4 8
Max Gas Supply Pressure (Nat. Gas or Propane) – inch w.c.	10.5 / 13	10.5 / 13	10.5 / 13	10.5 / 13	10.5 / 13	10.5 / 13
Ambient Temperature – High (F/C)	150°F / 65.56°C	150°F / 65.56°C	150°F / 65.56°C	150°F / 65.56°C	150°F / 65.56°C	150°F / 65.56°C
Min water Temperature (F/C)	41°F / 5°C	41°F / 5°C	41°F / 5°C	41°F / 5°C	41°F / 5°C	41°F / 5°C
Max water Temperature – (electronic high limit) (F/C)	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C
Max. ΔT - supply/return (electronic fence) (F/C)	40°F / 4.44°C	40°F / 4.44°C	40°F / 4.44°C	40°F / 4.44°C	40°F / 4.44°C	40°F / 4.44°C
Max. Water Temperature Lockout Limit (F/C)	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C	200°F / 93.33°C
Power (120Vac/60Hz) @ full fire - (without pumps)	<7.5A	<7.5A	<7.5A	<7.5A	<7.5A	<7.5A
Weight (empty) – lbs/Kg	441lb	441lb	416lb	501lb	547lb	627lb
Heating Surface Area ft <sup>2</sup> / m <sup>2</sup>	34.8ft <sup>2</sup> /3.23m <sup>2</sup>	34.8ft <sup>2</sup> /3.23m <sup>2</sup>	39.1ft <sup>2</sup> /3.64m <sup>2</sup>	52.2ft <sup>2</sup> /4.85m <sup>2</sup>	60.9ft <sup>2</sup> /5.66m <sup>2</sup>	75.4ft <sup>2</sup> /7m <sup>2</sup>
Pressure Vessel water content – USG/Liters	3.8 Gal	3.8 Gal	4.3 Gal	5.6 Gal	6.6 Gal	8.1 Gal
Max flow rate - USgpm	38	50	62	80	90	90
Min flow rate - USgpm	28	28	33	44	55	66
Flow rate @ Water Hardness 4-12 GPG - USgpm	27.3	27.3	32.8	43.7	54.6	65.5
Flow rate @ Water Hardness 12-15 GPG - USgpm	36.7	36.7	44	58.6	73.3	80
Water pH	6.0 - 8.5	6.0 - 8.5	6.0 - 8.5	6.0 - 8.5	6.0 - 8.5	6.0 - 8.5
Max Operating Water Pressure - psig *	160	160	160	160	160	160
Min Operating Water Pressure - psig	14.5	14.5	14.5	14.5	14.5	14.5
Standard Relief valve pressure - psig	125	125	125	125	125	125
CSA Certified installation altitude (Ft)	4500	4500	4500	4500	4500	4500
Max equivalent vent length ft (each side)	100'	100'	100'	100'	100'	100'

All models ship natural gas and are propane field convertible



sales@ibcboiler.com • www.ibcboiler.com

Toll Free: 1-844-HEAT IBC / 1-844-432-8422

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.