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STIEBEL ELTRON

Simply the Best

Proven Point-of-Use Dependability

Exclusive copper-clad
heating element



DHC Series

POINT-OF-USE

TANKLESS ELECTRIC WATER HEATERS



ISO 9001
CERTIFIED



- › Unlimited Supply of Hot Water
- › Hydraulically Controlled for Quiet Operation
- › Sleek Design Saves Space
- › Major Energy Savings
- › Proven Reliability

800.582.8423

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 hand washing applications:

Commercial › Industrial › Institutional

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

Residential

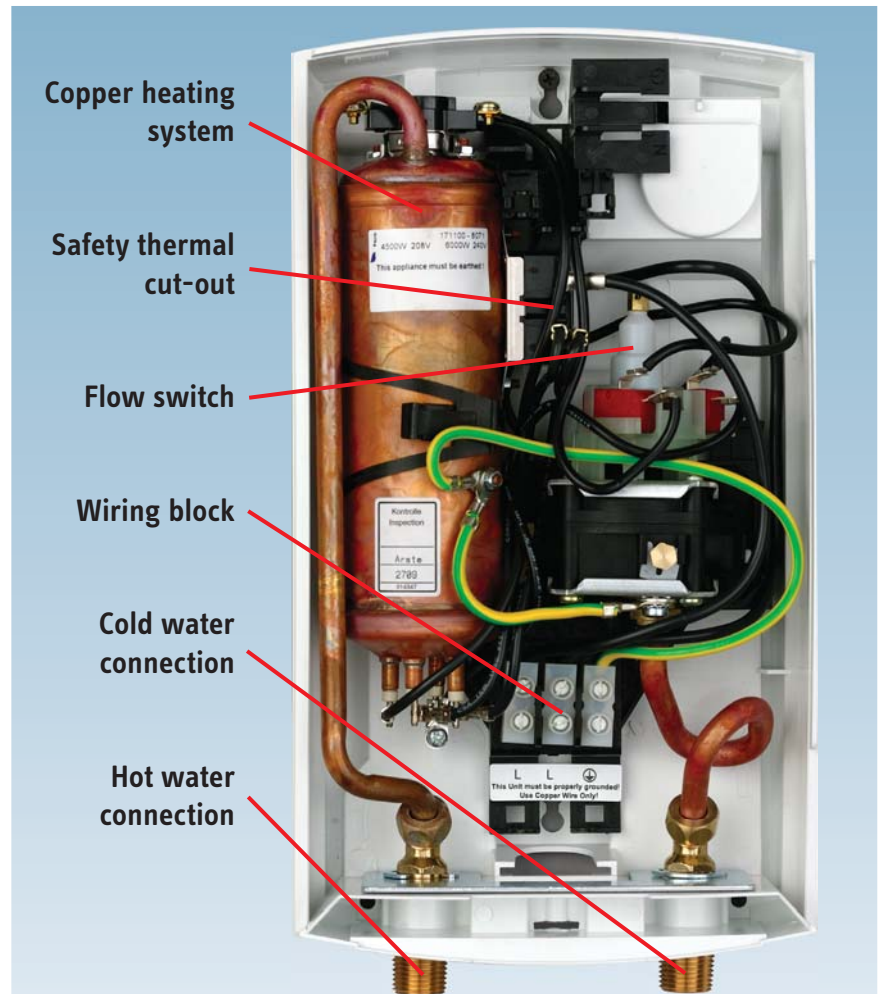
- › Bathroom sinks
- › Kitchen sinks
- › Laundry areas
- › Cabins/cottages

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 DHCs 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.

















**MADE IN
GERMANY**



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 Sizing Guide Single Sink Tankless Electric Water Heater

		DHC MODEL									
Flow GPM		DHC 3-1 120 V Minimum 25 A circuit breaker	DHC 3-2 240 V Minimum 15 A circuit breaker	DHC 4-2 240 V Minimum 20 A circuit breaker	DHC 4-3 277 V Minimum 20 A circuit breaker	DHC 5-2 240 V Minimum 20 A circuit breaker	DHC 6-2 240 V Minimum 25 A circuit breaker	DHC 8-2 240 V Minimum 30 A circuit breaker	DHC 9-3 277 V Minimum 35 A circuit breaker	DHC 10-2 240 V Minimum 40 A circuit breaker	
LAVATORY SINK	Std. 0.5										
	High 1.0										
	Non-code 2.0										
KITCHEN SINK	Low 1.0										
	Std. 2.0										
Utility / Janitor's Sink	1.0 -2.0										

DHC 3-1, 3-2, 4-2 ship with a 0.5 GPM pressure compensating flow reducer/aerator that must be installed.

Depend on them!

- › Exclusive copper-clad heating element
- › Hydraulically controlled for virtually silent operation
- › Never dry fires and fails prematurely
- › Superior reliability



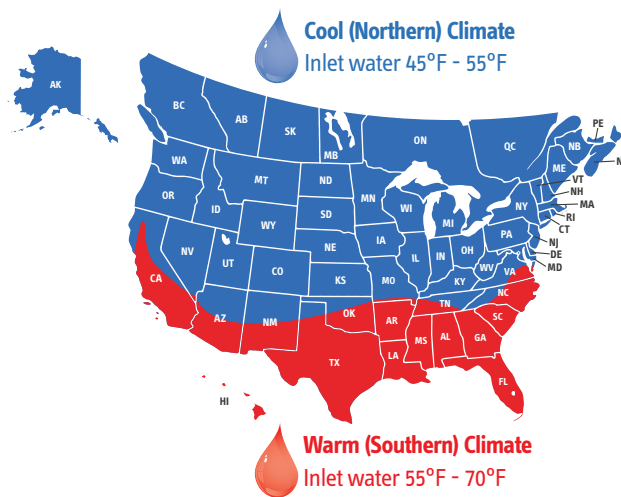
7 years leakage/
3 years parts.
Complete warranty
online.



Conforms to ANSI/UL
Std. 499
Certified to CAN/CSA
E335-1 & E335-2-35



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



Recommendations for 240 V models are correct if installed with 240 V service.
Increase one model size if unit will be installed with 208 V service.

Call Stiebel Eltron at 800.582.8423 if you have any sizing questions, or if you have any out-of-the-ordinary situation. Stiebel Eltron service representatives can make recommendations on sizing, or provide assistance with our water heaters, to both homeowners and professional installers.

Technical Data



Certified to ANSI/UL Std. 499
Conforms to CAN/CSA E335-1 & E335-2-35



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

ISO 9001
CERTIFIED

Model	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	074424	074055	232204	074056
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	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	9.0 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	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	30 A 30 A	35 A	40 A 35 A
Min. recommended wire size ²	10 AWG	14 AWG 14 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
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	0.47 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
Dimensions (H x W x D)	14 ³ / ₁₆ " / 36.0 cm x 7 ⁷ / ₈ " / 20.0 cm x 4 ¹ / ₈ " / 10.4 cm								
Nominal water volume	0.13 gal / 0.5 l								
Working pressure	150 psi / 10 BAR								
Tested to pressure	300 psi / 20 BAR								
Water connections ³	1/2" NPT								

DHC 3-1, 3-2, 4-2 ship with a 0.5 GPM pressure compensating flow-reducer/aerator that must be installed.

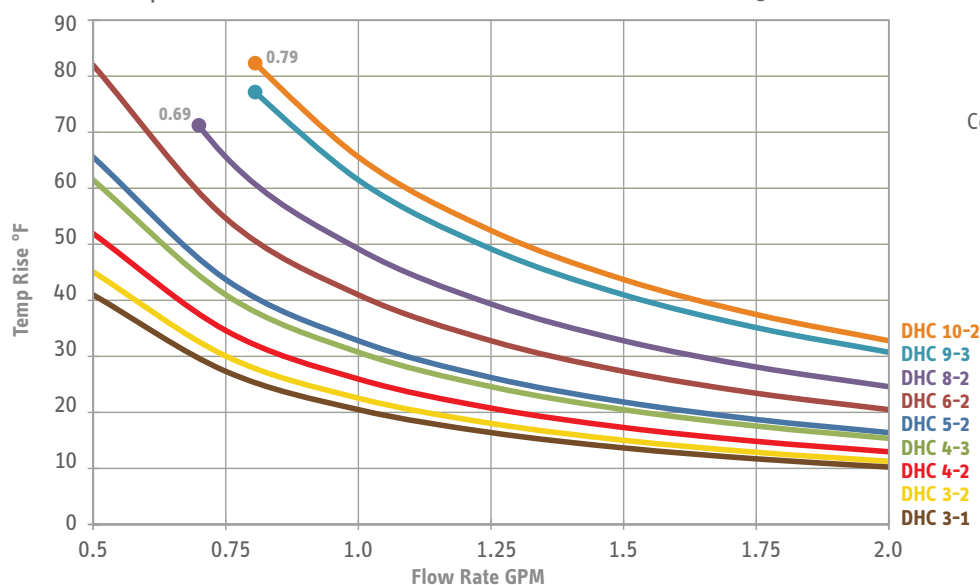
¹ This is our recommendation for overcurrent protection sized at 100% of load (DP for 240/208/277 V & SP for 120 V models).

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.

Temperature Rise vs. Flow Rate at Maximum Rated Voltage



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



Limited Warranty (Excerpt): Subject to the terms and conditions set forth in this limited warranty, Stiebel Eltron, Inc. hereby warrants to the original purchaser that each Tankless Electric Domestic Hot Water Heater shall not (i) leak due to defects in the Manufacturer's materials or workmanship for a period of seven (7) years from the date of purchase or (ii) fail due to defects in the Manufacturer's materials or workmanship for a period of three (3) years from the date of purchase. Complete warranty details available online.

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

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