

**STIEBEL ELTRON**

**Simply the Best**

PROVEN DEPENDABILITY

Exclusive copper-clad  
heating element



# DHC Series

POINT-OF-USE  
TANKLESS ELECTRIC WATER HEATERS

- › UNLIMITED SUPPLY OF HOT WATER
- › HYDRAULICALLY CONTROLLED FOR QUIET OPERATION
- › SLEEK DESIGN SAVES SPACE
- › MAJOR ENERGY SAVINGS
- › PROVEN RELIABILITY



ISO 9001  
CERTIFIED



800.582.8423

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

# Ideal For All Point-of-Use Water Heating Applications

Stiebel Eltron DHC tankless electric water heaters are the ideal choice for all point-of-use applications.

## Commercial › Industrial › Institutional

- › Office buildings
- › Stores
- › Malls
- › Warehouses
- › Restaurants
- › Gas stations
- › Schools
- › Hotels/Motels
- › Commercial condominiums
- › Manufacturing facilities

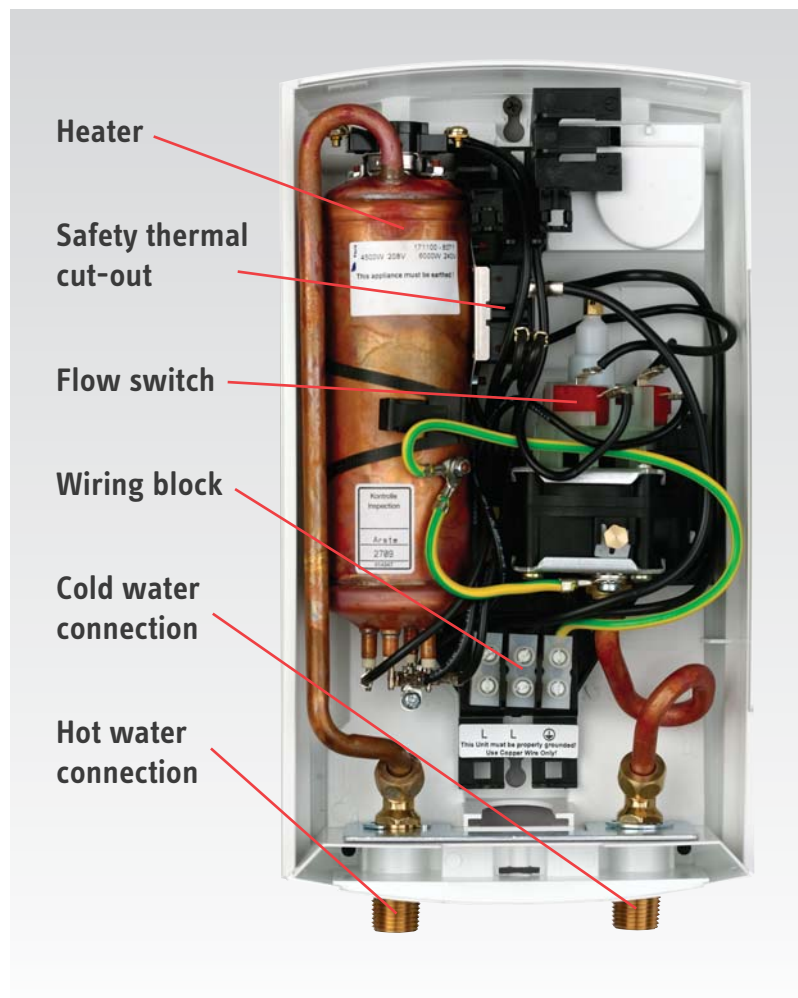
## Residential

- › Bathroom sinks
- › Kitchen sinks
- › Laundry areas
- › Cabins/cottages

Stiebel Eltron DHC tankless water heaters are designed for installation at the point-of-use. The DHC heats water instantaneously as it flows through the unit. Stand-by heat losses are completely eliminated.

The heating element is controlled by a flow switch which means a DHC can never dry-fire and fail prematurely. And since all DHC's are hydraulically controlled, operation is quiet. DHC water heaters are equipped with a safety high-limit with manual reset. The rugged all copper design ensures many years of reliable service.

DHC 3-1, DHC 3-2 and DHC 4-2 models are shipped with 0.5 GPM pressure compensating flow reducer/aerators that fit on most faucets. Flow controls and faucet aerators are highly recommended in conjunction with tankless water heaters. No pressure relief valve, drains, or circulating pumps needed.



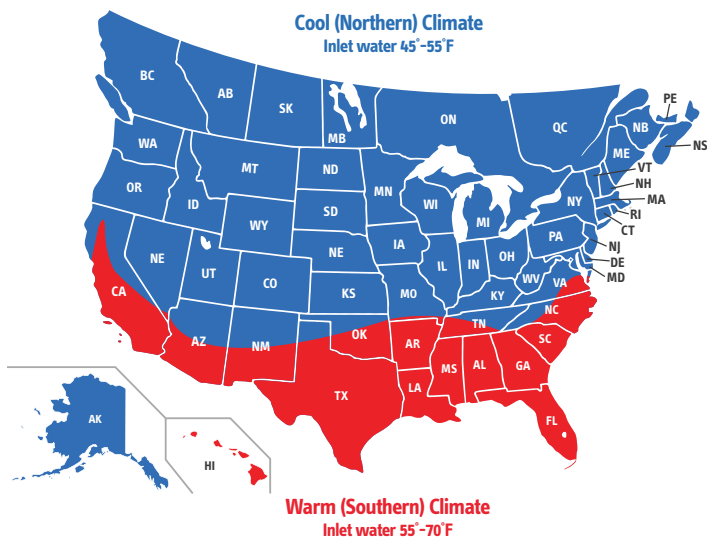
**Engineer's Specifications:** The tankless electric water heater shall be equipped with a copper sheathed heating element housed in a copper cylinder. The flow switch that operates the heating element shall be of the mechanical pressure differential type. The unit shall be equipped with a safety high-limit switch with manual reset. An integral tamper-proof flow adjustment screw shall be provided for the installer so that water flow rates can easily be adjusted. The water connections shall be designed for 1/2" NPT female adapter. The housing shall be made of high impact polycarbonate plastic.





## DHC Tankless Electric Water Heater Sizing Guide

		DHC MODEL									
	GPM	DHC 3-1	DHC 3-2	DHC 4-2	DHC 4-3	DHC 5-2	DHC 6-2	DHC 8-2	DHC 9-3	DHC 10-2	
Lavatory Sink	Std. 0.5	Red	Red	Red							
	Std. 0.5	Blue	Blue	Blue							
	High 1.0				Red	Red	Red				
	High 1.0				Blue	Blue	Blue	Blue			
	Non-code 2.0							Red	Red	Red	
	2.0							Blue	Blue	Blue	
Kitchen Sink	Low 1.0						Red				
	Low 1.0						Blue				
	Std. 2.0							Red	Red	Red	
	Std. 2.0							Blue	Blue	Blue	
Utility / Janitor's Sink	1.0 - 2.0							Red	Red	Red	
	1.0 - 2.0							Blue	Blue	Blue	



### Depend on them!

- ▶ Exclusive copper-clad heating element
- ▶ Electronically controlled for silent operation
- ▶ Never dry fires and fails prematurely
- ▶ Superior reliability



**ISO 9001**  
CERTIFIED



The DHC series is tested and certified by WQA against NSF/ANSI 372 for lead free compliance.

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# DHC Series Tankless Electric Water Heaters

## Technical Data



The DHC series is tested and certified by WQA against NSF/ANSI 372 for lead free compliance.



Model <sup>1</sup>	DHC 3-1	DHC 3-2	DHC 4-2	DHC 4-3	DHC 5-2	DHC 6-2	DHC 8-2	DHC 9-3	DHC 10-2						
Item no.	074050	074052	074053	074051	074054	231546	074424	232204	074056						
Phase - 60/50 Hz	1														
Voltage	120 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	7.2 kW	5.4 kW	9.6 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	30 A	26 A	32.5 A	40 A	35 A
Circuit breaker size <sup>2</sup>	30 A	20 A	15 A	20 A	20 A	20 A	30 A	30 A	30 A	30 A	40 A	40 A	40 A	50 A	40 A
Required wire size <sup>3</sup>	10 AWG	12 AWG	14 AWG	12 AWG	12 AWG	12 AWG	10 AWG	10 AWG	10 AWG	10 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
Minimum water flow to activate unit	0.32 GPM 1.2 l/min	0.32 GPM 1.2 l/min	0.42 GPM 1.6 l/min	0.42 GPM 1.6 l/min	0.42 GPM 1.6 l/min	0.42 GPM 1.6 l/min	0.47 GPM 1.8 l/min	0.69 GPM 2.6 l/min	0.79 GPM 3.0 l/min	0.79 GPM 3.0 l/min					
Weight	4.6 lb / 2.1 kg	5.3 lb / 2.4 kg	5.3 lb / 2.4 kg	4.6 lb / 2.1 kg	4.6 lb / 2.1 kg	4.6 lb / 2.1 kg	5.3 lb / 2.4 kg	5.3 lb / 2.4 kg	5.3 lb / 2.4 kg	5.3 lb / 2.4 kg					
Dimensions (H x W x D)	14 <sup>3</sup> / <sub>16</sub> " / 360 mm x 7 <sup>7</sup> / <sub>8</sub> " / 200 mm x 4 <sup>1</sup> / <sub>8</sub> " / 104 mm														
Nominal water volume	0.13 gal / 0.5 l														
Working pressure	150 psi / 10 BAR														
Tested to pressure	300 psi / 20 BAR														
Water connections	1/2" NPT														

<sup>1</sup> Suitable for supply with cold water only.

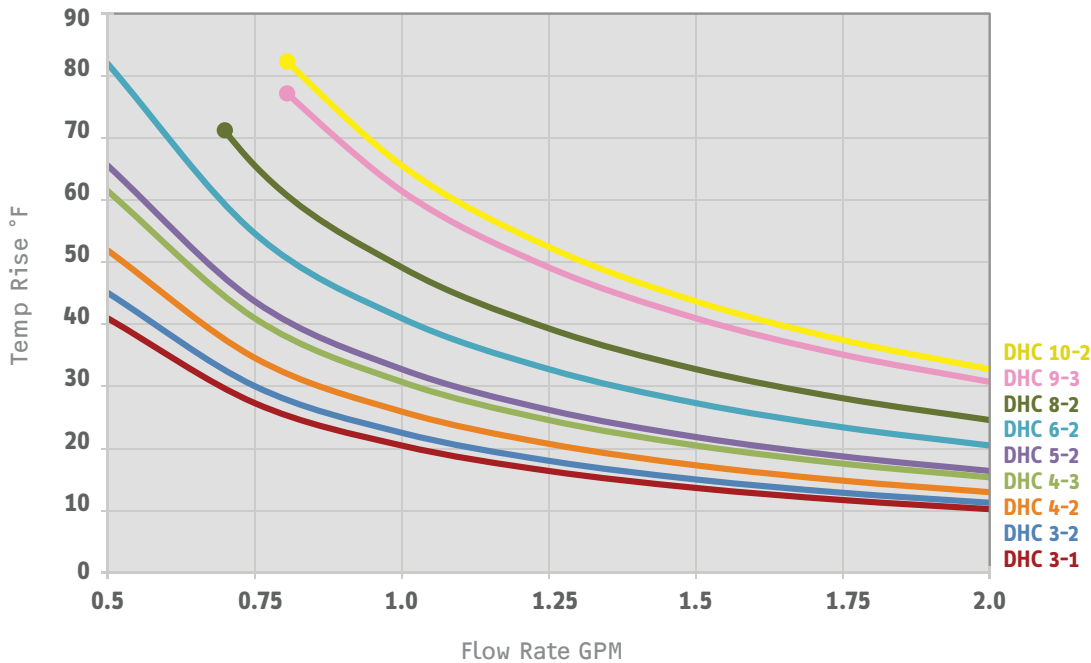
<sup>2</sup> This is our recommendation as the manufacturer. Check local codes for compliance if necessary.

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.



### Temperature Rise vs. Flow Rate at Max. Rated Voltage



Limited Warranty (Excerpt): Stiebel Eltron, Inc. warrants to the original owner that the DHC Series Water Heater will be free from defects in workmanship and materials for a period of THREE YEARS from the date of purchase. Should any part(s) prove to be defective 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.

Distributed by:

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