



King Heating products Inc. present:

ECO KING SUPREME



Full of numerous Standard Features on all boilers:

- Up to 95% AFUE and low NOx emissions
- European made and engineered
- Fully modulating, condensing and wall hung with 6 to 1 turndown ratio with stainless steel heat exchanger
- 3 Boiler sizes: 100, 140 and 200,000 BTU
- Available in heat (with DHW priority standard on all models) **OR** combi units with on demand hot water
- Technologically advanced *gas adaptive valve* and automatic air bleed
- Integrated variable speed Grundfos™ pump and 12L expansion tank in all Eco King boilers. Decrease installation time and save on parts and labour!
- Extremely quiet operation, compact design and very lightweight
- Wall hung with all mechanical connections at the bottom for easy installation and Service
- Vent with low cost polypropylene venting among other venting options
- Separate CH and DHW connections makes piping simple
- 2 years parts warranty with registered



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- High efficient variable speed fan and composite Grundfos pump save electricity
- Integral 3 way valve ensures flow is directed to CH (heating) or with priority to DHW (hot water)
- Removable flue gas sensor for accurate flue gas analysis
- Separate connections for CH and DHW, which, combined with integrated pump, simplifies piping
- 6 to 1 turn-down ratio ensures gas use matches demand. No excess gas usage
- Simple Connection with Eco King Indirect Hot Water Tanks via temperature sensor included on Indirect Tanks
- Outdoor sensor included with all boilers

General		Eco King C100, H100	Eco King C140, H140	Eco King C200, H200
Dimensions (h x w x d)	inch	27 x 19 x 16	27 x 19 x 16	27 x 19 x 16
Weight (empty)	lbs	68	75	82
CH (heating), cold water fill and DHW (hot water) supply and return connections	inch	3 / 4" CPS (7 / 8" od)	3 / 4" CPS (7 / 8" od)	3 / 4" CPS (7 / 8" od)
Gas Connection	inch	1 / 2" NPT outer pipe thread	1 / 2" NPT outer pipe thread	1 / 2" NPT outer pipe thread
Gas pressure range (ideal at boiler's gas valve is 7")	in. wc	3"-14" wc	3"-14" wc	3"-14" wc
Concentric flue gas connection	mm / inch	80/125mm 3" / 5"	80 / 125mm 3" / 5"	80 / 125mm 3" / 5"
Single Pipe flue gas connection	mm/inch	80mm 3"	80mm 3"	80mm 3"
Max supply temperature	°C / °F	85 / 185	85 / 185	85 / 185
Filling Pressure CH (min/max)	Bar / psi	1.5-2.5 / 22-36	1.5-2.5 / 22-36	1.5-2.5 / 22-36

Central Heating		Eco King C100, H100	Eco King C140, H140	Eco King C200, H200
Input (0-2000ft)	BTU / H	16,000 - 105,000	21,000 - 135,000	29,000 - 185,000
Output (0-2000ft)	BTU / H	15,000 - 95,000	20,000 - 122,000	27,000 - 167,000
NOx emissions	PPM	<30	<30	<30
CO emissions	PPM	<50	<50	<50

Domestic Hot Water (combi units)		Eco King C100	Eco King C140	Eco King C200
Nominal Load	BTU / H	105,000	135,000	185,000
Tap water with Δ T = 90°F	usg / minute	2.1	2.6	4
Tap water with Δ T = 54°F	usg / minute	3.4	4.2	6.6