



# IFIRE™

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



## HIGH EFFICIENCY COMMERCIAL MODULATING CONDENSING BOILER



- **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 Heating Performance**

**10**  
YEAR  
HEAT EX.  
WARRANTY

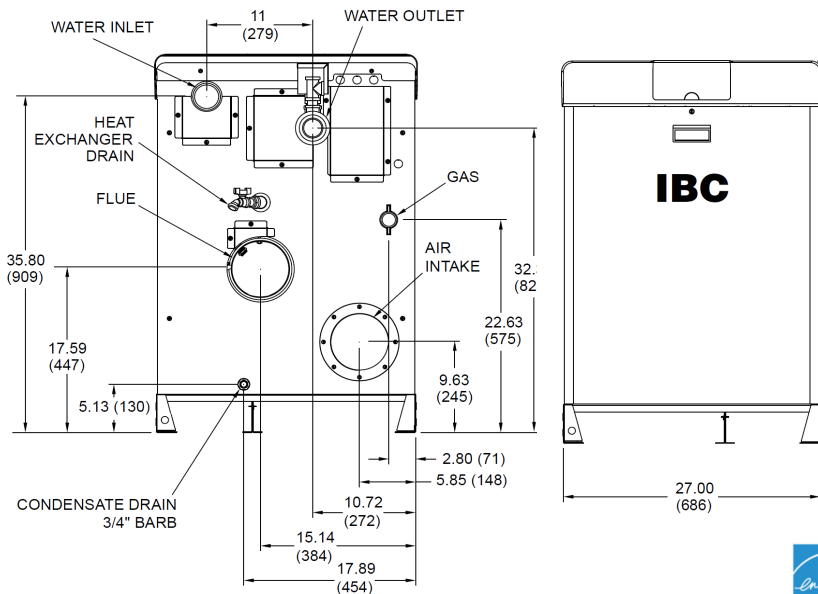
**2**  
YEAR  
PARTS  
WARRANTY



# IBC®



# CONDENSING BOILER



## DIMENSIONS

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



SPECIFICATIONS	300B	400B	500B	600B	800B	1000B
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)	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 – (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 boiler flow rate - USgpm	38	50	62	80	90	90
Min boiler flow rate - USgpm	15	20	25	32	39	49
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	60	60	60	60	60	60
CSA Certified installation altitude (Ft)	4500	4500	4500	4500	4500	4500
Max equivalent vent length ft(each side)	100'	100'	100'	100'	100'	100'
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

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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.