



# Tech Bulletin

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## 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		<del>2 @ 40 amp</del>	
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