



IFIRE™

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



COMMERCIAL

High Efficiency Commercial Modulating
CONDENSING BOILER and **VOLUME WATER HEATER**



IBC®

VERSA IC® Intelligence

The IFIRE Intuitive VERSA IC touchscreen controller enables precise modulating temperature control, monitors safety limits, and offers ignition programming in one user-friendly integrated control platform.

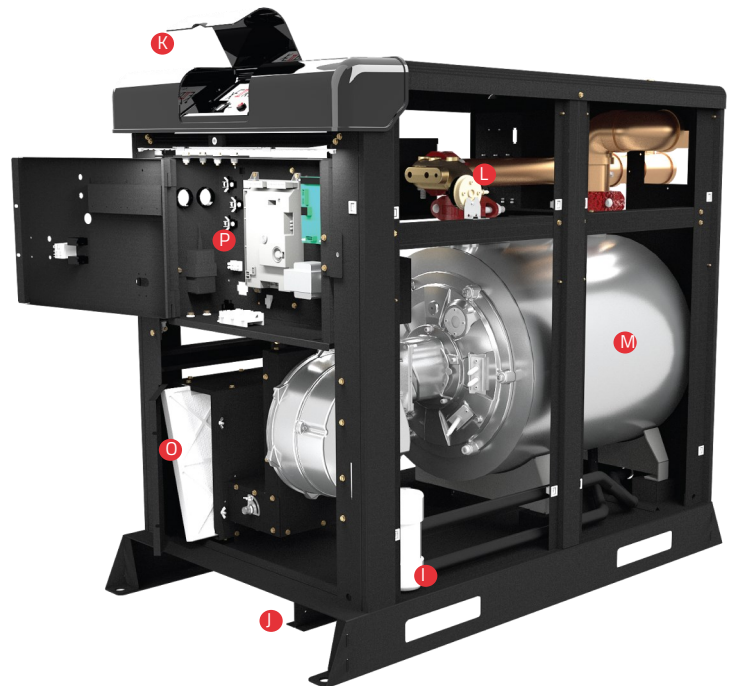
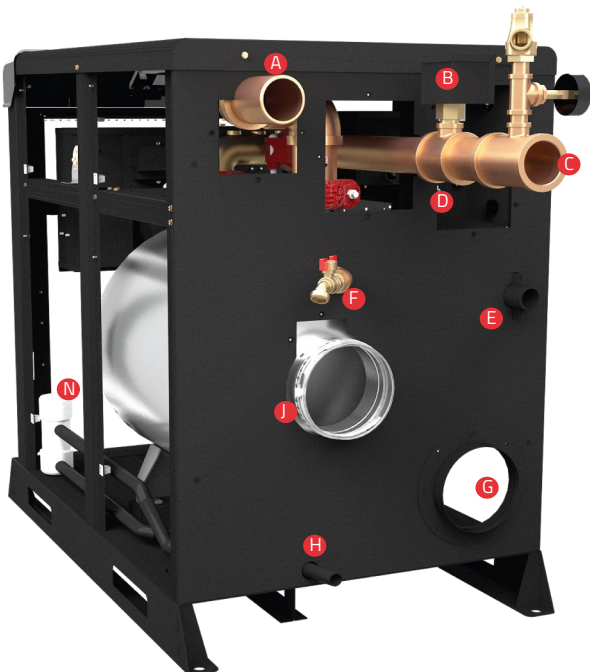
With self-learning features that prevent equipment damage, our automated controller is easy to set-up, understand, and use, making it as close to plug n' play as possible.

SELF LEARNING



Interior

- | | | | |
|--------------------------------|---|--|--|
| A) Water inlet | F) Drain valve | K) Outdoor protective bezel | N) Condensate trap |
| B) Flow switch | G) Air Intake - optional | L) Blocked vent pressure switch | O) Air filter |
| C) Water outlet | H) Condensate drain | M) Stainless steel heat exchanger (gasketless) | P) Junction box with PM and VERSA IC board |
| D) High voltage storage wiring | I) Forklift/pallet-jack accessible base | | Q) VERSA IC® controller |
| E) Gas connection | J) Vent | | R) Service light |





Suitable for the following projects

- SCHOOLS
- HEALTHCARE FACILITIES
- RESTAURANTS
- HOTELS
- RECREATIONAL FACILITIES
- OFFICE BUILDINGS
- FACTORIES / WAREHOUSING / FARMS
- LARGE RESIDENCES / MULTI-FAMILY HOUSING
- APARTMENT BUILDINGS
- COMMERCIAL GARAGES



CONDENSING BOILER or VOLUME WATER HEATER

Engineered for maximum performance, the IFIRE offers unprecedented value in the commercial new project or retrofit marketplace by providing stainless-steel water-tube construction, versatile design and adaptive controls on an intuitive Versa IC® self learning touchscreen control.

Both options have 6 models from 300,000 to 1,000,000 Btu/hr

Features

Intelligent controls

- VERSA IC® touchscreen enables modulating temperature control, safety limits and ignition programming into one user-friendly integrated control platform.
- Fault history with full diagnostics
- Three pump control (DHW, system and boiler)
- Modbus RTU BMS port

Instant visibility

- Built-in service light. Aids in quick visual status of the boiler and acts as a service light for boiler maintenance of the heater

Maximum performance

- Up to 96.5% thermal efficiency at full rate
- Cascade up to 8 heaters
- 7:1 turndown
- No external controls required.
- SQAQMD certified ultra-low NOx, <20PPM

Easy to install and service

- Safety certified for indoor/outdoor installation
- More venting options. Every IFIRE is direct vent capable and comes standard with an outdoor air intake air cover
- CAT IV or direct vent
- PVC, CPVC, polypropylene or stainless-steel compatible up to 100ft
- Zero side clearances to combustibles for easy installation
- Drain valve allows for easier servicing and reduced time on the job
- Forklift and pallet-jack accessible base
- Easy access to all components in the boiler

Durability

- Stainless steel construction
- 100% factory tested, ASME Certified
- Galvanized steel jacket with UV-resistant powder coat
- All IFIRE models are designed, engineered and assembled in America



Instant visibility

Built-in multi-function IBC status light not only adds to the IFIRE new sleek design, it also aids in quick visual status of the boiler and a service light for maintenance.



Power off



Power on



Burner on

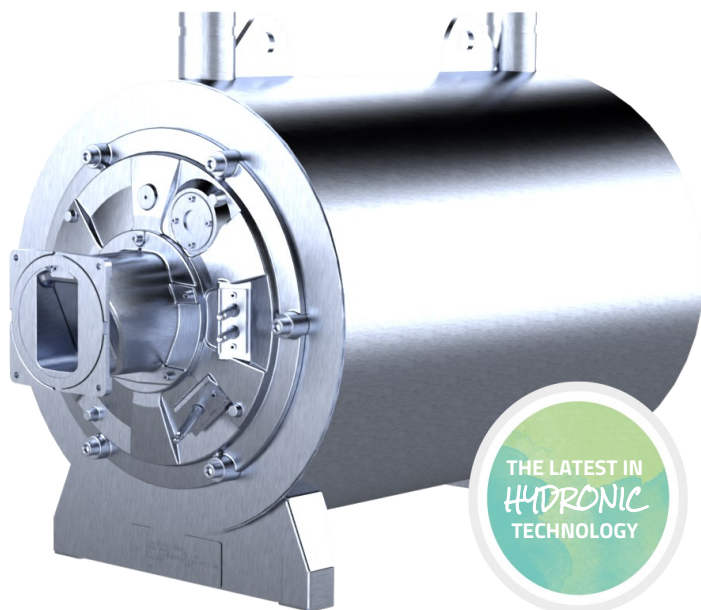


Error

Welded SS heat exchanger

(No gasket)

Stainless steel conducts heat fast and saves energy. Higher temperature tolerances and better corrosion resistance guarantee a superior quality ASME certified heat exchanger that's 100% factory tested.



THE LATEST IN
HYDRONIC
TECHNOLOGY

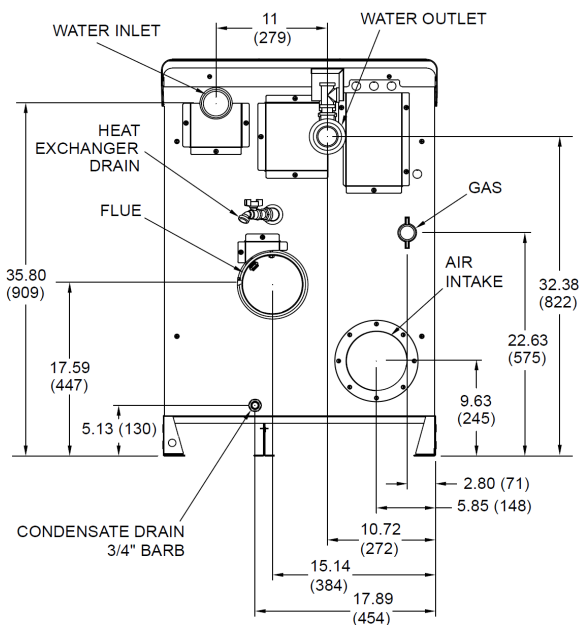
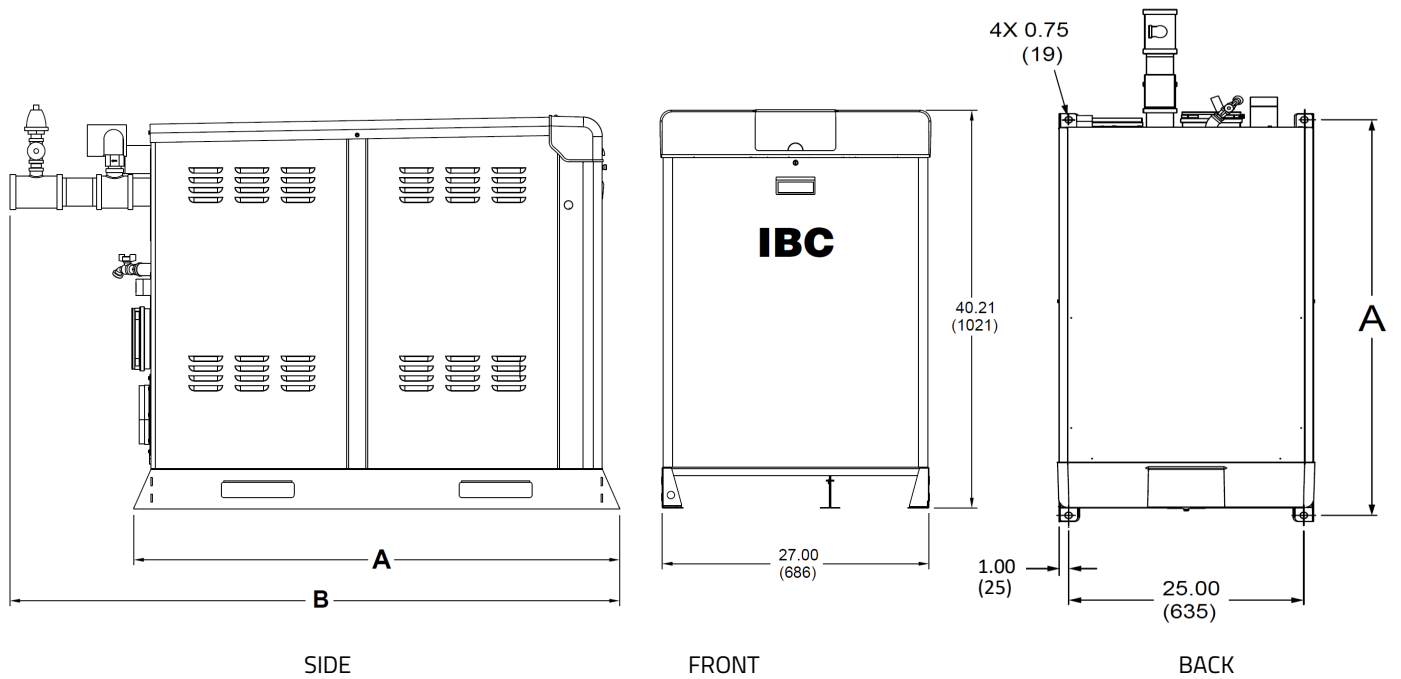


Dimensions & Clearances

DIMENSIONS

VOLUME WATER HEATING	HYDRONIC HEAT	A BASE DEPT	B	C HEIGHT	WATER INLET/ OUTLET NPT	FLUE Ø	AIR INTAKE Ø
IFIRE 300	IFIRE 300B	36.83 (935)	45.34 (1151)	35.33 (897)	2 (50)	4 (100)	4 (100)
IFIRE 400	IFIRE 400B	36.83 (935)	45.34 (1151)	35.33 (897)	2 (50)	4 (100)	4 (100)
IFIRE 500	IFIRE 500B	36.83 (935)	45.34 (1151)	35.33 (897)	2 (50)	4 (100)	4 (100)
IFIRE 650	IFIRE 650B	45.22 (1148)	54.66 (1388)	42.75 (1111)	2 (50)	6 (150)	6 (150)
IFIRE 800	IFIRE 800B	45.22 (1148)	54.66 (1388)	42.75 (1111)	2 (50)	6 (150)	6 (150)
IFIRE 1000	IFIRE 1000B	50 (1270)	62.75 (1593)	48.50 (1231)	2.5 (6.5)	6 (150)	6 (150)

Dimensions are shown in inches (mm)



CLEARANCE FROM BOILER CABINET

Surface	Distance from combustible surfaces		Recommended distance for installation and service	
	INDOOR	OUTDOOR	INDOOR	OUTDOOR
Rear	24 (610)	24 (610)	24 (610)	24 (610)
Right Side	0	0	0	0
Left Side	0	0	0	0
Top	0	0	0	0
Front	Open	Open	30 (762)	30 (762)
Vent	1 (25)	Open	-25	Open

Dimensions are shown in inches (mm)



Technical Information



Heat Only



SPECIFICATIONS

MODEL NAME	MODEL#	IBC PART#	MBTUH (KW) INPUT	MBTUH (KW) OUTPUT	AHRI THERMAL EFFICIENCY	TURNDOWN	OPERATING WEIGHT IBS. (KG)
VOLUME WATER HEATING							
IFIRE 300	IBGWSF1-0300	016-061	300 (88)	289.5 (85)	96.5%	7:1	411 (186)
IFIRE 400	IBGWSF1-0400	016-071	399 (117)	383 (112)	96%	7:1	411 (186)
IFIRE 500	IBGWSF1-0500	016-081	500 (147)	480 (141)	96%	7:1	416 (189)
IFIRE 650	IBGWSF1-0650	016-091	650 (191)	624 (183)	96%	7:1	501 (227)
IFIRE 800	IBGWSF1-0800	016-101	800 (235)	768 (225)	96%	7:1	547 (248)
IFIRE 1000	IBGWSF1-1000	016-111	1000 (294)	960 (281)	96%	7:1	627 (284)
HYDRONIC HEATING							
IFIRE 300B	IBGWSF1-0300B	016-000	300 (88)	289.5 (85)	96.5%	7:1	411 (186)
IFIRE 400B	IBGWSF1-0400B	016-010	399 (117)	383 (112)	96%	7:1	411 (186)
IFIRE 500B	IBGWSF1-0500B	016-020	500 (147)	480 (141)	96%	7:1	416 (189)
IFIRE 650B	IBGWSF1-0650B	016-030	650 (191)	624 (183)	96%	7:1	501 (227)
IFIRE 800B	IBGWSF1-0800B	016-040	800 (235)	768 (225)	96%	7:1	547 (248)
IFIRE 1000B	IBGWSF1-1000B	016-050	1000 (294)	960 (281)	96%	7:1	627 (284)

All models ship natural gas and are propane field convertible



We are committed to delivering a *GREATER DEGREE OF GOOD* across the globe - through our intelligent products, responsible processes and inspired people.



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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.

