

Mini™ & Mini™-E Technical Specifications

Technical Data



Certified to ANSI/UL Std. 499
Conforms to CAN/CSA E335-1 & E335-2-35



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
Phase - 50/60 Hz	1					
Voltage ¹	120 V	120 V	120 V	120 V	240 V or 208 V	240 V or 208 V
Wattage	1.8 kW	2.4 kW	3.0 kW	3.5 kW	3.5 kW 2.6 kW	5.7 kW 4.3 kW
Amperage draw	15 A	20 A	25 A	29 A	15 A 13 A	24 A 21 A
Min. recommended circuit breaker size ²	15 A (SP)	20 A (SP)	25 A (SP)	30 A (SP)	15 A (DP)	25 A (DP)
Min. recommended wire size ³ (copper)	14/2 AWG	12/2 AWG	10/2 AWG	10/2 AWG	14/2 AWG	10/2 AWG
Min. flow to activate						
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	0.36 GPM 1.35 l/min	0.30 GPM 1.15 l/min	0.48 GPM 1.8 l/min
Water temp. range	Electronic units are adjustable from 86-122°F / 30-50°C					
Energy Factor (EF) (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
Weight	3.44 lb / 1.56 kg					
Dimensions (H x W x D)	6½" / 165 mm x 7½" / 190 mm x 3¼" / 82 mm					
Water volume in unit	0.026 gal / 0.1 l					
Working pressure	150 psi / 10 BAR					
Tested to pressure	300 psi / 20 BAR					
Water connections ⁴	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.

¹ Nominal mains voltage is 110-120 V and 220-240 V.

² 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.

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

⁴ Mechanical units suitable for supply with cold water only. Thermostatic units can accept inlet water of 105°F.

Scroll for temp. rise charts. ↓

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Temperature Rise vs. Flow Rate at Max. Rated Voltage

