

trutankless® Unit Selection Guide

Select the Appropriate Model Based on Voltage Requirements: 220/240V OR 208V

PLEASE NOTE: Although considered a residential dwelling, some condominiums and apartments utilize a 208V service.

TR Residential Series



Setting	Voltage Range	Main Panel Size	Breakers (two pole)	*Wire	GPM: 75° Rise	GPM: 65° Rise	GPM: 55° Rise	GPM: 45° Rise	GPM: 35° Rise
160 Amp 36kW	220 - 240	300+ Amp	(2) 80A	(4) 1/0	3	3.5	4.4	5.3	7.5
120 Amp 29kW	220 - 240	200 Amp	(1) 125A	(2) #2 AWG	2.4	2.8	3.3	4	5.9
100 Amp 24kW	220 - 240	200 Amp	(1) 100 A	(2) #2 AWG	2	2.4	2.7	3.3	4.9
80 Amp 20kW	220 - 240	150 Amp	(1) 80A	(2) #4 AWG	1.7	2	2.2	2.6	3.9
60 Amp 14kW	220 - 240	125 Amp	(1) 60A	(2) #6 AWG	1.3	1.5	1.6	2	2.9

*Wiring: Copper recommended. Follow local and national electrical codes.

TC Commercial Series



Setting	Voltage Range	Main Panel Size	Breakers (two pole)	*Wire	GPM: 75° Rise	GPM: 65° Rise	GPM: 55° Rise	GPM: 45° Rise	GPM: 35° Rise
160 Amp 33kW	208	300+ Amp	(2) 80A	(4) 1/0	2.8	3.2	3.9	4.6	6.2
120 Amp 25kW	208	200 Amp	(1) 125A	(2) #2 AWG	2.1	2.5	2.9	3.5	4.6
100 Amp 21kW	208	200 Amp	(1) 100 A	(2) #2 AWG	1.7	2	2.4	2.8	3.7
80 Amp 17kW	208	150 Amp	(1) 80A	(2) #4 AWG	1.3	1.5	1.8	2.2	2.9
60 Amp 12kW	208	125 Amp	(1) 60A	(2) #6 AWG	1.1	1.3	1.5	1.8	2.4

An appliance load that is not continuous for 3 hours or more is considered “non-continuous”. Therefore, the trutankless® water heater is considered a non-continuous heating appliance according to the definitions in the National Electric Code sections 410 and 411. The trutankless® load is generally added to the service load at 40% of its maximum nameplate rating.

Example: A trutankless® TR unit set at 29kW has a maximum current (Amp) rating of 120 Amps and 40% of this rating is about 48 Amps. As a result, a trutankless® TR unit set at 29kW will fit in most homes up to 3000 square feet that have a 200 amp whole-house electrical service.

PLEASE CONTACT YOUR LOCAL FACTORY REP WITH ANY ADDITIONAL QUESTIONS.

Hot Water. Perfected.

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