

# STIEBEL ELTRON

Simply the Best

## Commercial Application Point-of-Use Tankless Electric

Mini™ & Mini™-E | DHC Classic & DHC-E Classic

DHC Trend | DHC-E Trend & Plus | Tempra® Trend & Plus

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



The world leader in advanced  
water heating technology since 1924



ISO 9001  
CERTIFIED



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

800.582.8423

[www.stiebel-eltron-usa.com](http://www.stiebel-eltron-usa.com)



Copper models



Direct Coil™ models

Complete warranty online.

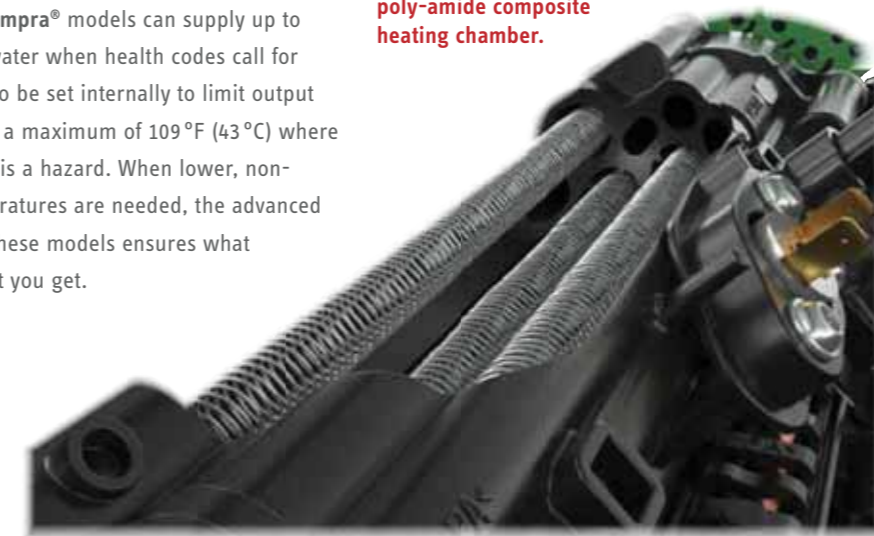
**Superior Warranty & Superior Technical Support**

Stiebel Eltron has an enviable track record of engineering excellence and product quality. The three-year parts warranty is unique in the industry. And our already long 7 year leak warranty for copper heating models has been extended to 10 years for all Direct Coil™ models. You can depend on a Stiebel Eltron tankless electric water heater for many years to come.

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™-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 an internal mixing valve to go out of adjustment or wear out.

**At the heart of Stiebel Eltron’s most advanced and revolutionary Direct Coil™ heating system is a robust nichrome heating coil and a bullet-proof poly-amide composite heating chamber.**



larger devices will not fit, and close to draw-off points to minimize piping runs. 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 Classic, Trend, and Plus models, and Temptra® models 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. When lower, non-scalding temperatures are needed, the advanced electronics of these models ensures what you set is what you get.

desired constant temperature, the amount of hot water and its temperature depends on the incoming cold-water temperature and the size of the model installed. The correct model size should be chosen using our Sizing Guide. As always, our renowned technical support department is available for advice.

**Superior, Reliable & Energy Saving Performance**

All Stiebel Eltron electric tankless water heaters have flow and temperature sensors. Auto-modulation in electronic models ensures that heating elements are engaged in stages, achieving desired water temperature with the lowest possible energy usage. In all models, input and output water temperature and flow rate are continually monitored. This smart microprocessor Electronic Temperature Control technology ensures steady output at the set point temperature even as flow rates vary up or down. Tankless electric water heaters from other manufacturers don’t maintain steady temperature as the incoming flow rate varies.

**Sleek Design Fits in Anywhere** | Due to their compact dimensions and no need for venting, these water heaters may be installed in areas where

do not store hot water like tank water heaters. No venting is required and the compact European design can be installed with the unit visible.

Micro-processor control, flow sensor, and our newly patented air detection system completely eliminate dry-fire. And of course these new models have a safety high-limit with a manual control. Activation rate for all new Direct Coil™ models is a low 0.264 GPM.

**Model-specific features** | Intended for trouble-free installation without user tampering, DHC Trend models have no screen or temperature adjustment. They are sized by choosing the correct power output for the particular flow rate and temperature rise needed for an installation.

DHC-E Trend and DHC-E Plus are equipped with digital display screens. Desired output temperature is easily set using the dial and display on the cover. These models also have additional electronic features that include memory settings, flow rate and energy usage display, and an ECO mode.

While these models excel at supplying water at the

**The latest water heating technology revolution** | Our newest models, DHC Trend, DHC-E Trend, and DHC-E Plus incorporate our Direct Coil™ heating system. Stiebel Eltron’s most advanced technology, our Direct Coil™ has proven worldwide to be exceptionally low-failure, including in our Mini™ water heaters, with outstanding added benefits.

The robust and trouble-free Direct Coil™ heating system is self-cleaning for superior limescale resistance, and includes added benefits of faster heat-up time, lower latent heat retention, and more.

**Switchable models** | Expanding on the well-received innovation of our DHC-E 8/10, the entire line of new Direct Coil™ models are switchable at installation to one of two power outputs. This provides extraordinary flexibility for an installation while simplifying model choice. Switching power outputs is as simple as changing a jumper.

**Largest Point-of-Use with Exclusive Advanced Flow Control™** | In addition to now offering the largest point-of-use model available with 14.4 kW of power, the new Direct Coil™ DHC-E models are available in our Plus configuration.

The Direct Coil™ heating system in the DHC-E Plus models includes Advanced Flow Control™. Patented in Germany, and exclusive to Stiebel Eltron tankless heaters, Advanced Flow Control™ has been a feature of our whole-house Temptra Plus models for years. If hot water demand exceeds working capacity, Advanced Flow Control™ automatically maintains consistent temperatures by slightly reducing flow.

Now available in the DHC-E 8/10-2 Plus and DHC-E 12/15-2 Plus, Advanced Flow Control™ allows installation of a single water heater to satisfy multiple sinks. A Direct Coil™ DHC-E Plus will provide the correct temperature water at multiple sinks at the same time, without delivering colder water if the system is overloaded by one too many taps being opened.

**Superior, Reliable & Energy Saving Performance**

In addition to the special benefits of Direct Coil™ technology, the new models include the benefits that are part of the entire Stiebel Eltron electric tankless line.

Ideal for both residential and commercial point-of-use sink applications, these new Direct Coil™ models heat water endlessly on demand at 99% efficiency. They have no stand-by energy losses because they

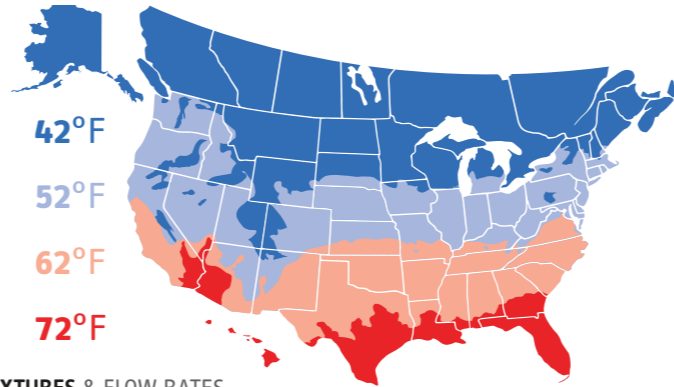
	Mini™	Mini™-E	DHC Classic	DHC-E Classic	DHC Trend	DHC-E Trend & Plus	Temptra® Trend & Plus
<b>Best applications</b>	single handwashing sink	single handwashing sink for commercial code-compliance	single sink	multiple handwashing sinks or single high flow sink	single handwashing sink	multiple handwashing sinks single high flow sink (larger sizes)	multiple handwashing sinks single high flow sink
<b>Heating system</b>	Direct Coil™	Direct Coil™	Copper	Copper	Direct Coil™	Direct Coil™	Copper
<b>Mechanical or electronic</b>	Mechanical	Electronic	Mechanical	Electronic	Electronic	Electronic	Electronic
<b>Special features</b>		accepts input water up to 122°F		accepts input water up to 131°F	accepts input water up to 149°F*	accepts input water up to 149°F* Plus models have Advanced Flow Control™	accepts input water up to 131°F Plus models have Advanced Flow Control™
<b>Installation orientations</b>	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	below or above sink; water connections pointing down	below or above sink; water connections pointing down
<b>Voltages available</b>	120/240 V	120/240 V	120/240/277 V	240 V	120/240 V	120/240 V	240 V
<b>Output range for model</b>	1.8 – 5.7 kW	1.8 – 5.7 kW	3 – 9.6 kW	7.2 – 12 kW			12 – 36 kW
<b>Power draw for model</b>	14.6 – 29 A	14.6 – 29 A	14 – 40 A	30 – 50 A			50 – 150 A
<b>Activation flow rate (varies by kW)</b>	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	0.264 gpm	0.264 gpm	0.37, 0.50, 0.77 gpm
<b>Temperature rise range (approx.)</b>	~30 °F	~30 °F	~30-80 °F	~20-90 °F	~20-90 °F	~20-90 °F	~30-90 °F
<b>Temperature selector</b>	no	yes	no	yes	no	yes	yes
<b>Display screen</b>	no	no	no	no	yes	yes	yes
<b>Width/height/depth</b>	7½ / 6½ / 3¼ inches 19.0 / 16.5 / 8.2 cm	7½ / 6½ / 3¼ inches 19.0 / 16.5 / 8.2 cm	7½ / 14¾ / 3⅞ inches 20.2 / 36.0 / 9.8 cm	7⅞ / 14¾ / 4⅞ inches 20.0 / 36.0 / 10.4 cm			16⅝ / 14½ / 4⅝ inches 42.0 / 36.9 / 11.7 cm
<b>Warranty</b>	10/3	10/3	7/3	7/3	10/3	10/3	7/3

\*Max input water 149°F; max input water that would be heated 131°F; max. temperature output 140°F.

# Commercial Point-of-Use Sizing Guides

	42°F	52°F	62°F	72°F
<b>1.8 kW Mini./Mini.-E 2-1</b> 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				
<b>2.4 kW Mini./Mini.-E 2.5-1</b> 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-E 2.5-1 only			
<b>3.0 kW Mini./Mini.-E 3-1</b> Min. activation 0.40 / 0.30 gpm				
<b>DHC 3-1 Classic</b> Min. activation 0.32 gpm				
<b>DHC 3/3.5-1 Trend &amp; Plus @ 3.0 kW output</b> Min. activation 0.26 gpm				
MAX. FLOW RATE	0.43 GPM	0.54 GPM	0.73 GPM	1.14 GPM
POSSIBLE FIXTURE TYPES				
<b>3.4 kW DHC 3-2 Classic</b> Min. activation 0.32 gpm				
MAX. FLOW RATE	0.47 GPM	0.59 GPM	0.81 GPM	1.25 GPM
POSSIBLE FIXTURE TYPES				
<b>3.5 kW Mini./Mini.-E 3.5-1</b> Min. activation 0.40 / 0.30 gpm				
<b>Mini./Mini.-E 4-2</b> Min. activation 0.40 / 0.30 gpm				
<b>DHC 3/3.5-1 Trend &amp; Plus @ 3.5 kW output</b> Min. activation 0.26 gpm				
MAX. FLOW RATE	0.50 GPM	0.63 GPM	0.85 GPM	1.33 GPM
POSSIBLE FIXTURE TYPES				
<b>3.8 kW DHC 4-2 Classic</b> Min. activation 0.43 gpm				
<b>DHC 4/6-2 Trend &amp; Plus @ 3.8 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 4/6-2 Trend &amp; Plus @ 3.8 kW output</b> Min. activation 0.26 gpm				
MAX. FLOW RATE	0.54 GPM	0.68 GPM	0.93 GPM	1.44 GPM
POSSIBLE FIXTURE TYPES				
<b>4.5 kW DHC 4-3 Classic</b> Min. activation 0.43 gpm				
MAX. FLOW RATE	0.64 GPM	0.81 GPM	1.10 GPM	1.71 GPM
POSSIBLE FIXTURE TYPES				
<b>4.8 kW DHC 5-2 Classic</b> Min. activation 0.43 gpm				
MAX. FLOW RATE	0.68 GPM	0.86 GPM	1.17 GPM	1.82 GPM
POSSIBLE FIXTURE TYPES				
<b>5.7 kW Mini./Mini.-E 6-2</b> 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				Mini-E 6-2 1 or 2 sinks
<b>6.0 kW DHC 6-2 &amp; 6-3 Classic</b> Min. activation 0.48 gpm				
<b>DHC 4/6-2 Trend &amp; Plus @ 6.0 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 4/6-2 Trend &amp; Plus @ 6.0 kW output</b> Min. activation 0.26 gpm				
MAX. FLOW RATE	0.85 GPM	1.08 GPM	1.46 GPM	2.28 GPM
POSSIBLE FIXTURE TYPES				
<b>7.2 kW DHC 8-2 Classic</b> Min. activation 0.69 gpm				
<b>DHC-E 8/10-2 Classic @ 7.2 kW output</b> Min. activation 0.26 gpm				
<b>DHC 8/10-2 Trend @ 7.2 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 8/10-2 Trend &amp; Plus @ 7.2 kW output</b> Min. activation 0.26 gpm				
MAX. FLOW RATE	1.0 GPM	1.3 GPM	1.7 / 1.0 GPM	2.7 / 1.3 GPM
POSSIBLE FIXTURE TYPES				
<b>9.0 kW DHC 9-3 Classic</b> 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				
<b>9.6 kW DHC 10-2 Classic</b> Min. activation 0.79 gpm				
<b>DHC 8/10-2 Trend @ 9.6 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 8/10-2 Trend &amp; Plus @ 9.6 kW output</b> Min. activation 0.26 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				

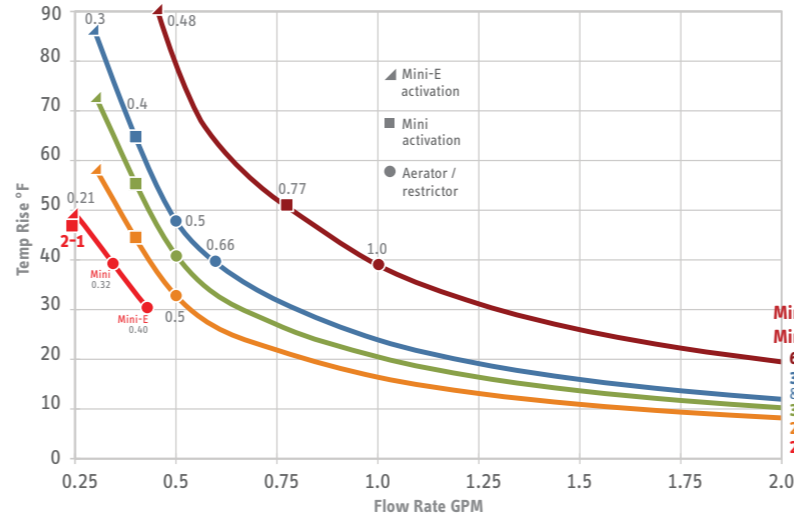
These tables show achievable flow rates for specific temperature rises, and suggest possible point-of-use fixture or fixtures for use with each model and size. They are not intended for whole house sizing. Use actual flow rates for an installation to determine if a particular model and size will deliver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



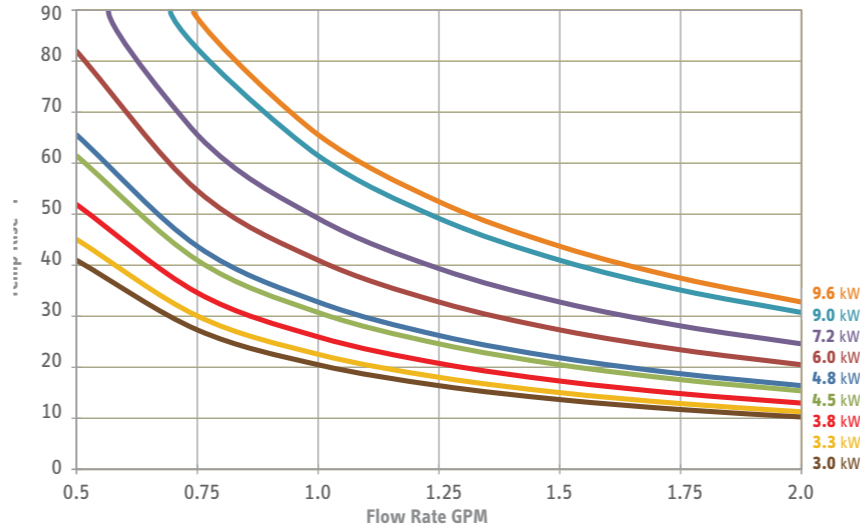
**FIXTURES & FLOW RATES**  
SHOWING POSSIBLE MODEL SUITABILITY & TEMP. FOR MAX. FLOW RATE CALCULATION

LAV SINK (Range 0.5-1.5)	SHOWER (Range 1.0-2.5)	KITCHEN SINK (Range 1.0-2.2)	UTILITY/JANITOR'S SINK (Range 1.0-2.2)
SINGLE OR MULTIPLE (Number varies)			
90°F	110°F	120°F	120°F

**1.8 – 5.7 kW Mini./Mini.-E**  
Temperature Rise vs. Flow Rate at Max. Rated Voltage

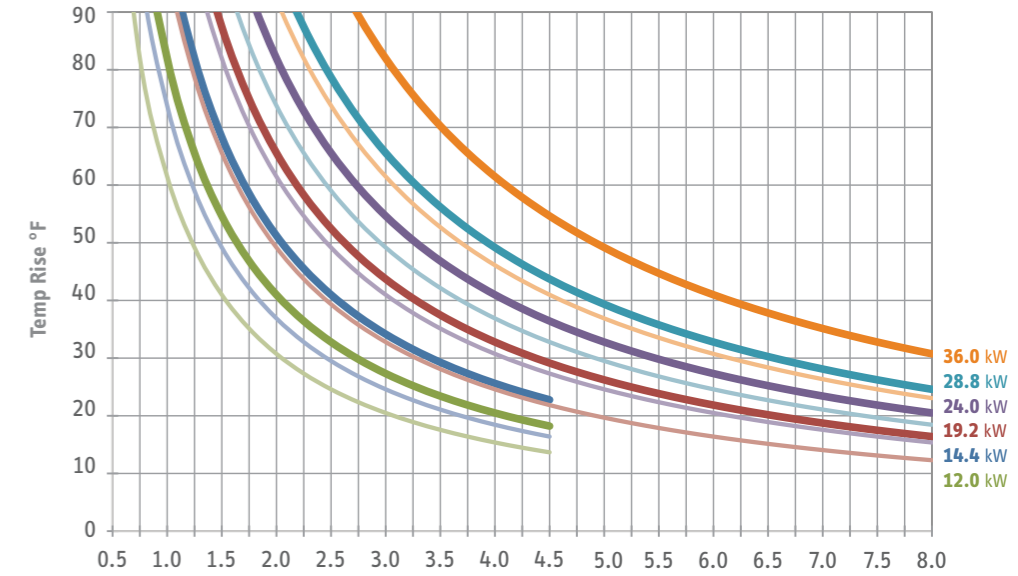


**3.0 – 9.6 kW DHC & DHC-E Classic, DHC Trend, DHC-E Trend & Plus**  
Temperature Rise vs. Flow Rate at Maximum Rated Voltage



	42°F	52°F	62°F	72°F
<b>12.0 kW DHC 12/15-2 Trend &amp; Plus @ 12.0 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 12/15-2 Trend &amp; Plus @ 12.0 kW output</b> Min. activation 0.26 gpm				
<b>Tempra® 12 Trend &amp; Plus</b> 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				
<b>14.4 kW DHC 12/15-2 Trend &amp; Plus @ 14.4 kW output</b> Min. activation 0.26 gpm				
<b>DHC-E 12/15-2 Trend &amp; Plus @ 14.4 kW output</b> Min. activation 0.26 gpm				
<b>Tempra® 15 Trend &amp; Plus</b> 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				
<b>19.2 kW Tempra® 20 Trend &amp; Plus</b> 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				
<b>24.0 kW Tempra® 24 Trend &amp; Plus</b> Min. activation 0.50 gpm				
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				
<b>28.8 kW Tempra® 29 Trend &amp; Plus</b> 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				
<b>36.0 kW Tempra® 36 Trend &amp; Plus</b> 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				

**12.0 – 36.0 kW DHC Trend, DHC-E Trend & Plus, Tempra Trend & Plus**  
Temperature Rise vs. Flow Rate at 240 V and 208 V



## Looking for commercial/industrial 3-phase water heaters?

High capacity 3-phase electric water heaters from Stiebel Eltron are available for demanding commercial, industrial, and safety applications in all common voltages and sizes from 12 to 144 kW.

Our 3-phase commercial/industrial direct line is **800.TANKLESS**



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 <sup>1</sup>	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 <sup>2</sup>	15 A (SP)	20 A (SP)	25 A (SP)	30 A (SP)	15 A (DP)	25 A (DP)
Min. recommended wire size <sup>3</sup> (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 <sup>4</sup>	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.

<sup>1</sup> Nominal mains voltage is 110-120V and 220-240V.

<sup>2</sup> 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.

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

<sup>4</sup> 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 <sup>1</sup>	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 <sup>2</sup>	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 <sup>15</sup> / <sub>16</sub> " (20.2 cm) x Height 14 <sup>3</sup> / <sub>16</sub> " (36.0 cm) x Depth 3 <sup>7</sup> / <sub>8</sub> " (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 <sup>3</sup>	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.

<sup>1</sup> 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.

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

<sup>3</sup> Suitable for supply with cold water only.

### DHC Trend



Model	DHC 3/3.5-1 Trend	DHC 4/6-2 Trend		DHC 8/10-2 Trend		DHC 12/15-2 Trend	
Item no.	200060	200062		200063		200064	
Phase - 50/60 Hz	1						
Voltage	120 V	240 V	208 V	240 V	208 V	240 V	208 V
Wattage <sup>1</sup> , jumper position 1 [low] / 2 [high]	3 kW / 3.5 kW	3.8 kW / 6 kW	2.9 kW / 4.5 kW	7.2 kW / 9.6 kW	5.4 kW / 7.2 kW	12 kW / 14.4 kW	9 kW / 10.8 kW
Amperage, jumper position 1 [low] / 2 [high]	25 A / 29.2 A	15.8 A / 25 A	13.9 A / 21.7 A	30 A / 40 A	26 A / 34.6 A	50 A / 60 A	43.3 A / 52 A
Min. recommended circuit breaker size <sup>2</sup> , jumper position 1 [low] / 2 [high]	25 A / 30 A	20 A / 25 A	15 A / 25 A	30 A / 40 A	30 A / 35 A	50 A / 60 A	50 A / 60 A
Min. recommended AWG wire size <sup>3</sup> , jumper position 1 [low] / 2 [high]	10/2 / 10/2	12/2 / 10/2	14/2 / 10/2	10/2 / 8/2	10/2 / 8/2	8/2 / 6/2	8/2 / 6/2
Minimum water flow to activate unit	0.264 gpm (1.0 l/min)						
Weight	5.5 lb (2.5 kg)						
Dimensions	Height 14 <sup>1</sup> / <sub>8</sub> " (360 mm) x Width 8" (202 mm) x Depth 4 <sup>3</sup> / <sub>16</sub> " (109 mm)						
Nominal water volume	0.07 gal (0.277 l)						
Max. permissible inlet temperature <sup>4</sup>	149°F (65°C)						
Maximum permissible pressure	145 psi (10 bar)						
Water connections	1/2" NPT						

DHC 3/3.5-1 Trend and 4/6-2 Trend ship with pressure compensating flow-reducer/aerators that must be installed.

1 Factory default setting is jumper position 2 [high]

2 Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load. Use only GFCI Class A circuit breakers.

3 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.

4 Max input water 149°F; max input water that would be heated 131°F; max. temperature output 140°F.

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

### DHC-E Trend & Plus



Model	DHC-E 3/3.5-1 Trend	DHC-E 4/6-2 Trend		DHC-E 8/10-2 Trend DHC-E 8/10-2 Plus		DHC-E 12/15-2 Trend DHC-E 12/15-2 Plus	
Item no.	200057	200061		200058 (Trend) 202145 (Plus)		200059 (Trend) 200056 (Plus)	
Phase - 50/60 Hz	1						
Voltage	120 V	240 V	208 V	240 V	208 V	240 V	208 V
Wattage <sup>1</sup> , jumper position 1 [low] / 2 [high]	3 kW / 3.5 kW	3.8 kW / 6 kW	2.9 kW / 4.5 kW	7.2 kW / 9.6 kW	5.4 kW / 7.2 kW	12 kW / 14.4 kW	9 kW / 10.8 kW
Amperage, jumper position 1 [low] / 2 [high]	25 A / 29.2 A	15.8 A / 25 A	13.9 A / 21.7 A	30 A / 40 A	26 A / 34.6 A	50 A / 60 A	43.3 A / 52 A
Min. recommended circuit breaker size <sup>2</sup> , jumper position 1 [low] / 2 [high]	25 A / 30 A	20 A / 25 A	15 A / 25 A	30 A / 40 A	30 A / 35 A	50 A / 60 A	50 A / 60 A
Min. recommended AWG wire size <sup>3</sup> , jumper position 1 [low] / 2 [high]	10/2 / 10/2	12/2 / 10/2	14/2 / 10/2	10/2 / 8/2	10/2 / 8/2	8/2 / 6/2	8/2 / 6/2
Minimum water flow to activate unit	0.264 gpm (1.0 l/min)						
Weight	5.5 lb (2.5 kg)						
Dimensions	Height 14 <sup>1</sup> / <sub>8</sub> " (360 mm) x Width 8" (202 mm) x Depth 4 <sup>3</sup> / <sub>16</sub> " (109 mm)						
Nominal water volume	0.07 gal (0.277 l)						
Max. permissible inlet temperature <sup>4</sup>	149°F (65°C)						
Maximum permissible pressure	145 psi (10 bar)						
Water connections	1/2" NPT						

DHC-E 3/3.5-1 Trend and 4/6-2 Trend ship with pressure compensating flow-reducer/aerators that must be installed.

1 Factory default setting is jumper position 2 [high]

2 Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load. Use only GFCI Class A circuit breakers.

3 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.

4 Max input water 149°F; max input water that would be heated 131°F; max. temperature output 140°F.

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



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 <sup>1</sup> (DP)		30/40 A	30/35 A	50 A	50 A
Min. recommended wire size <sup>2</sup> (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 <sup>1</sup> / <sub>8</sub> " (20.0 cm) x Height 14 <sup>3</sup> / <sub>16</sub> " (36.0 cm) x Depth 4 <sup>1</sup> / <sub>8</sub> " (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			



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



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



\*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).

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

<sup>2</sup> 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.

# Tempra® Trend & Plus



Tempra® Model	12 Trend 239213		15 Trend 239214		20 Trend 239215		24 Trend <sup>3</sup> 239216		29 Trend <sup>4</sup> 239217		36 Trend <sup>5</sup> 239218	
	12 Plus 239219		15 Plus 239220		20 Plus 239221		24 Plus <sup>3</sup> 239222		29 Plus <sup>4</sup> 239223		36 Plus <sup>5</sup> 239225	
Phase	single 50/60 Hz		single <sup>6</sup> 50/60 Hz		single <sup>6</sup> 50/60 Hz		single <sup>6</sup> 50/60 Hz		single <sup>6</sup> 50/60 Hz		single <sup>6</sup> 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 <sup>1</sup> (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 <sup>2</sup> (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 <sup>5</sup> / <sub>8</sub> " (42.0 cm) x Height 14 <sup>1</sup> / <sub>2</sub> " (36.9 cm) x Depth 4 <sup>5</sup> / <sub>8</sub> " (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											

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

<sup>2</sup> 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.

<sup>3</sup> Requires minimum 150 A main service. <sup>4</sup> Requires 200 A main service. <sup>5</sup> Requires 300 A main service.

<sup>6</sup> 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.