

Mini™ & Mini™-E Electric Tankless Water Heaters

Engineer/Architect: _____ **Date:** _____

Job Name/Customer: _____ **Phone:** _____

Location: _____ **Date Required:** _____

Contractor: _____ **Phone:** _____

Water Heater Specifications	Item No.	Quantity	kW	Voltage	Amperage
Model # Mini™ _____	_____	_____	_____	_____	_____

Applications

Commercial › Industrial › Institutional

- › Office Buildings
- › Stores
- › Malls
- › Warehouses
- › Restaurants
- › Gas Stations
- › Schools
- › Hotels / Motels
- › Commercial Condominiums
- › Manufacturing Facilities

Residential

- › Bathroom Sinks
- › Kitchen Sinks
- › Laundry Areas
- › Cabins / Cottages
- › Low Flow Showers

Mini™-E is a code-compliant thermostatic model with electronically controlled output temperature.

- › Mounts with water connections up or down
- › Can be mounted above or below fixture

Warranty

Residential & commercial warranty: Stiebel Eltron, Inc. warrants to the original owner that the Mini™ tankless electric water heater will be free from defects in workmanship and materials for a period of three (3) years from the date of purchase, and free from leakage for a period of ten (10) years from the date of purchase. Should the part(s) prove to be defective under normal use during this period, Stiebel Eltron, Inc. will be responsible for replacement of the defective part(s) only. Stiebel Eltron, Inc. is not responsible for labor charges to remove and/or replace the defective part(s), or any incidental or consequential expenses.

Should the owner wish to return the tankless electric water heater for repair, the owner must first secure written authorization from Stiebel Eltron, Inc. The owner shall be required to show proof of purchase date, and to pay all transportation costs to return the defective part(s) or tankless electric water heater for repair or replacement. Warranty is void if water heater has been installed or used improperly or if design has been altered in any way.

rev. 9.2024 Due to our continuous process of engineering and technological advancement, specifications may change without notice.

Specifications

MECHANICAL MODELS › Item no.	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 › Item no.	Mini™-E 2-1 236011	Mini™-E 2.5-1 236135	Mini™-E 3-1 236010	Mini™-E 3-3 206427	Mini™-E 3.5-1 236136	Mini™-E 4-2 236009	Mini™-E 4-3 206428	Mini™-E 6-2 236008	Mini™-E 6-3 206429		
Phase - 50/60 Hz	1										
Voltage ¹	120 V	120 V	120 V	277 V	120 V	240 V or 208 V	277 V	240 V or 208 V	277 V		
Wattage	1.8 kW	2.4 kW	3.0 kW	3.0 kW	3.5 kW	3.5 kW 2.6 kW	4.1 kW	5.7 kW 4.3 kW	5.5 kW		
Amperage draw	15 A	20 A	25 A	11 A	29 A	15 A 13 A	15 A	24 A 21 A	20 A		
Min. recommended circuit breaker size ²	15 A (SP)	20 A (SP)	25 A (SP)	15 A (SP)	30 A (SP)	15 A (DP)	15 A (SP)	25 A (DP)	20 A (SP)		
Min. recommended wire size ³ (copper)	14/2 AWG	12/2 AWG	10/2 AWG	14/2 AWG	10/2 AWG	14/2 AWG	14/2 AWG	10/2 AWG	12/2 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	0.30 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	0.30 GPM 1.15 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	1.0	0.99 / 0.99	0.99 / 1.0	1.0	0.99 / 1.0	1.0		
Dimensions & Weight	H 6½" / 165 mm x W 7½" / 190 mm x D 3¼" / 82 mm 3.44 lb / 1.56 kg										
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.

Mini™ 2-1, 2.5-1, 3-1 & Mini™-E 2-1, 3-1 ship with a 0.5 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 3.5-1, 4-2 & Mini™-E 4-2 ship with a 0.66 GPM pressure compensating flow-reducer/aerator that must be installed.

Mini™ 6-2 ships with a 1.0 GPM pressure compensating flow-reducer/aerator that must be installed.


Mini™-E 6-2 ships with two 0.5 GPM pressure compensating flow-reducer/aerators that must be installed, plus an additional 1.0 GPM pressure compensating flow-reducer/aerator for use if plumbed to 1 sink.


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

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 122°F.

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

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

 ISO 9001
CERTIFIED

Temp. rise above incoming water temp. (°F)
(GPM = kW x 6.83 / Δt)

Temp. rise above incoming water temp. (°C)

Unit	Heating Capacity	GPM								l/min							
		0.32	0.42	0.48	0.53	0.69	0.85	1.06	1.14	1.2	1.6	1.8	2.0	2.6	3.2	4.0	4.3
Mini-E 2-1*	1.8 kW @ 110-120 V	39	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-
Mini-E 2.5-1	2.4 kW @ 110-120 V	51	39	34	30	24	19	15	14	28	22	19	17	13	11	8	8
Mini-E 3-1	3.0 kW @ 110-120 V	64	49	43	38	30	24	19	18	36	27	24	21	17	13	11	10
Mini-E 3-3	3.0 kW @ 277 V	64	49	43	38	30	24	19	18	36	27	24	21	17	13	11	10
Mini-E 3.5-1	3.5 kW @ 110-120 V	75	57	50	45	35	28	22	21	42	32	28	25	19	16	12	12
Mini-E 4-2	2.6 kW @ 208 V	55	42	37	33	25	20	16	15	31	23	21	18	14	11	9	8
	3.5 kW @ 220-240 V	75	57	50	45	35	28	22	21	42	32	28	25	19	16	12	12
Mini-E 4-3	4.1 kW @ 277 V	87	67	58	53	41	33	26	25	48	37	32	29	23	18	14	14
Mini-E 6-2	4.3 kW @ 208 V	-	-	61	55	42	34	27	25	-	-	34	31	23	19	15	14
	5.7 kW @ 220-240 V	-	-	81	73	56	45	36	34	-	-	45	41	31	25	20	19
Mini-E 6-3	5.5 kW @ 277 V	117	89	78	71	54	44	35	33	65	49	43	39	30	24	19	18

