A 15 KW COOKER, WORKED THROUGH

34.57 AMPS ON A 32 AMP BREAKER?

Same method, bigger appliance. 15,000 ÷ 230 = **65.22 A**.

	READ CORRECTLY — TABLE A1 OR A2	MISREAD — 30% OF THE WHOLE FULL LOAD
Load in excess of 10 A	55.22 A	ignored
30% of …	55.22 × 0.3 = 16.57	65.22 × 0.3 = 19.57
+ 10 + 5	**31.57 A**	34.57 A
Breaker	**32 A**	40 A — a size you did not need

✋ **Both tables agree once they are read properly.** Read correctly, 31.57 A sits under a **32 A** device; misread, 34.57 A pushes you to 40 A for no reason.

Design high.

A client who has a 5 kW cooker today will buy a 9 kW one in five years and will not mention it. Most installers fit a 32 A breaker on a domestic cooker circuit for exactly that reason, and the design allows for it.

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