STIEBEL ELTRON

Simply the Best

PROVEN DEPENDABILITY

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

SAVE ENERGY WATER MONEY

Intertek

WQA USA

ISO 9001 CERTIFIED

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

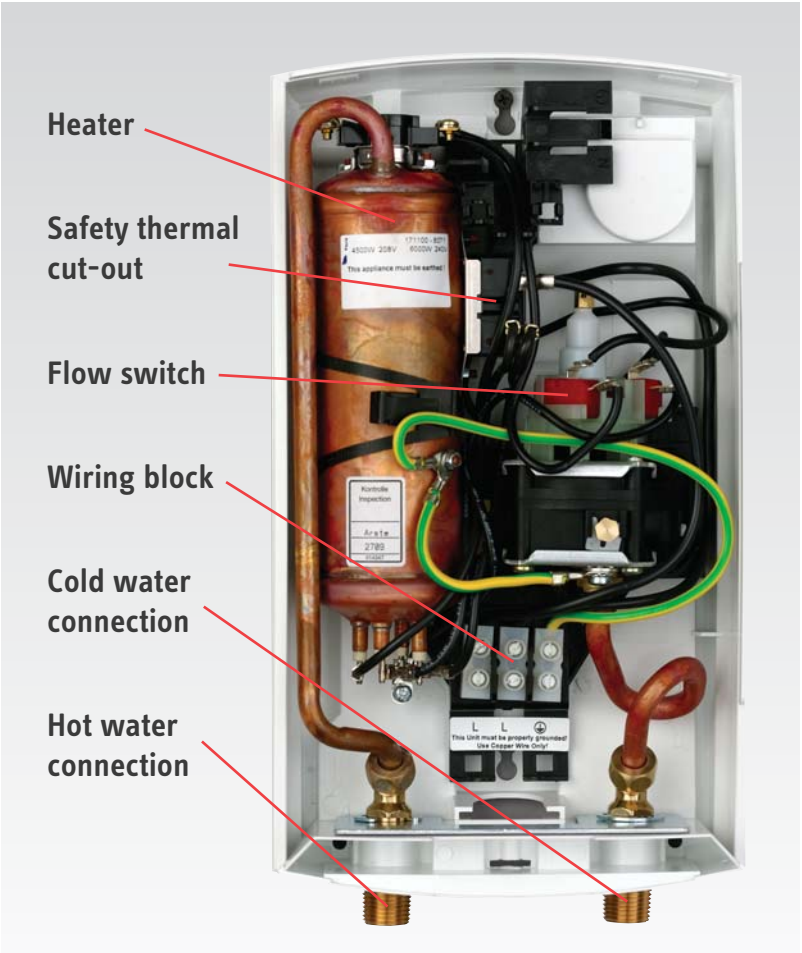
Residential

- » 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.

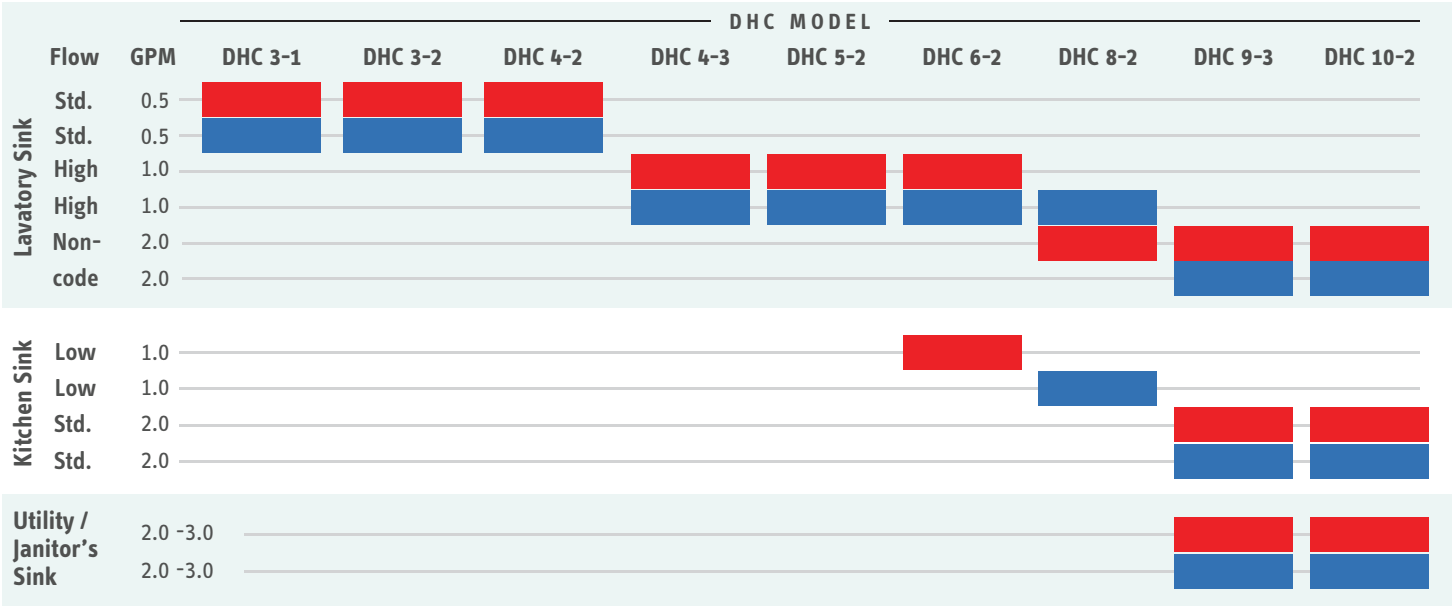


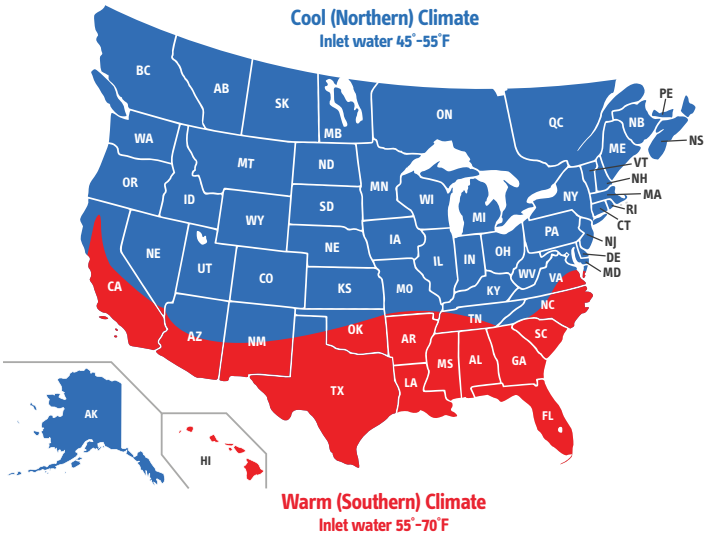
SAVE ENERGY WATER MONEY

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. In addition, the unit shall be equipped with a separate self-resetting thermostat designed to keep the water temperature at the tap below 130°F. 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 ½" NPT female adapter. The housing shall be made of high impact polycarbonate plastic.




DHC Tankless Electric Water Heater Sizing Guide





Depend on them!

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

Intertek

ISO 9001 CERTIFIED

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

STIEBEL ELTRON

Simply the Best

DHC Series Tankless Electric Water Heaters

Technical Data

Intertek

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

ISO 9001 CERTIFIED

Model [1]	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 - 60/50 Hz	1	1		1		1	1		1		1		1	1	
Voltage	120V	208V	220–240V	208V	220–240V	277V	208V	220–240V	208V	220–240V	208V	220–240V	277V	208V	220–240V
Wattage	3.0 kW	2.5 kW	3.3 kW	2.9 kW	3.8 kW	4.5 kW	3.6 kW	4.8 kW	4.5 kW	6.0 kW	5.4 kW	7.2 kW	9.0 kW	7.2 kW	9.6 kW
Amperage	25 A	12 A	14 A	14 A	16 A	17 A	18 A	20 A	22 A	25 A	26 A	30 A	32.5 A	35 A	40 A
Min. required circuit breaker size [2]	30 A	15 A	20 A	20 A	20 A	20 A	30 A	30 A	30 A	30 A	40 A	40 A	40 A	40 A	50 A
Recommended wire size [3]	10 AWG	14 AWG	12 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		0.47 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 lbs / 2.1 kg	5.3 lbs / 2.4 kg		5.3 lbs / 2.4 kg		4.6 lbs / 2.1 kg	4.6 lbs / 2.1 kg		4.6 lbs / 2.1 kg		5.3 lbs / 2.4 kg		5.3 lbs / 2.4 kg	5.3 lbs / 2.4 kg	
Dimensions (H / W / D)	$14^{3}/_{16}$″ / 36 cm x $7^{7}/_{8}$″ / 20 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	½″ NPT														

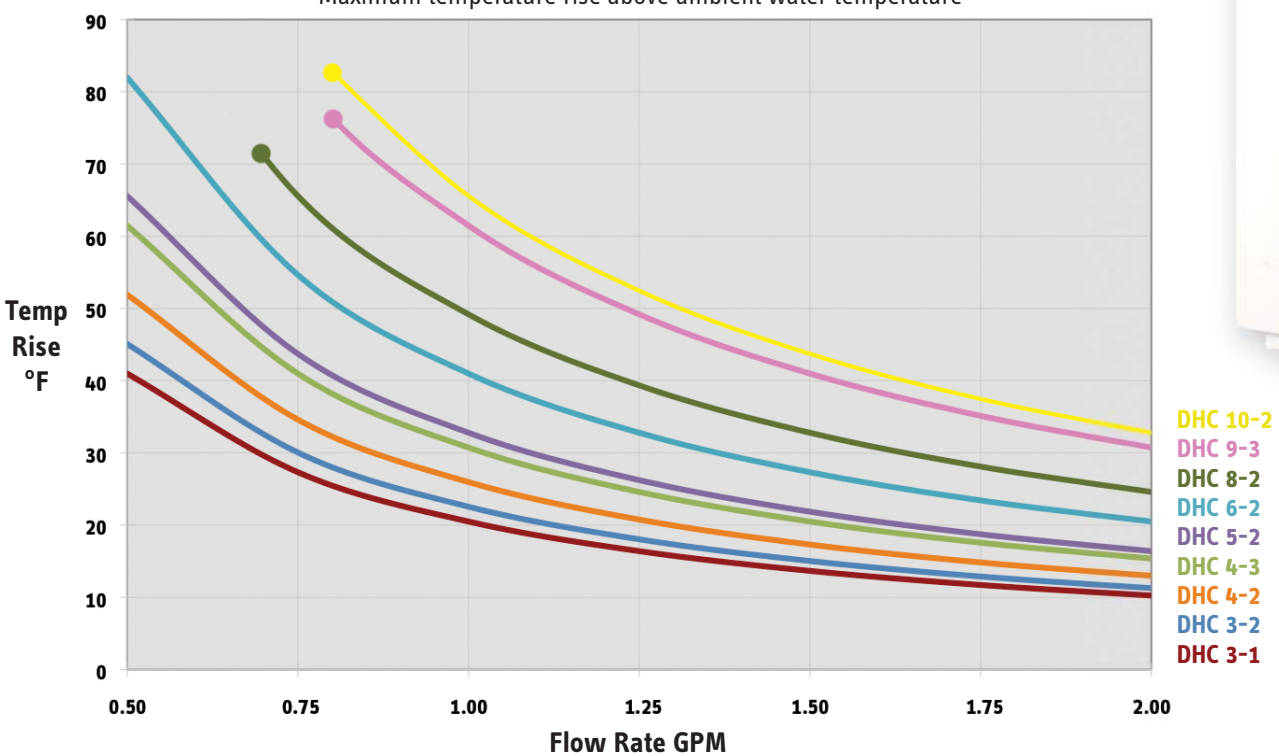
[1] Suitable for supply with cold water only.

[2] This is our recommendation as the manufacturer. 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.

Temperature Rise versus Flow Rate @ 240V

Maximum temperature rise above ambient water temperature



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.

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