

Mini_™ & Mini_™-E Electric Tankless Water Heaters

Engineer/Architect:	Date:							
Job Name/Customer:	_ Phone:							
Location:	Date Req	Date Required:						
Contractor:			Phone:					
Water Heater Specifications	Item No.	Quantity	kW	Voltage	Amperage			
Model # Mini™								

Applications

Commercial > Industrial > Institutional

- › Office Buildings
- > Schools
- StoresMalls
- > Hotels / Motels

> Gas Stations

- > Warehouses
- > Commercial Condominiums
- > Restaurants
- > 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 incidential 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.

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

Specifications

MECHANICAL MODELS > Item no. THERMOSTATIC MODELS > Item no.	Mini _{1m} 2-1 231045 Mini _{1m} -E 2-1 236011	Mini _™ 2.5-1 232098 Mini _™ -E 2.5-1 236135	Mini _{1M} 3-1 220816 Mini _{1M} -E 3-1 236010	Mini _™ -E 3-3 206427	Mini _™ 3.5-1 232099 Mini _™ -E 3.5-1 236136	Mini _™ 4-2 222039 Mini _™ -E 4-2 236009		Mini ₁₁₄ -E 4-3 206428	Mini _™ 6-2 220817 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 15 A 13 A 15 A (DP)		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 GPI 1.5 l/mi			0.77 GPN 2.9 l/mi	•	
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 un	its are adjustab	le from 86-12	2°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 r	mm x W 7 ¹ / ₂ " /	190 mm x D 3	3 ¹ / ₄ " / 82 mm	3.44 lb / 1.56 k	g					
Water volume in unit	0.026 gal / 0.	1 l									
Working pressure	150 psi / 10 B	AR									
Tested to pressure	300 psi / 20 E	AR									
Water connections ⁴	³/ ₈ " 0.D. flexi	ble braided stai	nless steel ho	se 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.

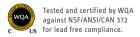
Mini™ 6-2 ships with a 1.0 GPM pressure compensating flow-reducer/aerator that must be installed.

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.

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



ISO 9001

Temp. rise above incoming water temp. (°F) (GPM = $kW \times 6.83 / \Delta t$)

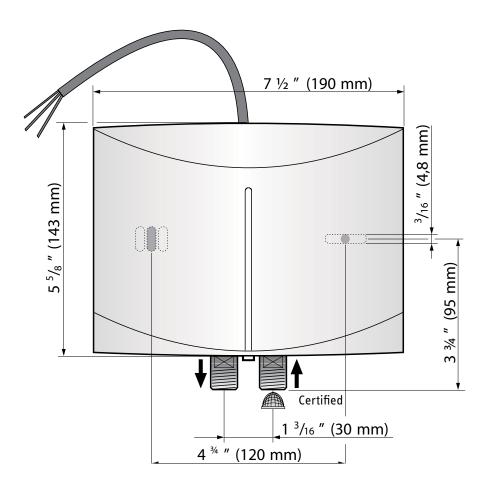
Temp. rise above incoming water temp. (°C)

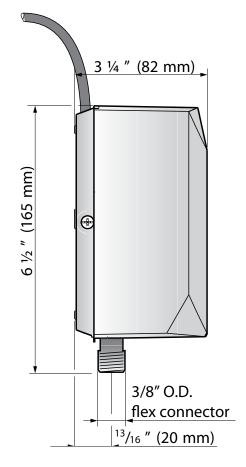
		GPM	GPM							I/min							
Unit	Heating Capacity	0.32	0.42	0.48	0.53	0.69	0.85	1.06	1.14	1.2	1.6	1.8	2.0	2.6	3.2	4.0	4.3
Mini-E 2-1*	1.8 kW @ 110-120 V	39	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-
Mini-E 2.5-1	2.4 kW @ 110-120 V	51	39	34	30	24	19	15	14	28	22	19	17	13	11	8	8
Mini-E 3-1	3.0 kW @ 110-120 V	64	49	43	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	-		— 4 5	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

 $^{^{\}mbox{\tiny 1}}$ Nominal mains voltage is 110-120V and 220-240V.

²This 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.















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