

### Mini™ & Mini™-E Technical Specifications

#### Technical Data



Certified to ANSI/UL Std. 499  
Mini™: Conforms to CAN/CSA E335-1 & E335-2-35  
Mini™-E: Conforms to CAN/CSA Std. C22.2 No. 64



Tested and certified by WQA  
against NSF/ANSI 372 for  
lead free compliance.



Mechanical models:	Mini™ 2-1 231045	Mini™ 2.5-1 232098	Mini™ 3-1 220816	Mini™ 3.5-1 232099	Mini™ 4-2 222039	Mini™ 6-2 220817
Thermostatic models:	Mini™-E 2-1 236011	Mini™-E 2.5-1 236135	Mini™-E 3-1 236010	Mini™-E 3.5-1 236136	Mini™-E 4-2 236009	Mini™-E 6-2 236008
<b>Phase</b> - 50/60 Hz	1					
<b>Voltage</b> <sup>1</sup>	120 V	120 V	120 V	120 V	240 V or 208 V	240 V or 208 V
<b>Wattage</b>	1.8 kW	2.4 kW	3.0 kW	3.5 kW	3.5 kW   2.6 kW	5.7 kW   4.3 kW
<b>Amperage draw</b>	15 A	20 A	25 A	29 A	15 A   13 A	24 A   21 A
<b>Min. recommended circuit breaker size</b> <sup>2</sup>	15 A (SP)	20 A (SP)	25 A (SP)	30 A (SP)	15 A (DP)	25 A (DP)
<b>Min. recommended wire size</b> <sup>3</sup> (copper)	14/2 AWG	12/2 AWG	10/2 AWG	10/2 AWG	14/2 AWG	10/2 AWG
<b>Min. flow to activate</b>						
Mechanical units	0.21 gpm (0.8 l/min)	0.40 gpm (1.5 l/min)	0.40 gpm (1.5 l/min)	0.40 gpm (1.5 l/min)	0.40 gpm (1.5 l/min)	0.77 gpm (2.9 l/min)
Thermostatic units	0.21 gpm (0.8 l/min)	0.30 gpm (1.15 l/min)	0.30 gpm (1.15 l/min)	0.30 gpm (1.15 l/min)	0.30 gpm (1.15 l/min)	0.48 gpm (1.8 l/min)
<b>Water temp. range</b>	Electronic units are adjustable from 86–122 °F (30–50 °C)					
<b>Energy Factor (EF)</b> (Mechanical / Thermostatic)	0.98 / 0.97 (UEF)	1.0 / 0.99	0.99 / 0.99	0.99 / 0.99	0.99 / 1.0	0.99 / 1.0
<b>Weight</b>	3.44 lb (1.56 kg)					
<b>Dimensions</b>	Width 7½" (19.0 cm) x Height 6½" (16.5 cm) x Depth 3¼" (8.2 cm)					
<b>Water volume in unit</b>	0.026 gal (0.1 l)					
<b>Minimum pressure</b>	30 psi (2 bar)					
<b>Working pressure</b>	150 psi (10 bar)					
<b>Tested to pressure</b>	300 psi (20 bar)					
<b>Water connections</b> <sup>4</sup>	¾" O.D. flexible braided stainless steel hose connectors					

Mini™ 2-1 is internally restricted to 0.32 gpm (1.2 l/min). Mini™-E 2-1 is internally restricted to 0.40 gpm (1.5 l/min).

All Mini™ models ship with appropriately sized pressure compensating flow-reducer/aerators that must be installed.

<sup>1</sup> Nominal mains voltage is 110–120V and 220–240V.

<sup>2</sup> This is our recommendation for overcurrent protection sized at 100% of load. Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

<sup>3</sup> Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

<sup>4</sup> Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 122 °F.

Scroll for temp. rise charts. ↓

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Temperature Rise vs. Flow Rate at Max. Rated Voltage

