

DHC SERIES TANKLESS ELECTRIC WATER HEATERS SUBMITTAL SHEET

STIEBEL ELTRON

Simply the Best

DHC SERIES POINT-OF-USE TANKLESS ELECTRIC WATER HEATERS FOR 120V,
208-240V, & 277V APPLICATIONS.

Technical Data



The DHC series is 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 - 60/50 Hz	1	1	1	1	1	1	1	1	1
Voltage	120 v	208 v 220-240 v	208 v 220-240 v	277 v	208 v 220-240 v	208 v 220-240 v	208 v 220-240 v	277 v	208 v 220-240 v
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	12.0 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	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 - AWG copper	10	14 12	12 12	12	10 10	10 10	8 8	8	8 8
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	1/2" NPT								

* Suitable for supply with cold water

* Tankless water heaters are considered a non-continuous load

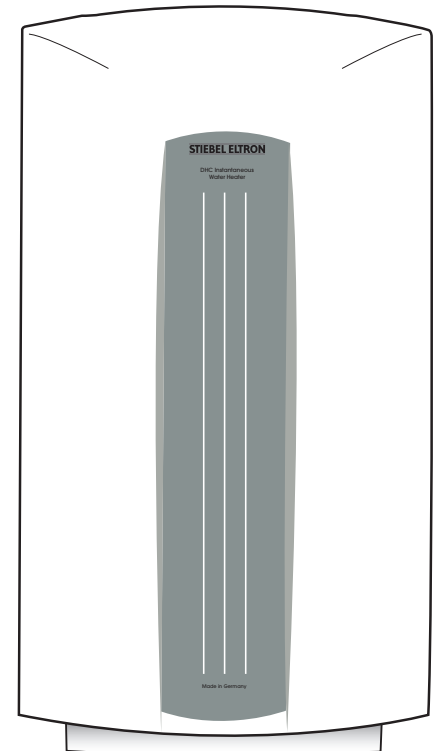
* Conductors should be sized to maintain a voltage drop of less than 3% under load

Description

The 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 elements are controlled by a flow switch. An exclusive scald-guard thermostat keeps the water temperature within safe limits at all times. Additionally, the DHC water heaters are equipped with a safety high-limit with manual reset. The rugged all copper design ensures many years of reliable service.

Commercial • Industrial • Institutional • Residential • Office buildings

- » Stores
- » Malls
- » Warehouses
- » Restaurants • Gas stations
- » Schools
- » Hotels/Motels
- » Commercial condominiums
- » Manufacturing facilities
- » Bathroom sinks
- » Kitchen sinks
- » Laundry areas
- » Cabins/cottages



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 1/2" NPT female adapter. The housing shall be made of high impact polycarbonate plastic.