

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.

Specifications

Model	DHC 3-1		DHC 3-2		DHC 4-2		DHC 4-3		DHC 5-2		DHC 6-2		DHC 8-2		DHC 10-2		
Item Number	074050		074052		074053		074051		074054		074424		074055		074056		
Phase	1		1 1		1 1		1		1 1		1 1		1 1		1 1		
Voltage	V	120	208	240	208	240	277	208	240	208	240	208	240	208	240	208	240
Wattage	kW	3.0	2.5	3.3	2.9	3.8	4.5	3.6	4.8	4.5	6.0	5.4	7.2	7.2	9.6		
Amperage	A	25	12	14	14	16	17	18	20	22	25	26	30	35	40		
Min. required circuit breaker size	A	30	15	20	20	20	20	30	30	30	30	40	40	40	50		
Recommended wire size	AWG COPPER	10	14	12	12	12	12	10	10	10	10	8	8	8	8		
Min. water flow to activate unit	GPM / Lmin	0.32 / 1.2	0.32 / 1.2		0.42 / 1.6		0.42 / 1.6		0.42 / 1.6		0.47 / 1.8		0.69 / 2.6		0.79 / 3.0		
Weight	lbs. / KG	4.6 / 2.1	5.3 / 2.4		5.3 / 2.4		4.6 / 2.1		4.6 / 2.1		4.6 / 2.1		5.3 / 2.4		5.3 / 2.4		
Dimensions (Height/Width/Depth)	in. / cm	14 3/16 (36.0) / 7 7/8 (20.0) / 4 1/8 (10.4)															
Nominal water volume	Gal / L	0.13 / 0.51															
Working pressure	PSI / bar	150 / 10															
Tested to pressure	PSI / bar	300 / 20															
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



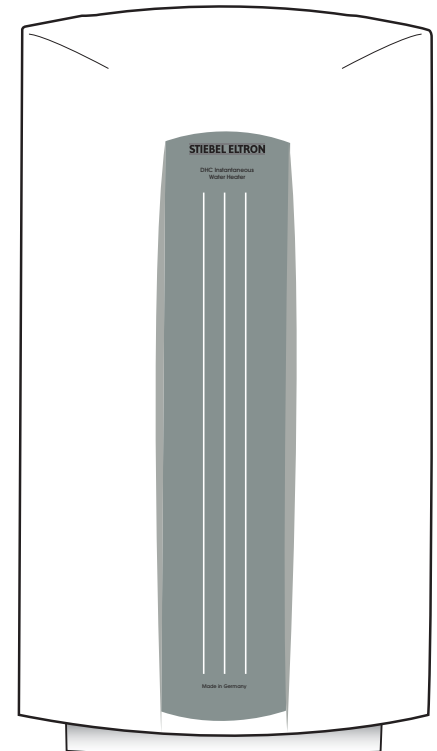
ISO 9001
CERTIFIED

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.