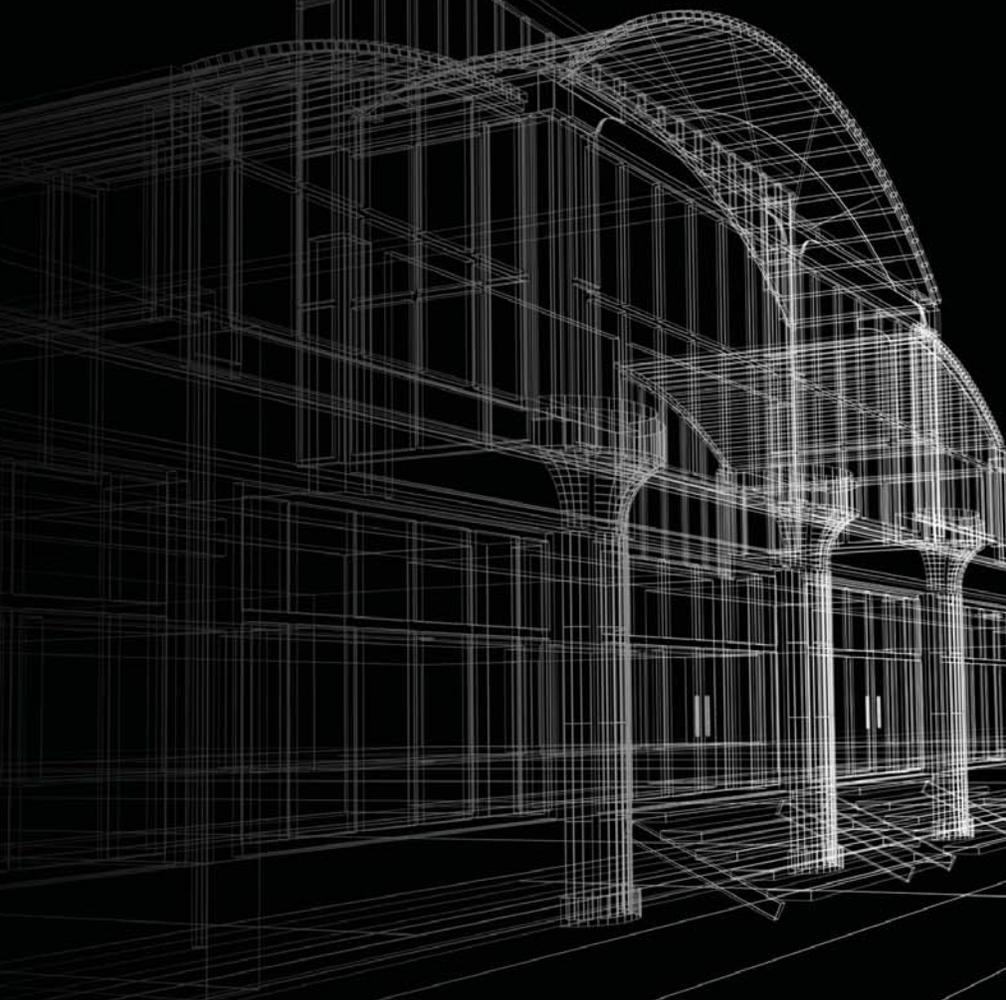


Infinite
ENERGY₂

Condensing High Efficiency Gas-Fired Boilers and Water Heaters



RBI®

Infinite ENERGY₂

IE₂ high efficiency gas-fired boilers and water heaters utilize state-of-the-art Radial Variable Circulation (RVC) stainless steel heat exchangers for maximum heat transfer and operating efficiencies of up to 98%.

Using all of today's modern technologies including pre-mix burners, modulating firing rates of up to 20:1 and integrated cascade controls IE₂ provides users with superior performance and application flexibility.

Available from 199 to 1000 MBH the IE₂ provides flexible solutions for all of your heating and domestic hot water needs. Units are PVC, polypropylene (PP) and stainless steel vent capable and can be installed in multiple unit configurations using its on-board control which provides flexible modulation for maximum efficiency.

Features and Benefits

- 199 – 1000 MBH
- Up to 98% Ultra-High Efficiency
- RVC Stainless Steel Heat Exchanger
- PVC, PP and Stainless Steel Venting
- Intuitive Integrated Control Platform
- Multi-Unit Cascade Communication
- MODBUS Based Control
- Pre-Mix Burner Technology
- Up to 20:1 Full Modulation
- Low NO_x and CO emissions (<15 ppm)
- 3" Minimum Gas Pressure
- 160 PSI Working Pressure
- Integrated condensate neutralizer system
- Modern Sleek Jacket Design
- Ease of Installation and Maintenance



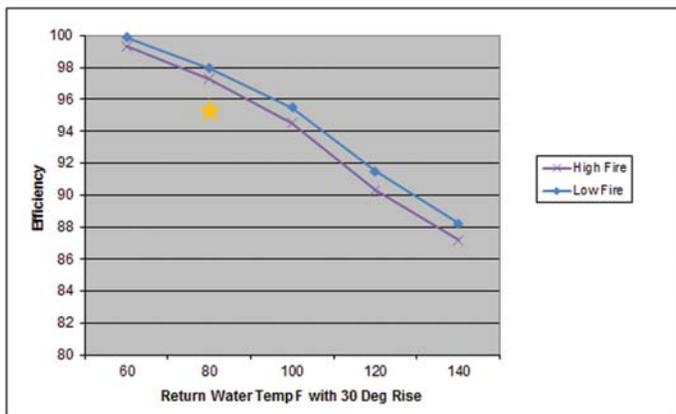


Innovative Heat Exchanger Design

IE₂ boilers and water heaters utilize a patented Radial Variable Circulation stainless steel heat exchanger. RVC high efficiency heat exchangers are manufactured using a series of 3 stainless steel tubes including a uniquely designed AISI 316 Ti stainless steel. Tubes are hydraulically connected without welding protecting the full integrity of the design while providing maximum durability against corrosion.

All RVC heat exchangers are ASME certified for both water heating and space heating and manufactured to the most stringent tolerances in the industry today.

All IE₂ units come with an integrated condensate neutralizer system.



★ 95.2% AHRI Certified Product Performance Thermal Efficiency

Performance values based on 1000 MBH boiler official AHRI Certified Performance Ratings



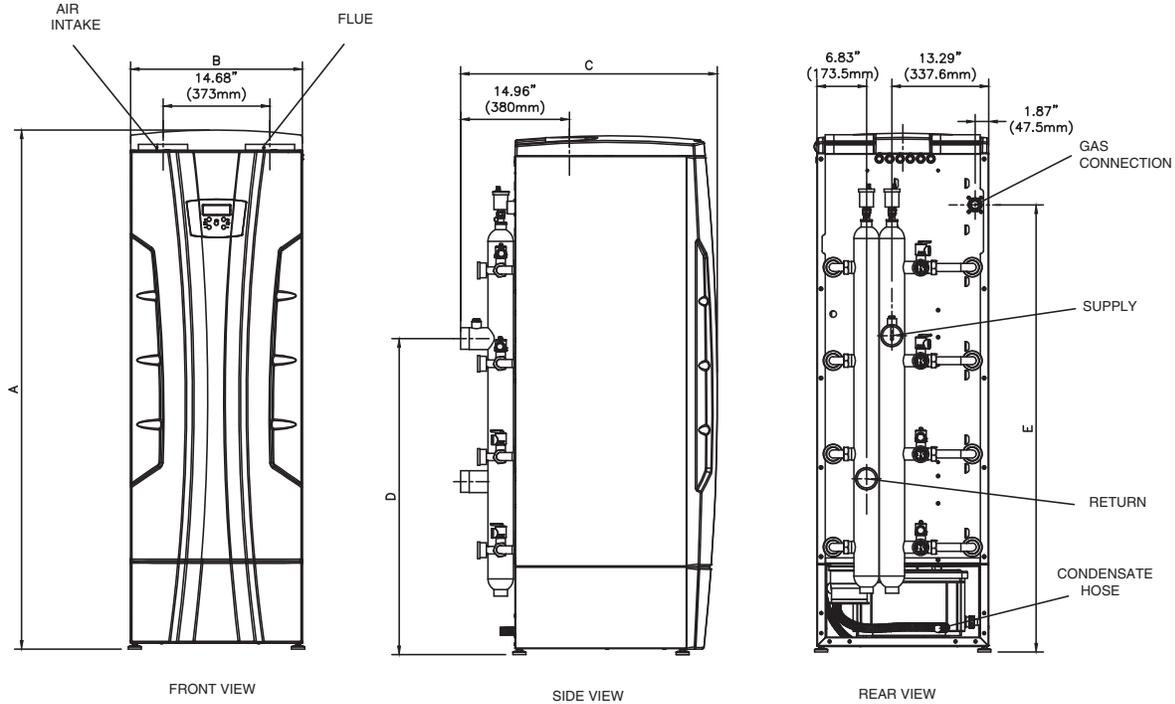
Integrated Control Board

Like a lot of today's applications, the IE₂ can be configured in a master/member cascade configuration providing up to 4000 MBH with unparalleled modulation for maximum system efficiency.

An intuitive control system is the brains behind the IE₂'s premium performance. The easy set-up control is MODBUS based and provides auto-diagnostics of all major components and functions; including visual notification of system errors and lockouts through continuous monitoring of temperature sensors, fan speed rotation and other application operating sequences. Back-lit visual readouts include water flow sensor, supply temperature, flue temperature and tank temperature for immediate system feedback.

- Outdoor Reset
- Auto Diagnostics
- High and Low Fire Hold
- PC Connections for Diagnostics
- Cascade Capabilities
- Freeze Protection
- System Pump Control, Boiler Pump Control and DHW Pump Control
- DHW Priority
- Back-Lit Readable Display with Auto Shut Off
- Low Water Flow Protection
- Water Pressure Sensor
- Low Water Pressure Protection
- Blocked Flue Pressure Switch

Infinite ENERGY₂



| Infinite Energy 2 – Dimensions and Ratings | | | | | | | | | | | |
|--|------|-------|------|----|------|------|------|-------|------|-------|--|
| Model | A | | B | | C | | D | | E | | |
| | In | cm | In | cm | In | cm | In | cm | In | cm | |
| IW 199 | 45.7 | 116 | 23.6 | 60 | 29 | 72.4 | 35.8 | 90.8 | 25.7 | 65.3 | |
| IB/IW 399 | 45.7 | 116 | 23.6 | 60 | 34.8 | 88.5 | 25 | 63.4 | 35.8 | 90.8 | |
| IB/IW 500 | 45.7 | 116 | 23.6 | 60 | 34.8 | 88.5 | 25 | 63.4 | 35.8 | 90.8 | |
| IB/IW 750 | 71.5 | 181.5 | 23.6 | 60 | 35.3 | 89.6 | 43.5 | 110.5 | 61.5 | 156.3 | |
| IB/IW 1000 | 71.5 | 181.5 | 23.6 | 60 | 35.3 | 89.6 | 43.5 | 110.5 | 61.5 | 156.3 | |

| Infinite Energy 2 – Dimensions and Ratings | | | | | | | | | | | |
|--|----------------------|-----|--------|-----|-----------|------------|-------------|--------|--------|-----|--|
| Model | Input | | Output | | Flue Vent | Air Intake | Connections | | Weight | | |
| | MBH | kW | MBH | kW | | | Gas | Water | Lbs | Kg | |
| IW 199 | Currently in Testing | | | | | | | | | | |
| IB/IW 399 | 399 | 117 | 376 | 110 | 4" | 4" | 1" | 2" | 325 | 147 | |
| IB/IW 500 | 500 | 147 | 472 | 138 | 4" | 4" | 1" | 2" | 340 | 154 | |
| IB/IW 750 | 750 | 220 | 711 | 208 | 6" | 6" | 1 1/4" | 2 1/2" | 550 | 250 | |
| IB/IW 1000 | 999 | 293 | 952 | 279 | 6" | 6" | 1 1/4" | 2 1/2" | 635 | 288 | |

| Infinite Energy 2 – Hourly Recovery Capacity | | | | | | | | | | | | |
|--|----------------------|-------|------|------|------|------|-------|------|-------|------|-------|------|
| Model | Temperature Rise | | | | | | | | | | | |
| | 40°F | 22°C | 60°F | 33°C | 80°F | 44°C | 100°F | 56°C | 120°F | 67°C | 140°F | 78°C |
| IW 199 | Currently in Testing | | | | | | | | | | | |
| IB/IW 399 | 1131 | 4274 | 754 | 2849 | 565 | 2137 | 452 | 1710 | 377 | 1425 | 323 | 1221 |
| IB/IW 500 | 1420 | 5368 | 947 | 3578 | 710 | 2684 | 568 | 2147 | 473 | 1789 | 406 | 1534 |
| IB/IW 750 | 2139 | 8085 | 1426 | 5390 | 1069 | 4043 | 856 | 3234 | 713 | 2695 | 611 | 2310 |
| IB/IW 1000 | 2864 | 10826 | 1909 | 7217 | 1432 | 5413 | 1146 | 4330 | 955 | 3609 | 818 | 3093 |



260 North Elm Street Westfield, MA 01085
Tel: (413) 564-5515 Fax: (413) 568-9613

7555 Tranmere Dr., Mississauga, Ontario L5S 1L4
Tel: (905) 670-5888 Fax: (905) 670-5782