



Eco-King

CANADIAN CRAFTSMANSHIP  
EUROPEAN ENGINEERING

## THE ULTIMATE COMMERCIAL SERIES BOILERS & VOLUME WATER HEATERS

- ASME rated Stainless Steel Heat Exchanger
- Compact Wall mount units available in 3 sizes: 299,000 – 399,000 – 499,000 BTU's
- Multi-Boiler ready – Cascade up to 16 boilers for amazing system Turn Down and Redundancy
- 3 in 1 Venting adaptor built-in for PPs, CPVC, PVC or Stainless Steel with adaptor
- Common Venting – Flue Check Valves built in to each unit
- Built in Pump control for 3 pumps and 2 temperature operation with Priority
- Modbus – Built-into every unit
- 96% Thermal Efficiency
- 95% AFUE with the CHB 299
- All models only 17" wide for Maximum Space Savings
- Racking System available for 2, 3, or 4 boilers (optional Low Loss Header available)



Dependable Heat and Hot Water  
– When It Counts!



Low NOx certified  
by SCAQMD



NSF/ANSI/CAN 372

### Head Office

#103 – 2567 192 St.  
Surrey, BC, V3S3X1

604.385.3265  
sales@ecokingheating.com



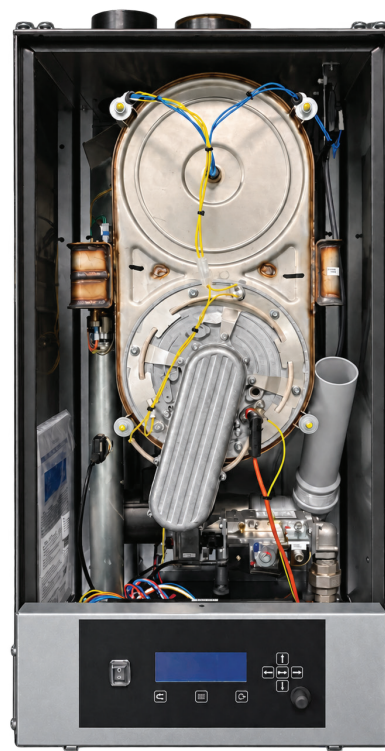
ecokingheating.com





Eco-King

CANADIAN CRAFTSMANSHIP  
EUROPEAN ENGINEERING



### Boiler specifications

| SPECIFICATIONS                                          | CHB / DHW 299                             | CHB / DHW 399                             | CHB / DHW 499                             |
|---------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
| AFUE                                                    | 95%                                       | N/A                                       | N/A                                       |
| Thermal efficiency                                      | 96%                                       | 96%                                       | 96%                                       |
| Dimensions<br>(H x W x D)                               | 33" x 17" x 21"                           | 33" x 17" x 21"                           | 33" x 17" x 21"                           |
| Weight (empty)                                          | 174 Lbs / 79 kg                           | 183 Lbs / 83 kg                           | 187 Lbs / 85 kg                           |
| Input - Natural Gas<br>Min - Max                        | 46,000 – 299,000<br>BTU                   | 72,000 – 399,000<br>BTU                   | 83,000 – 460,000<br>BTU                   |
| Supply / Return                                         | 1 ½" M-NPT                                | 1 ½" M-NPT                                | 1 ½" M-NPT                                |
| Head Loss<br>Feet @ GPM                                 | 25' @ 28GPM                               | 27' @ 38GPM                               | 27' @ 44GPM                               |
| Glycol Max Limit                                        | 50%                                       | 50%                                       | 50%                                       |
| Gas Supply                                              | 1" M-NPT                                  | 1" M-NPT                                  | 1" M-NPT                                  |
| Gas Pressure<br>Normal (Min/Max)                        | 7" (3.5"/11") w.c.                        | 7" (3.5"/11") w.c.                        | 7" (3.5"/11") w.c.                        |
| Vent Connection                                         | 4"                                        | 4"                                        | 6"                                        |
| Venting Material<br>(Canada - ULCS636<br>approved only) | CPVC, PVC, PPs,<br>Stainless Steel        | CPVC, PVC, PPs,<br>Stainless Steel        | CPVC, PVC, PPs,<br>Stainless Steel        |
| Max Vent Length                                         | 3" – 60' Each side<br>4" - 200' Each side | 3" – 30' Each side<br>4" - 121' Each side | 4" – 73' Each side<br>6" - 200' Each side |
| DHW Capacity<br><i>DHW Units only</i>                   | 340 GPH<br>@ 100F Temp Rise               | 456 GPH<br>@ 100F Temp Rise               | 542 GPH<br>@ 100F Temp Rise               |
| Power Supply                                            | 120V/1Ph/60Hz                             | 120V/1Ph/60Hz                             | 120V/1Ph/60Hz                             |