

NextGen Boiler – Wiring Update

Important Notice: There is a correction in the proper wiring method on the NextGen Boiler -12 and 14kW models. The existing installation manual and brochure indicate two circuit requirements for the main power feed. The correct method to meet National Electric Code is to wire one single circuit for ALL models at the appropriate conductor and breaker ampacity size.

Incorrect wiring method -Two electrical breakers and two electrical runs

Boiler Name		NextGen	NextGen	NextGen	NextGen-	NextGen-
Boiler Type		EKCO-	EKCO-	EKCO-	EKCO-	EKCO-
Boiler Rated Power	kW	4	6	8	12	14.4
	Btu/	13,652	20,478	27,304	40,956	49,147
Voltage	V	240				
Rated Current	A	16.66	25.0	33.3	50.0	60.0
Breaker Quantity- Amps	A	1 @ 30 amp	1 @ 40 amp	2 @ 40 amp		
Heating Elements	Quantity	3				
Element Resistance /	Ω	43.3	28.8	21.6	14.4	12.0

Correct wiring method - Single circuit with single wire run

Boiler Name		NextGen-4	NextGen-6	NextGen-8	NextGen-12	NextGen-14.4
Boiler Type		EKCO-4	EKCO-6	EKCO-8	EKCO-12	EKCO-14.4
Boiler Rated Power	kW	4	6	8	12	14.4
	Btu/h	13,652	20,478	27,304	40,956	49,147
Voltage	V	240				
Rated Current	A	16.66	25.0	33.3	50.0	60.0
Breaker Quantity- Amps	A	1 @ 30 amp	1 @ 40 amp	1 @ 50 amp	1 @ 60/70amp	1 @ 80amp
Heating Elements	Quantity	40 amp				
Element Resistance / each	Ω	43.3	28.8	21.6	14.4	12.0