

Commercial Application Point-of-Use Tankless Electric

STIEBEL ELTRON

Simply the Best

Mini™ | DHC Classic | Mini™-E | DHC-E | Tempra®



The Finest Tankless Electric Water Heaters Available!

- › On-demand, continuous, unlimited hot water
- › No venting required
- › Exclusive design prevents dry firing
- › Saves space
- › 99% efficiency & no standby losses



ISO 9001
CERTIFIED



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

800.582.8423

www.stiebel-eltron-usa.com

Tankless electric water heaters for point-of-use



Superior, Reliable & Energy Saving Performance | All Stiebel Eltron tankless electric water heaters have flow and temperature sensors. Electronic models feed their readings into proprietary microprocessor controls. Auto-modulation ensures that heating elements are engaged in stages, achieving the water temperature desired, with the lowest possible energy usage. Both the input and output water temperature and the flow rate are continually monitored. This smart Electronic Temperature Control microprocessor technology ensures steady output at the set point temperature even if flow rates vary up or down. Tankless electric water heaters from other manufacturers don't maintain steady temperature if the incoming flow rate varies.

Best Warranty in the Industry | Stiebel Eltron has an enviable track record of engineering excellence and product quality. The three-year parts warranty is unique in the industry. You can depend on a Stiebel Eltron tankless electric water heater for many years to come.

Superior Engineering in Every Way | Electronic models are completely silent in operation. Mechanical models are virtually silent. All models feature an exclusive design that prevents failure from dry-firing, plus manual safety high-limit cutoffs.

Simple Design of Plumbing System | There is no need for a T & P valve, drain or mixing valve. The design of the hot water plumbing system is very simple and straightforward.

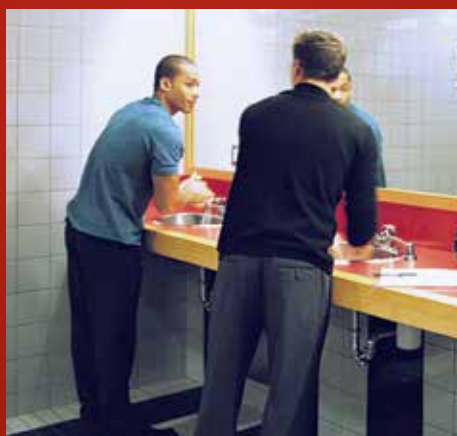
Sleek Design Fits in Anywhere | Due to their compact dimensions, these water heaters may be installed close to draw-off points to minimize piping runs and also in areas where larger devices will not fit. The attractive housings may be left unconcealed in many applications.

Code Compliance Made Easy | A water temperature required by code can simply be dialed in on all electronic models. The accuracy of the water temperature is guaranteed by sophisticated electronics. The DHC-E and Tempra® can supply up to 140 °F (60 °C) water when health codes call for it. They can also be set internally to limit output temperature to a maximum of 109 °F (43 °C) where scalding water is a hazard. Mini™-E and DHC-E models have optional externally attached mixing valve assemblies for installations where UPC code compliance is a necessity. No need to worry about mixing valves that go out of adjustment and wear out. At the same time, when lower, non-scalding temperatures are needed, the advanced electronics of the DHC-E / Tempra® ensure what you set is what you get.

Seismic Proof Construction | These tankless water heaters are not subject to seismic code. There is no need for preventative construction, as required with bulky water storage heating systems.

No Venting Required | The units are electric and require no venting. This allows for installation possibilities not possible for gas units.

These are the ones that work.



Stiebel Eltron Mini™, DHC Classic, DHC-E & Tempra® Tankless Electric Water Heaters deliver instant hot water, and can eliminate time waiting for hot water, preserve precious water resources, and save energy.



7 years leakage/
3 years parts.
Complete warranty online.

Electronic Model Temperature Control |

The Mini-E is factory-set internally to deliver maximum 100°F (38°C) water temperature. It can be field set or custom ordered to deliver a different water temperature. Tempra® is adjusted on the front cover to set output water temperature between 68 to 140°F (20–60°C). DHC-E is adjusted on the front cover to set output water temperature between 86 to 140°F (30–60°C).

Superior Technical Support

Stiebel Eltron's knowledgeable customer support staff can offer product and sizing recommendations as well as help with troubleshooting and technical questions.

800.582.8423

| | Mini.. | Mini..-E | DHC Classic | DHC-E | Tempra® |
|--------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Best applications | single handwashing sink | single handwashing sink | single sink | multiple handwashing sinks or single high flow sink | multiple handwashing sinks or single high flow sink |
| Mechanical or electronic | Mechanical | Electronic | Mechanical | Electronic | Electronic |
| Installation orientations | below or above sink water connections pointing up or down | below or above sink water connections pointing up or down | below or above sink water connections pointing down | below or above sink water connections pointing down | below or above sink water connections pointing down |
| Voltages available | 120/240 V | 120/240 V | 120/240/277 V | 240 V | 240 V |
| Output range for model | 1.8 – 5.7 kW | 1.8 – 5.7 kW | 3 – 9.6 kW | 7.2 – 12 kW | 12 – 36 kW |
| Power draw for model | 14.6 – 29 A | 14.6 – 29 A | 14 – 40 A | 30 – 50 A | 50 – 150 A |
| Activation flow rate (varies by kW) | 0.21, 0.40, 0.77 gpm | 0.21, 0.30, 0.48 gpm | 0.32, 0.43, 0.48, 0.69, 0.8 gpm | 0.264 gpm | 0.37, 0.50, 0.77 gpm |
| Temperature rise range (approx.) | ~30°F | ~30°F | ~30–80°F | ~20–90°F | ~30–90°F |
| Temperature selector | no | yes | no | yes | yes |
| Width/height/depth | 7½ / 6½ / 3¼ inches 19.0 / 16.5 / 8.2 cm | 7½ / 6½ / 3¼ inches 19.0 / 16.5 / 8.2 cm | 7 ¹⁵ / ₁₆ / 14 ³ / ₁₆ / 3 ⁷ / ₈ inches 20.2 / 36.0 / 9.8 cm | 7 ⁷ / ₁₆ / 14 ³ / ₁₆ / 4 ¹ / ₁₆ inches 20.0 / 36.0 / 10.4 cm | 16 ⁵ / ₈ / 14½ / 4 ⁵ / ₈ inches 42.0 / 36.9 / 11.7 cm |

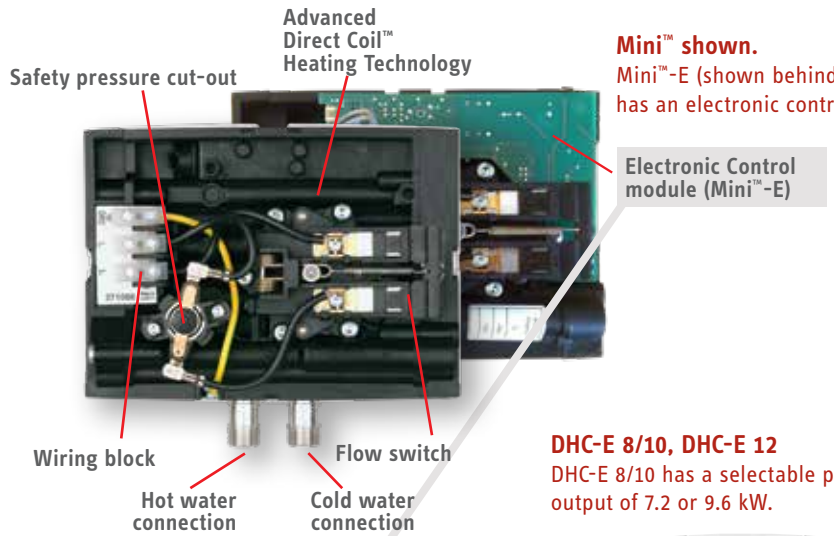
STIEBEL ELTRON

Engineering & Manufacturing Excellence Since 1924

Take The Cover Off | Whether it is our solid copper or our Advanced Direct Coil™ heating system, we're happy to have you take the cover off. We've done our homework for over 90 years. As an international leader in the tankless electric water heating industry, Stiebel Eltron is proud to have invented and pioneered tankless water heating technology. Our German engineering and manufacturing tradition of excellence means that you can depend on the performance of all our products for many years to come.

Advanced Direct Coil™ Heating System in Mini™ and Mini™-E | Mini™ and Mini™-E feature our Direct Coil™ heating system. The ultra-reliable Mini™ and Mini™-E are more powerful than their small size might lead you to think.

Tempra® Trend & Tempra® Plus with Advanced Flow Control™ | Advanced Flow Control™, invented by Stiebel Eltron and awarded German patent DE 3805441 C2 and other patents, is exclusive to Tempra® Plus. No other manufacturer of tankless electric water heaters has anything like it. Advanced Flow Control™ ensures constant temperature output at the set point. No matter how great the demand is for hot water, even if it is temporarily greater than capacity, Advanced Flow Control™ automatically reduces water flow slightly to maintain delivery at the desired temperature.



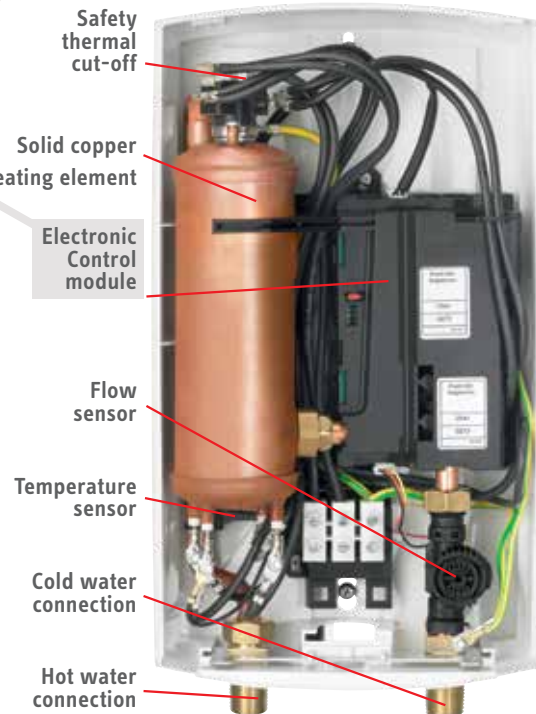
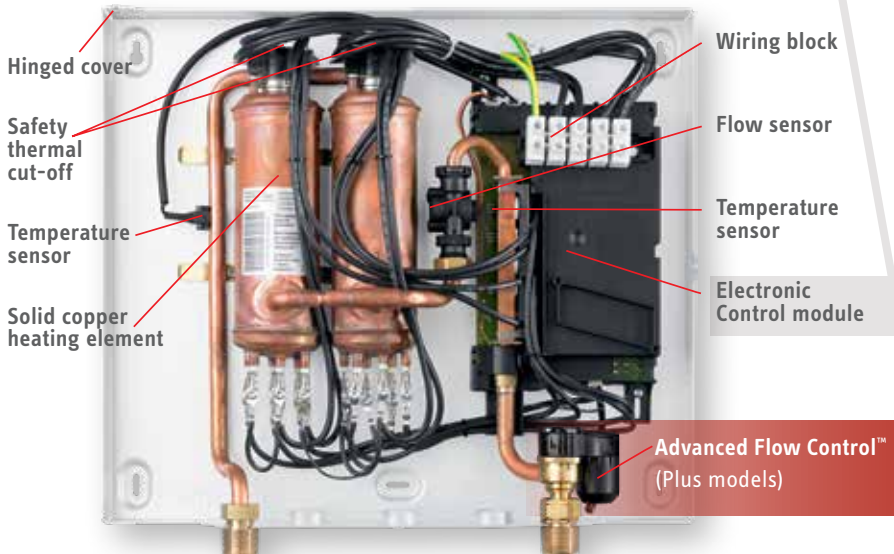
Mini™ shown.
Mini™-E (shown behind Mini™) has an electronic control board.

DHC-E 8/10, DHC-E 12
DHC-E 8/10 has a selectable power output of 7.2 or 9.6 kW.

Variable Flow
Steady Temperature

Our exclusive Electronic Temperature Control compensates for flow rate fluctuations to maintain constant temperature output. Tankless electric water heaters from other manufacturers do not maintain steady temperature if flow varies. Stiebel Eltron electronically-controlled models deliver consistent comfort – every time – all the time.

Tempra® 15, 20 or 24 Plus shown.
Tempra® 12 has one heating element,
Tempra® 29 & 36 have three heating elements.



Advanced Flow Control™ in Tempra® Plus was invented by Stiebel Eltron. No other manufacturer of tankless electric has anything like it.

The Right Size for the Application

COMMERCIAL POINT-OF-USE SIZING GUIDES

42°F 52°F 62°F 72°F

Mini™/Mini-E 2-1 | Min. activation 0.21 GPM | Internally restricted to 0.32 / 0.40 GPM

| | | | | |
|------------------------|----------|----------|-----------------|-----------------|
| MAX. FLOW RATE | 0.26 GPM | 0.32 GPM | 0.32 / 0.40 GPM | 0.32 / 0.40 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Mini™/Mini-E 2.5-1 | Min. activation 0.40 / 0.30 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.34 GPM | 0.43 GPM | 0.59 GPM | 0.91 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Mini™/Mini-E 3-1 | Min. activation 0.40 / 0.30 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.43 GPM | 0.54 GPM | 0.73 GPM | 1.14 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Mini™/Mini-E 3.5-1 OR Mini™/Mini-E 4-2 | Min. activation 0.40 / 0.30 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.50 GPM | 0.63 GPM | 0.85 GPM | 1.33 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Mini™/Mini-E 6-2 | Min. activation 0.77 / 0.48 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.81 GPM | 1.02 GPM | 1.39 GPM | 2.16 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 3-1 Classic | Min. activation 0.32 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.43 GPM | 0.54 GPM | 0.73 GPM | 1.14 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 3-2 Classic | Min. activation 0.32 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.47 GPM | 0.59 GPM | 0.81 GPM | 1.25 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 4-2 Classic | Min. activation 0.43 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.54 GPM | 0.68 GPM | 0.93 GPM | 1.44 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 4-3 Classic | Min. activation 0.43 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.64 GPM | 0.81 GPM | 1.10 GPM | 1.71 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 5-2 Classic | Min. activation 0.43 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.68 GPM | 0.86 GPM | 1.17 GPM | 1.82 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 6-2/6-3 Classic | Min. activation 0.48 GPM

| | | | | |
|------------------------|----------|----------|----------|----------|
| MAX. FLOW RATE | 0.85 GPM | 1.08 GPM | 1.46 GPM | 2.28 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 8-2 Classic | Min. activation 0.69 GPM

| | | | | |
|------------------------|----------|----------|----------|-----------------|
| MAX. FLOW RATE | 1.02 GPM | 1.29 GPM | 1.76 GPM | 2.73 / 1.02 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC 9-3 Classic | Min. activation 0.8 GPM

| | | | | |
|------------------------|----------|-----------------|----------------|-----------------|
| MAX. FLOW RATE | 1.28 GPM | 1.62 / 0.90 GPM | 2.2 / 1.06 GPM | 3.42 / 1.28 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

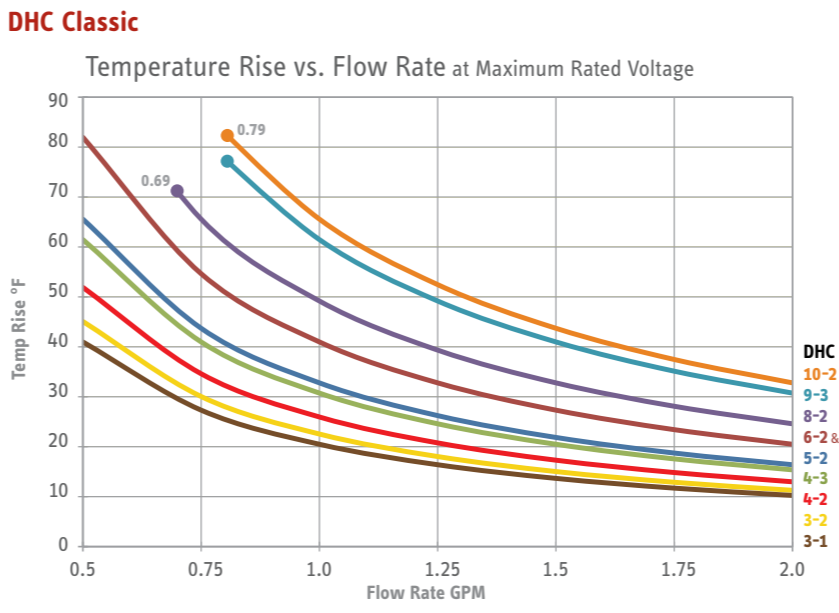
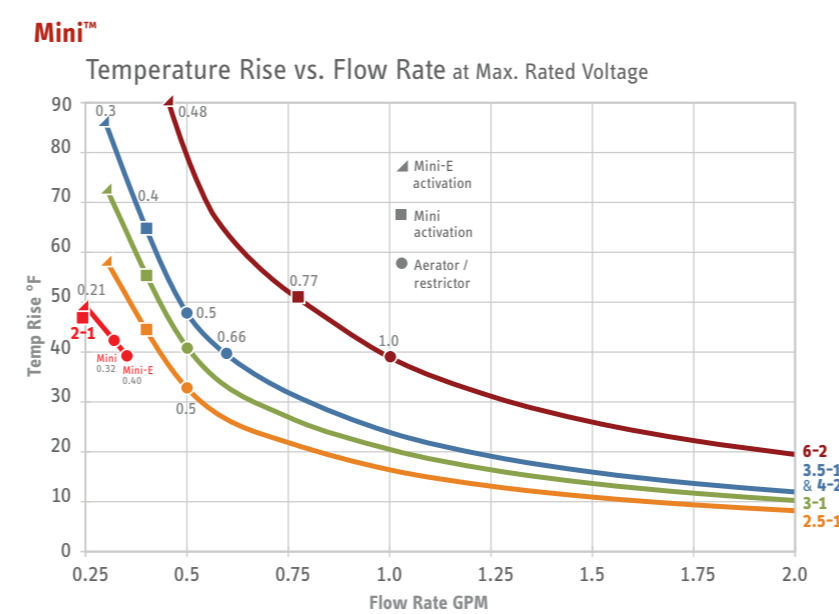
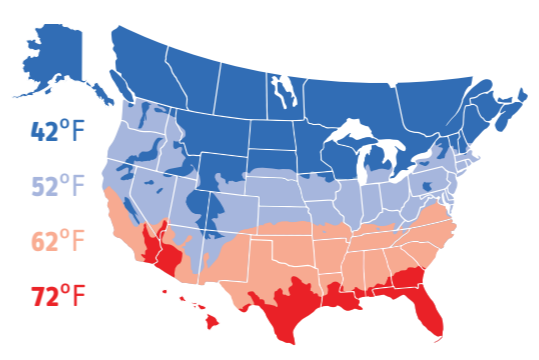
DHC 10-2 Classic | Min. activation 0.8 GPM

| | | | | |
|------------------------|----------|-----------------|-----------------|-----------------|
| MAX. FLOW RATE | 1.37 GPM | 1.73 / 0.96 GPM | 2.34 / 1.13 GPM | 3.64 / 1.37 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

These guides show possible point-of-use fixture or fixtures for use with each model and size. They are not intended for whole house sizing. Use actual achievable flow rates to determine if a particular model and size will deliver the temperature and flow rate required for the installed fixture.

FIXTURES & FLOW RATES

- SHOWING POSSIBLE MODEL SUITABILITY TEMP. FOR MAX. FLOW RATE CALCULATION
- SINGLE LAV SINK (Range 0.5-1.5)
 - MULTIPLE SINKS (Number varies)
 - SHOWER (Range 1.0-2.5)
 - KITCHEN SINK (Range 1.0-2.2)
 - UTILITY/JANITOR'S SINK (Range 1.0-2.2)



42°F 52°F 62°F 72°F

DHC-E 8/10 @ 7.2 kW | Min. activation 0.264 GPM

| | | | | |
|------------------------|---------|---------|---------------|---------------|
| MAX. FLOW RATE | 1.0 GPM | 1.3 GPM | 1.7 / 1.0 GPM | 2.7 / 1.3 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC-E 8/10 @ 9.6 kW | Min. activation 0.264 GPM

| | | | | |
|------------------------|---------|---------|---------------|---------------------|
| MAX. FLOW RATE | 1.3 GPM | 1.7 GPM | 2.3 / 1.3 GPM | 3.6 / 1.7 / 1.3 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

DHC-E 12 Min. activation 0.264 GPM / **Tempra® 12** Trend & Plus Min. activation 0.37 GPM

| | | | | |
|------------------------|---------------|---------------|---------------------|---------------------|
| MAX. FLOW RATE | 1.7 / 1.2 GPM | 2.1 / 1.4 GPM | 2.9 / 1.7 / 1.4 GPM | 4.5 / 2.1 / 1.7 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Tempra® 15 Trend & Plus | Min. activation 0.50 GPM

| | | | | |
|------------------------|---------------|---------------------|---------------------|---------------------|
| MAX. FLOW RATE | 2.0 / 1.4 GPM | 2.6 / 1.7 / 1.4 GPM | 3.5 / 2.0 / 1.7 GPM | 5.4 / 2.6 / 2.0 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Tempra® 20 Trend & Plus | Min. activation 0.50 GPM

| | | | | |
|------------------------|---------------------|---------------------|---------------------|---------------------|
| MAX. FLOW RATE | 2.7 / 1.9 / 1.6 GPM | 3.4 / 2.2 / 1.9 GPM | 4.6 / 2.7 / 2.2 GPM | 7.2 / 3.4 / 2.7 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Tempra® 24 Trend & Plus | Min. activation 0.50 GPM

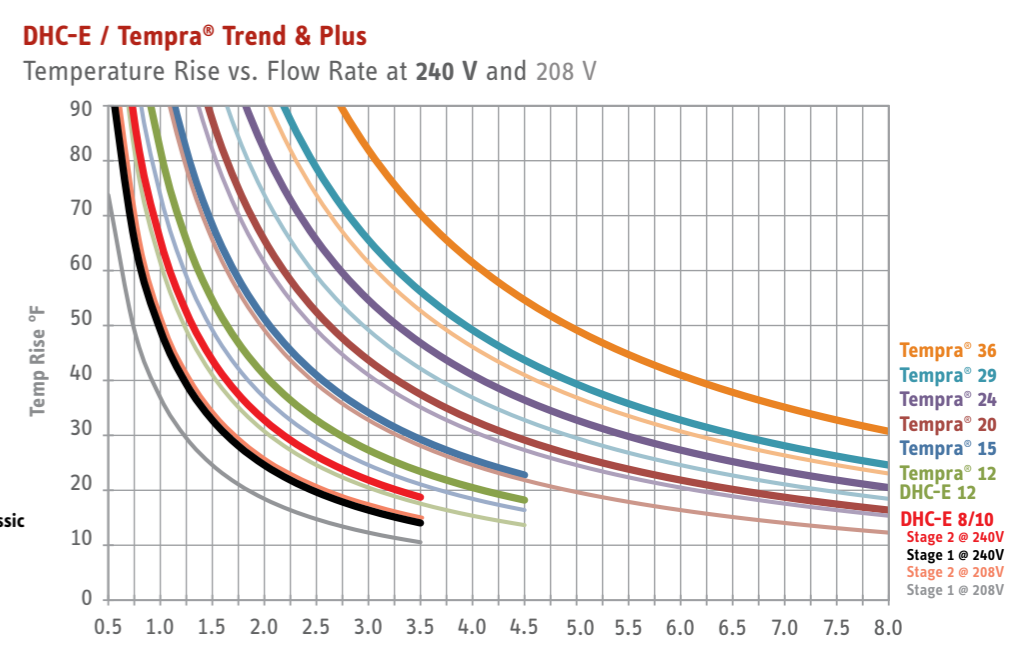
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|------------------------|---------------------|---------------------|---------------------|-------------------|
| MAX. FLOW RATE | 3.4 / 2.4 / 2.1 GPM | 4.3 / 2.8 / 2.4 GPM | 5.8 / 3.4 / 2.8 GPM | 8 / 4.3 / 3.4 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Tempra® 29 Trend & Plus | Min. activation 0.77 GPM

| | | | | |
|------------------------|---------------|---------------|---------------|-------------|
| MAX. FLOW RATE | 4.1 / 2.5 GPM | 5.1 / 2.9 GPM | 7.0 / 3.4 GPM | 8 / 4.1 GPM |
| POSSIBLE FIXTURE TYPES | | | | |

Tempra® 36 Trend & Plus | Min. activation 0.77 GPM

| | | | | |
|------------------------|---------------|---------------|-------------|-------------|
| MAX. FLOW RATE | 5.1 / 3.1 GPM | 6.4 / 3.6 GPM | 8 / 4.2 GPM | 8 / 5.1 GPM |
| POSSIBLE FIXTURE TYPES | | | | |



Looking for commercial/industrial 3-phase water heaters? Tankless, Inc. water heaters from Stiebel Eltron are available for demanding commercial, industrial, and safety applications in all common 3-phase voltages and sizes from 12 to 144 kW. Our 3-phase commercial/industrial direct line is 800.TANKLESS

Mini™ / Mini™-E

| 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) | 0.30 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 | 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 110-120V 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.

DHC Classic

| Model | DHC 3-1 Classic | DHC 3-2 Classic | DHC 4-2 Classic | DHC 4-3 Classic | DHC 5-2 Classic | DHC 6-2 Classic | DHC 6-3 Classic | DHC 8-2 Classic | DHC 9-3 Classic | DHC 10-2 Classic |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|
| Item no. | 202646 | 202647 | 202648 | 202649 | 202650 | 202651 | 202652 | 202653 | 202654 | 202655 |
| Phase - 50/60 Hz | 1 | | | | | | | | | |
| Voltage | 120 v | 240 v 208 v | 240 v 208 v | 277 v | 240 v 208 v | 240 v 208 v | 277 v | 240 v 208 v | 277 v | 240 v 208 v |
| Wattage | 3.0 kW | 3.3 kW 2.5 kW | 3.8 kW 2.9 kW | 4.5 kW | 4.8 kW 3.6 kW | 6.0 kW 4.5 kW | 6.0 kW | 7.2 kW 5.4 kW | 9.0 kW | 9.6 kW 7.2 kW |
| Amperage | 25 A | 14 A 12 A | 16 A 14 A | 17 A | 20 A 18 A | 25 A 22 A | 21.7 A | 30 A 26 A | 32.5 A | 40 A 35 A |
| Min. recommended circuit breaker size ¹ | 25 A | 15 A 15 A | 20 A 15 A | 20 A | 20 A 20 A | 25 A 25 A | 25 A | 30 A 30 A | 35 A | 40 A 35 A |
| Min. recommended wire size ² | 10/2 AWG | 14/2 AWG | 12/2 AWG 14/2 AWG | 12/2 AWG | 12/2 AWG | 10/2 AWG | 10/2 AWG | 10/2 AWG | 8/2 AWG | 8/2 AWG |
| Minimum water flow to activate unit | 0.32 gpm (1.2 l/min) | 0.32 gpm (1.2 l/min) | 0.43 gpm (1.6 l/min) | 0.43 gpm (1.6 l/min) | 0.43 gpm (1.6 l/min) | 0.48 gpm (1.8 l/min) | 0.48 gpm (1.6 l/min) | 0.69 gpm (2.6 l/min) | 0.8 gpm (3.0 l/min) | 0.8 gpm (3.0 l/min) |
| Weight | 5.5 lb (2.5 kg) | 4.6 lb (2.1 kg) | 4.6 lb (2.1 kg) | 4.6 lb (2.1 kg) | 4.6 lb (2.1 kg) | 5.5 lb (2.5 kg) | 5.5 lb (2.5 kg) | 5.5 lb (2.5 kg) | 5.5 lb (2.5 kg) | 5.5 lb (2.5 kg) |
| Dimensions | Width 7 ¹⁵ / ₁₆ " (20.2 cm) x Height 14 ³ / ₁₆ " (36.0 cm) x Depth 3 ⁷ / ₈ " (9.8 cm) | | | | | | | | | |
| Nominal water volume | 0.13 gal (0.5 l) | | | | | | | | | |
| Max. permissible inlet temperature | 86 °F (30 °C) | | | | | | | | | |
| Minimum pressure | 30 psi (2 bar) | | | | | | | | | |
| Working pressure | 150 psi (10 bar) | | | | | | | | | |
| Tested to pressure | 300 psi (20 bar) | | | | | | | | | |
| Water connections ³ | ½" NPT | | | | | | | | | |

DHC 3-1, 3-2, 4-2 Classic ship with a 0.5 gpm (1.9 l/min) pressure compensating flow-reducer/aerator that must be installed.

¹ This is our recommendation for overcurrent protection sized at 100% of load (DP for 240/208/277 V & SP for 120 V models).

Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

² Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

³ Suitable for supply with cold water only.

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info@stiebel-eltron-usa.com | www.stiebel-eltron-usa.com

Printed on chlorine-free paper using soy-based inks. *25-7.2020

| Model | Item Number | DHC-E 8/10* 224201 | | DHC-E 12 230628 | |
|--------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|-------|
| Phase | | single 50/60 Hz | | single 50/60 Hz | |
| Voltage | | 240 v or 208 v | | 240 v or 208 v | |
| Wattage | | 7.2/9.6 kW | 5.4/7.2 kW | 12 kW | 9 kW |
| Amperage | | 30/40 A | 26/35 A | 50 A | 44 A |
| Min. recommended circuit breaker ¹ (DP) | | 30/40 A | 30/35 A | 50 A | 50 A |
| Min. recommended wire size ² (copper) | | 10 AWG/8 AWG | | 8 AWG | |
| Maximum temperature increase above ambient water temp. | @ 0.75 GPM | 66/87 °F | 49/66 °F | 92 °F | 82 °F |
| | @ 1.00 GPM | 49/66 °F | 37/49 °F | 82 °F | 61 °F |
| | @ 1.50 GPM | 33/44 °F | 25/33 °F | 54 °F | 41 °F |
| | @ 2.25 GPM | - | - | 36 °F | 27 °F |
| | @ 3.00 GPM | - | - | 27 °F | 20 °F |
| Min. water flow to activate unit | | 0.264 gpm (1.0 l/min) | | | |
| Max. inlet water temperature | | 131 °F (55 °C) | | | |
| Weight | | 5.9 lb (2.7 kg) | | | |
| Nominal water volume | | 0.13 gal (0.5 l) | | | |
| Dimensions | | Width 7 ¹ / ₈ " (20.0 cm) x Height 14 ³ / ₁₆ " (36.0 cm) x Depth 4 ¹ / ₈ " (11.0 cm) | | | |
| Minimum pressure | | 30 psi (2 bar) | | | |
| Working pressure | | 150 psi (10 bar) | | | |
| Tested to pressure | | 300 psi (20 bar) | | | |
| Water connections | | 1/2" NPT | | | |

*DHC-E 8/10 is a single unit that is switchable at installation via jumper for output at 7.2 kW (Stage 1) or 9.6 kW (Stage 2).

¹ Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load.

² Copper conductors with a temperature rating of 75 °C or greater must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load. These are our recommendations. Check local codes for compliance if necessary.



Intertek

Mini™:
Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. E335-1
& E335-2-35
DHC Classic:
Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. E335-1/3E
& E60335-2-35
Mini™-E / DHC-E:
Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. C22.2 No. 64
Tempra®:
Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. C22.2 No. 88



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

**ISO 9001
CERTIFIED**

Tempra® Trend & Plus

| Tempra® Model Item Number | 12 Trend 239213 | | 15 Trend 239214 | | 20 Trend 239215 | | 24 Trend ³ 239216 | | 29 Trend ⁴ 239217 | | 36 Trend ⁵ 239218 | |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|
| | 12 Plus 239219 | | 15 Plus 239220 | | 20 Plus 239221 | | 24 Plus ³ 239222 | | 29 Plus ⁴ 239223 | | 36 Plus ⁵ 239225 | |
| Phase | single 50/60 Hz | | single ⁶ 50/60 Hz | | single ⁶ 50/60 Hz | | single ⁶ 50/60 Hz | | single ⁶ 50/60 Hz | | single ⁶ 50/60 Hz | |
| Voltage | 240 V or 208 V | | 240 V or 208 V | | 240 V or 208 V | | 240 V or 208 V | | 240 V or 208 V | | 240 V or 208 V | |
| Wattage | 12 kW | 9 kW | 14.4 kW | 10.8 kW | 19.2 kW | 14.4 kW | 24 kW | 18 kW | 28.8 kW | 21.6 kW | 36 kW | 27 kW |
| Amperage draw | 50 A | 44 A | 2 x 30 A | 2 x 26 A | 2 x 40 A | 2 x 35 A | 2 x 50 A | 2 x 44 A | 3 x 40 A | 3 x 35 A | 3 x 50 A | 3 x 44 A |
| Number & min. recommended size of circuit breakers ¹ (DP) | 1 x 50 A | | 2 x 30 A | | 2 x 40 A | | 2 x 50 A | | 3 x 40 A | | 3 x 50 A | |
| Number of runs & min. recommended wire size ² (copper) | 1 x 8/2 AWG | | 2 x 10/2 AWG | | 2 x 8/2 AWG | | 2 x 8/2 AWG | | 3 x 8/2 AWG | | 3 x 8/2 AWG | |
| Maximum temperature increase above ambient water temp. | @ 1.50 GPM | 54 °F | 41 °F | 65 °F | 49 °F | 88 °F | 66 °F | 92 °F | 82 °F | 92 °F | 92 °F | 92 °F |
| | @ 2.25 GPM | 36 °F | 27 °F | 43 °F | 37 °F | 58 °F | 44 °F | 73 °F | 54 °F | 87 °F | 66 °F | 92 °F |
| | @ 3.00 GPM | 27 °F | 20 °F | 33 °F | 25 °F | 44 °F | 33 °F | 54 °F | 41 °F | 66 °F | 49 °F | 82 °F |
| | @ 4.50 GPM | - | - | - | - | 29 °F | 22 °F | 37 °F | 27 °F | 44 °F | 33 °F | 55 °F |
| Min. water flow to activate unit | 0.37 gpm (1.4 l/min) | | 0.50 gpm (1.9 l/min) | | 0.50 gpm (1.9 l/min) | | 0.50 gpm (1.9 l/min) | | 0.77 gpm (2.9 l/min) | | 0.77 gpm (2.9 l/min) | |
| Weight | 13.5 lb (6.1 kg) | | 16.1 lb (7.3 kg) | | 16.1 lb (7.3 kg) | | 16.1 lb (7.3 kg) | | 19.0 lb (8.6 kg) | | 19.0 lb (8.6 kg) | |
| Nominal water volume | 0.13 gal (0.5 l) | | 0.26 gal (1.0 l) | | 0.26 gal (1.0 l) | | 0.26 gal (1.0 l) | | 0.39 gal (1.5 l) | | 0.39 gal (1.5 l) | |
| Max. inlet water temperature | 131 °F (55 °C) | | | | | | | | | | | |
| Dimensions | Width 16 ³ / ₈ " (42.0 cm) x Height 14 ¹ / ₂ " (36.9 cm) x Depth 4 ³ / ₈ " (11.7 cm) | | | | | | | | | | | |
| Minimum pressure | 30 psi (2 bar) | | | | | | | | | | | |
| Working pressure | 150 psi (10 bar) | | | | | | | | | | | |
| Tested to pressure | 300 psi (20 bar) | | | | | | | | | | | |
| Water connections | 3/4" NPT | | | | | | | | | | | |

¹ Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load.

² Copper conductors with a temperature rating of 75 °C or greater must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

³ Requires minimum 150 A main service. ⁴ Requires 200 A main service. ⁵ Requires 300 A main service.

⁶ 29 Trend/Plus & 36 Trend/Plus may be wired for balanced 3-phase 208 V. 15 Trend/Plus, 20 Trend/Plus, 24 Trend/Plus may be wired for unbalanced 3-phase 208 V.

These are our recommendations. Check local codes for compliance if necessary.

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