STIEBEL ELTRON

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 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.

STIEBEL ELTRON 17 West St., W. Hatfield, MA 01088 | 800.582.8423 | 413.247.3380 | fax 413.247.3369 | info@stiebel-eltron-usa.com | www.stiebel-eltron-usa.com

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.

ISO 9001 CERTIFIED

Mechanical models: / Thermostatic models:	Mini™ 2-1 231045 / Mini™-E 2-1 236011	Mini™ 2.5-1 232098 / Mini™-E 2.5-1 236135	Mini™ 3-1 220816 / Mini™-E 3-1 236010	Mini™ 3.5-1 232099 / Mini™-E 3.5-1 236136	Mini™ 4-2 222039 / Mini™-E 4-2 236009		Mini™ 6-2 220817 / 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)	0.30 gpm (1.15 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	**Width** 7½″ (19.0 cm) x **Height** 6½″ (16.5 cm) x **Depth** 3¼″ (8.2 cm)							
Water volume in unit	0.026 gal (0.1 l)							
Minimum pressure	30 psi (2 bar)							
Working pressure	150 psi (10 bar)							
Tested to pressure	300 psi (20 bar)							
Water connections[4]	⅜″ 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 122 °F.

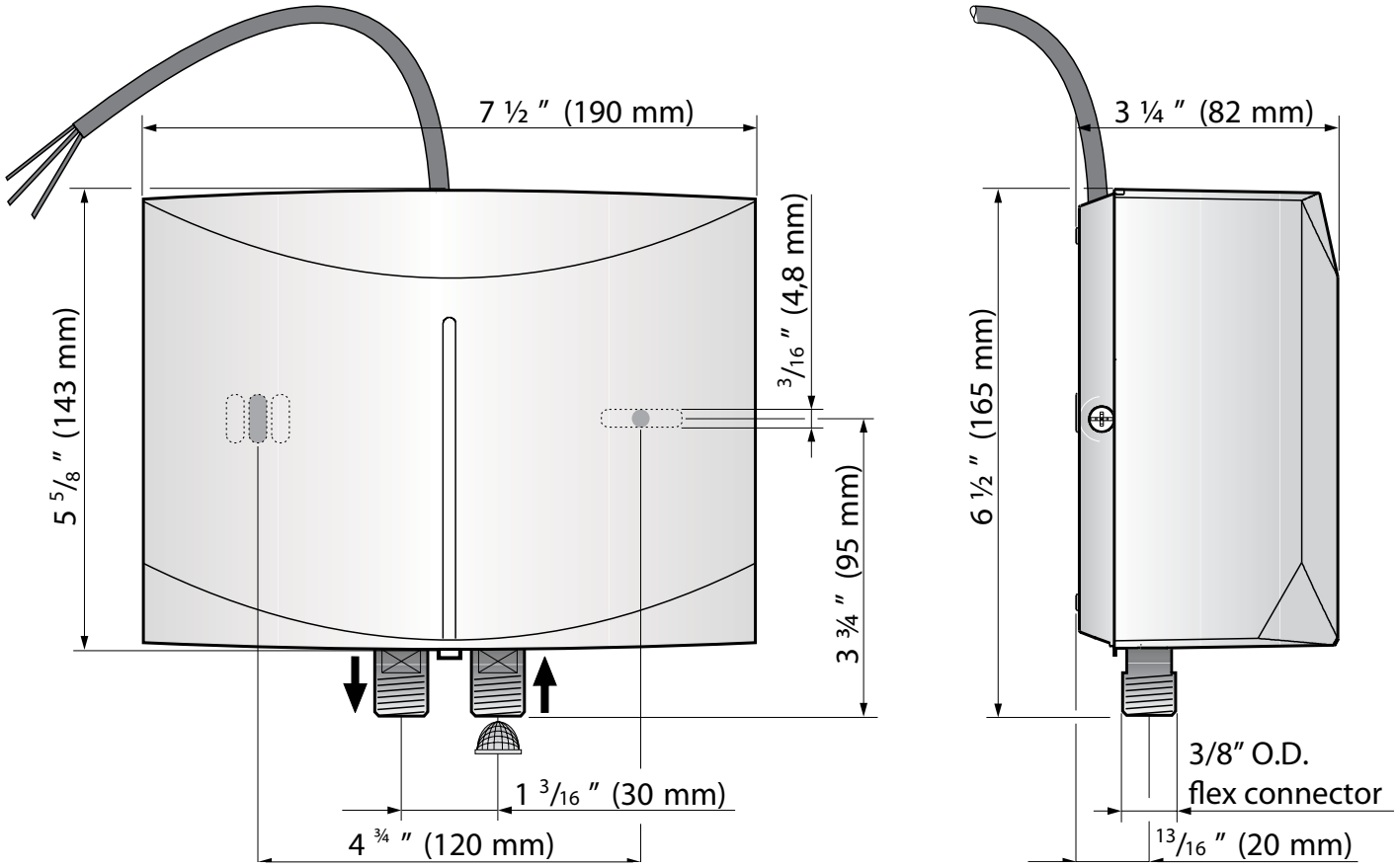
- Mini™ models suitable for inlet cold water supply only.
- Mini™-E models suitable for supply inlet max. 122 °F.
- Mini™ 2-1 internally restricted to 0.32 gpm
- Mini™-E 2-1 internally restricted to 0.40 gpm

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

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

		GPM								l/min							
Model	**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 3.5-1	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 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

Dimensions



Intertek

Certified to ANSI/UL Std. 499

Conforms to CAN/CSA

E335-1 & E335-2-35

10/3 YEAR LIMITED WARRANTY

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

ISO 9001 CERTIFIED

MADE IN GERMANY

FINAL ASSEMBLY IN U.S.A.

rev. 3.2022 Due to our continuous process of engineering and technological advancement, specifications may change without notice.

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