

ELECTRIC TANKLESS COMMERCIAL/RESIDENTIAL

DRY-FIRE PROTECTION

- Prevents element failure due to dry fire
- Internal air bypass
- Temporary shutoff with excess air in chamber

A WIDE VARIETY OF KW AND VOLTAGE OPTIONS FOR EVERY APPLICATION

- 12.2kW – 32kW
- 208V and 240V options

EASY INSTALL

- Mounts easily to the wall
- No venting required
- ¾" NPT water connections
- No T&P valve required (check local codes)

CONTINUOUS HOT WATER WHEN SIZED APPROPRIATELY

EASY MAINTENANCE

- No moving parts or screens to service
- Elements can be replaced without removing the unit from the wall
- Standard immersion tank-type elements

SELF DIAGNOSTICS WITH LEAK DETECTION SHUTDOWN

EASILY UNDERSTOOD DIGITAL USER INTERFACE

- Temperature can be adjusted with simple "up" and "down" arrows
- Error codes are clearly displayed

SCALE-REDUCTION TECHNOLOGY

- Reduces failures and service requirements due to hard scale buildup
- Power-sharing technology reduces scale deposits on the element
- Dupont™ Zytel® chambers naturally resist scaling buildup

COMPACT SIZE TO FREE UP VALUABLE SPACE

SOFT START

- Unit will not cause lights to dim with hard electricity draw

CODE COMPLIANCE

- Meets current UBC and CEC National Codes
- Meets or exceeds current federal minimum energy standards, according to the National Appliance Energy Conservation Act (NAECA)
- Listed and tested to UL 499 Appliance and UL 834 Space Heating standards
- Control tested to achieve temperature limit control requirements of UL 353 and CSA C22.2

5-YEAR LIMITED WARRANTY

- For complete information, consult the written warranty or go to hotwater.com



RESIDENTIAL



COMMERCIAL





ELECTRIC TANKLESS WATER HEATERS COMMERCIAL/RESIDENTIAL

Model Number	Wattage (kW)	Voltage (V)	Amperage (A)	Recommended Breaker Size	Recommended Wire Size	UEF	Activation GPM	Dimensions (in)			Approx. Shipping Weight (lbs)
								A	B	C	
Residential 2-Chamber Models											
R2VA-140E	14	240	58	1 x 60	6*	0.84	0.25	17 3/4	11 1/2	6 1/8	13
R2VA-140X	14	208	67	2 x 40	8	0.84	0.25	17 3/4	11 1/2	6 1/8	13
R2VA-160E	16	240	67	2 x 40	8	0.84	0.25	17 3/4	11 1/2	6 1/8	13
Residential 4-Chamber Models											
R4LA-180E	18	240	75	2 x 40	8	0.92	0.25	18 1/8	17	6 1/8	20
R4LA-220E	22	240	92	2 x 50	6*	0.92	0.25	18 1/8	17	6 1/8	20
R4LA-240E	24	240	100	2 x 60	6*	0.92	0.25	18 1/8	17	6 1/8	20
R4LA-280E	28	240	117	2 x 60	6*	0.92	0.25	18 1/8	17	6 1/8	20
R4LA-280X	28	208	135	2 x 70	6*	0.92	0.25	18 1/8	17	6 1/8	20
R4MA-320E	32	240	133	2 x 70	6*	0.93	0.25	18 1/8	17	6 1/8	20

Model Number	Wattage (kW)	Voltage (V)	Amperage (A)	Recommended Breaker Size	Recommended Wire Size	UEF	Activation GPM	Dimensions (in)			Approx. Shipping Weight (lbs)
								A	B	C	
Commercial 2-Chamber											
C2VA-120E	12.2	240	51	1 x 60	6*	0.84	0.25	17 3/4	11 1/2	6 1/8	13
C2VA-140E	14	240	58	1 x 60	6*	0.84	0.25	17 3/4	11 1/2	6 1/8	13
C2VA-140X	14	208	67	2 x 40	8	0.84	0.25	17 3/4	11 1/2	6 1/8	13
C2VA-160E	16	240	67	2 x 40	8	0.84	0.25	17 3/4	11 1/2	6 1/8	13
Commercial 4-Chamber											
C4LA-180E	18	240	75	2 x 40	8	0.92	0.25	18 1/8	17	6 1/8	20
C4LA-220E	22	240	92	2 x 50	6*	0.92	0.25	18 1/8	17	6 1/8	20
C4LA-280E	28	240	117	2 x 60	6*	0.92	0.25	18 1/8	17	6 1/8	20
C4LA-280X	28	208	135	2 x 70	6*	0.92	0.25	18 1/8	17	6 1/8	20
C4MA-320E	32	240	133	2 x 70	6*	0.93	0.25	18 1/8	17	6 1/8	20

GPM AT TEMPERATURE RISE													
	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
12.2 kW	4.2	3.3	2.8	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2	1.1	1.0
14 kW	4.8	3.8	3.2	2.7	2.4	2.1	1.9	1.7	1.6	1.5	1.4	1.3	1.2
16 kW	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.6	1.5	1.4
18 kW	6.1	4.9	4.1	3.5	3.1	2.7	2.5	2.2	2.0	1.9	1.8	1.6	1.5
22 kW	7.5	6.0	5.0	4.3	3.8	3.3	3.0	2.7	2.5	2.3	2.1	2.0	1.9
24 kW	8.2	6.6	5.5	4.7	4.1	3.6	3.3	3.0	2.7	2.5	2.3	2.2	2.0
28 kW	9.6	7.6	6.4	5.5	4.8	4.2	3.8	3.5	3.2	2.9	2.7	2.5	2.4
32 kW	10.9	8.7	7.3	6.2	5.5	4.9	4.4	4.0	3.6	3.4	3.1	2.9	2.7

Dimensions and specifications are subject to change without notice in accordance with our policy of continuous product improvement.

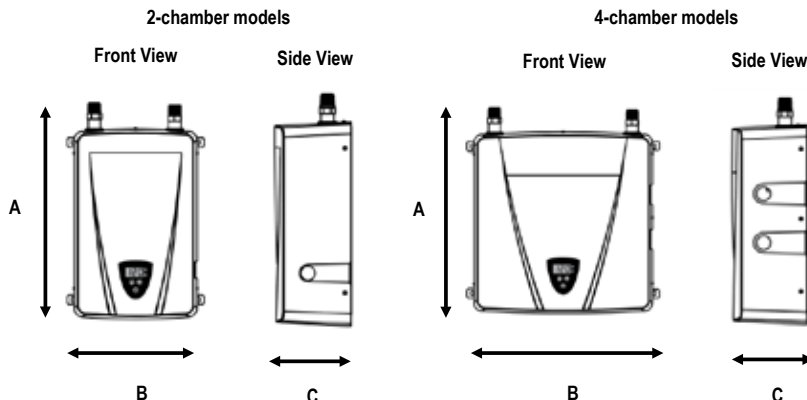
Recommended that all wire be rated 90°C or greater.

Factory set point is 120°F. This can easily be changed in the field as needed or desired.

Refer to National Electric Code Article 220 for calculating load contribution.

Refer to local code where applicable.

* Maximum recommended wire size is #6 cu AWG.



For technical information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.