



King Heating Products Inc.

www.kingheatingproducts.com

ECO-KING ULTIMATE

HIGH EFFICIENT COMMERCIAL WALL HUNG BOILERS & VOLUME WATER HEATER



- **Up to 96% high efficient wall hung condensing boilers with European state of the art technology**
- **3 sizes and two models. Boiler and Volume water heater in 300, 400 and 500 MBH**
- **ASME Stainless steel heat exchanger**
- **Cascade up to 16 boilers in a row and combined venting possibilities.**
- **Racking systems available from 2 to 4 units on one rack with Low Loss Header. Plug & Play**
- **3 in 1 venting adapters included. Vent directly off the top with (C)PVC, PP or Stainless Steel**
- **Cascade venting allowed and extra long vent runs: For example, 299 in 4" can vent 456ft**
- **Wifi with mobile app capability (extra accessory)**
- **Outdoor sensor, Bacnet/Modbus connections included. Control firing rate via DDC controls**
- **Multiple pump connections with two temperature capability: DHW tank and Heating**

Boiler Specifications:

BOILER TYPE		EK 299 CHB or DHW	EK 399 CHB or DHW	EK 499 CHB or DHW
Dimensions	Inches	33" x 17" x 21"	33" x 17" x 21"	33" x 17" x 21"
Estimated Water Content	Litres / usg	5.0 / 1.32	8.3 / 2.19	10.4 / 2.75
Weight (empty)	Lbs.	170	173	188
Flow/Return connections	Inches NPT	1"	1"	1¼"
Gas connection	Inches	¾"	¾"	1"
Exhaust & Intake connections (multiple options)	Mm / Mm / In	100 / 110 / 4"	100 / 110 / 4"	150 / 150 / 6"
Gross Input	BTU / Hr	295,000	399,000	490,000
AFUE *1	%	95%	-	-
Combustion Efficiency	%	-	94.7%	94.7%
Gas Supply Pressure: nom/min/max	Inches wc (")	7" / 3.5" / 11"	7" / 3.5" / 11"	7" / 3.5" / 11"
Electrical Supply		120 V / Phase / 60V / 12A	120 V / Phase / 60V / 12A	120 V / Phase / 60V / 12A
Recovery Rate (DHW Models)	usg/hr	319	428	513

*1 Based on standard test procedures prescribed by the US Department of Energy

**Cascade Racking
Systems Available.**

**DHW volume water
heaters available in
same size BTU**



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