STIEBEL ELTRON

Simply the Best

DHC-E Series Tankless Electric Water Heaters

› Compact point-of-use model for single or multiple point of use

Features

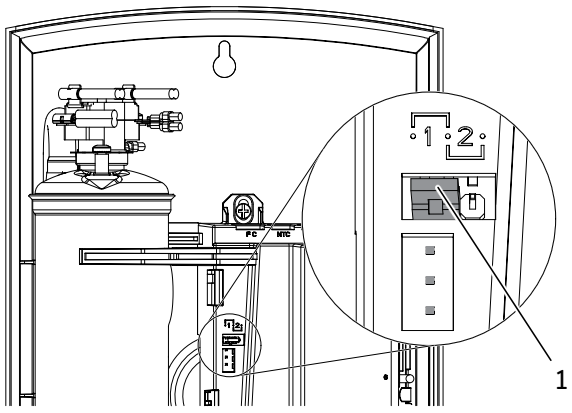
- › Unlimited supply of hot water
- › High limit switch with manual reset
- › Easy installation ½″ NPT. connections
- › Exclusive design prevents dry firing
- › No T & P relief valve needed (Check local code)
- › 7 year leakage/3 year parts warranty
- › Copper sheathed heating element housed in copper cylinder
- › On-demand, continuous hot water
- › No standby heat loss with tankless design
- › 99% efficiency
- › Flow sensor activated for virtually silent operation
- › Mounts on wall at point-of-use
- › Cold water only line needed to be run to lavatory
- › Compact European design allows mounting in cabinet
- › Compatible with sensor actuated or metered faucets
- › Tankless design prevents Legionella bacteria growth
- › Engineered in Germany to be the best

Models

Model	Phase	Voltage	kW	Amps	Circuit Breaker	Minimum Wire Size	Temperature Rise °F (GPM = kW x 6.83 / Δt)				
							0.50 GPM	0.75 GPM	1.00 GPM	1.50 GPM	2.0 GPM
DHC-E 8/10	single	240 V	7.2/9.6	30/40	40/50	8 AWG	92/92	65/87	49/65	33/44	24/32
	single	208 V	5.4/7.2	26/35	40/50	8 AWG	74/92	49/65	37/49	25/33	18/24
DHC-E 12	single	240 V	12	50	60	6 AWG	92	92	82	54	41
	single	208 V	9	44	60	6 AWG	92	82	61	41	31

The DHC-E 8/10 is adjustable for 2 stages of power output. Factory-delivered setting is 7.2 kW @ 240 V (5.4 V @ 208 V).

If higher output is needed, set the coding plug (1) to stage 2 for power output of 9.6 kW @ 240 V (7.2 V @ 208 V).



DHC-E Model	DHC-E 8/10	DHC-E 12
Part number	224201	230628
Weight	5.9 lbs/ 2.7 kg	
Min. flow to activate	0.264 gpm / 1.0 l/min	
Operating Pressure	Min. 30 psi, Max. 150 psi	
Dimensions	HEIGHT 14 3/16″/360 mm x WIDTH 7 7/8″/200 mm x DEPTH 4 1/8″/110 mm	
Cover	White ABS	

Intertek

Certified to ANSI/UL Std. 499

Conforms to CAN/CSA Std. E335-1 & E335-2-35

ISO 9001 CERTIFIED

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

rev. 2015.1 Due to our continuous process of engineering and technological advancement, specifications may change without notice.

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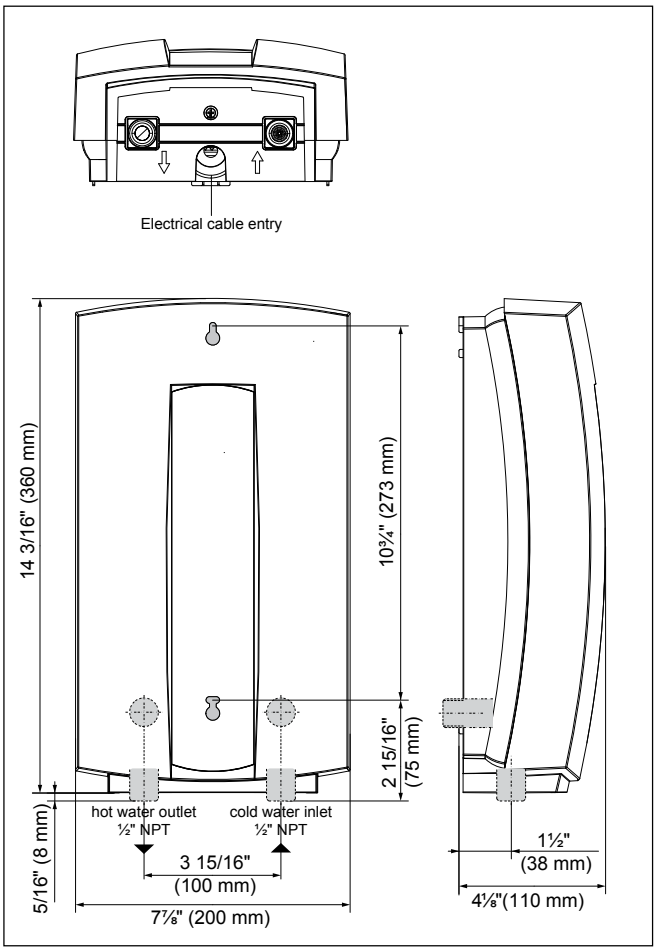
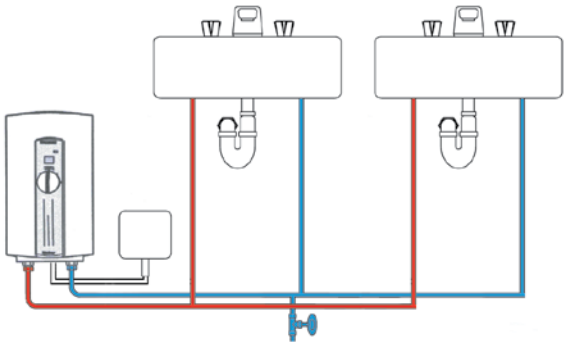
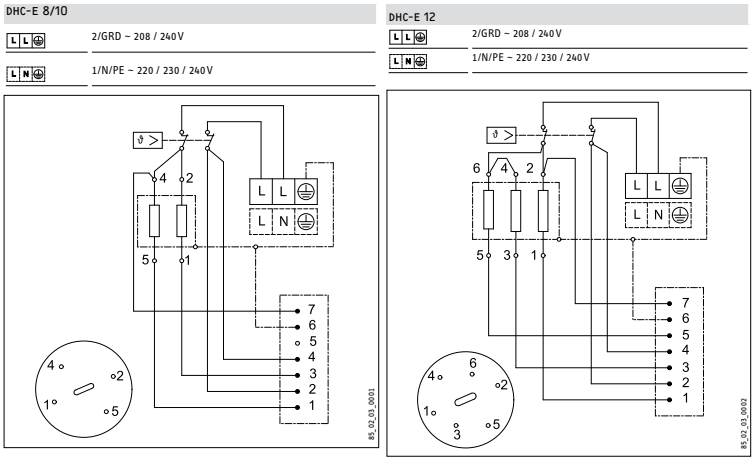
Dimensions



› DHC-E models are suitable for single or multiple point of use
› DHC-E models are suitable for booster applications, accepting a maximum incoming water temperature of 131°F/55°C.



10.2 Wiring diagram



Specifications

The tankless electric water heater shall be equipped with several copper sheathed heating element housed in a copper cylinder. The number of heating elements shall be three. The copper cylinder that houses heating elements shall be equipped with a dedicated single pole bimetal type high limit that is attached to the top dome of the cylinder. These safety high limit switches shall have a manual rest that interrupts power at 185°F. The heating elements shall be controlled by a number of triacs (power transistors) which are soldered into the circuit board. The triacs shall be cooled by the incoming cold water. The units shall be equipped with a flow sensor with a miniaturized turbine that feeds the water flow rate information into the main circuit board. The output temperature shall be adjustable between 86°F and 140°F. The temperature adjustment shall be via a knob that is positioned on the front cover. The water connections shall be designed for standard ½" NPT female adapter. The housing of the unit shall be made of high impact polycarbonate plastic. The unit shall conform to ANSI ANSI/UL Std. 499 and be certified to CAN/CSA E335-1 & E335-2-35.

Engineer/Architect _____ Date _____

Job Name/Customer _____ Location _____

Contractor _____ Representative _____

	Qty	kW	Voltage	Amps
DHC-E model _____	_____	_____	_____	_____