

DHC Trend Electric Tankless Water Heaters

› Compact point-of-use model with selectable power output for commercial applications



Features

- › Unlimited supply of hot water
- › Suitable for hard and soft water areas
- › Largely unsusceptible to scale build-up
- › Switchable power output means fewer models spec more jobs
- › High limit switch with manual reset
- › Easy installation 1/2" NPT connections
- › Engineered in Germany to be the best
- › Exclusive design prevents dry firing
- › No T & P relief valve needed (Check local code)
- › 10-year leakage/3-year parts warranty
- › Direct Coil™ nichrome heating element housed in glass-reinforced polyamide heating chamber
- › On-demand, continuous hot water
- › No standby heat loss with tankless design
- › 99% efficiency
- › Mounts on wall at point-of-use
- › Cold water only line needed to be run to lavatory
- › Compact European design allow mounting in cabinet
- › Compatible with sensor actuated or metered faucets
- › Tankless design prevents Legionella bacteria growth



Models & Technical Data

Model	DHC 3/3.5-1 Trend	DHC 4/6-2 Trend		DHC 8/10-2 Trend		DHC 12/15-2 Trend	
Item no.	200060	200062		200063		200064	
Phase - 50/60 Hz	1						
Voltage	120 v	240 v	208 v	240 v	208 v	240 v	208 v
Wattage ¹ jumper position 1 [low] / 2 [high]	3 kW / 3.5 kW	3.8 kW / 6 kW	2.9 kW / 4.5 kW	7.2 kW / 9.6 kW	5.4 kW / 7.2 kW	12 kW / 14.4 kW	9 kW / 10.8 kW
Amperage jumper position 1 [low] / 2 [high]	25 A / 29.2 A	15.8 A / 25 A	13.9 A / 21.7 A	30 A / 40 A	26 A / 34.6 A	50 A / 60 A	43.3 A / 52 A
Min. recommended circuit breaker size ² jumper position 1 [low] / 2 [high]	25 A / 30 A	20 A / 25 A	15 A / 25 A	30 A / 40 A	30 A / 35 A	50 A / 60 A	50 A / 60 A
Min. recommended AWG wire size ³ jumper position 1 [low] / 2 [high]	10/2 / 10/2	12/2 / 10/2	14/2 / 10/2	10/2 / 8/2	10/2 / 8/2	8/2 / 6/2	8/2 / 6/2
Minimum water flow to activate unit	0.264 gpm (1.0 l/min)						
Weight	5.5 lb (2.5 kg)						
Dimensions	Height 14 ¹ / ₈ " (360 mm) x Width 8" (202 mm) x Depth 4 ⁵ / ₁₆ " (109 mm)						
Nominal water volume	0.07 gal (0.277 l)						
Max. permissible inlet temperature	149 °F (65 °C)						
Maximum permissible pressure	145 psi (10 bar)						
Water connections ³	1/2" NPT						

DHC 3/3.5-1 Trend and 4/6-2 Trend ship with pressure compensating flow-reducer/aerators that must be installed.

1 Factory default setting is jumper position 2 [high]

2 Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load. Use only GFCI Class A circuit breakers.

3 Copper conductors with a temperature rating of 75 °C or greater must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

These are our recommendations. Check local codes for compliance if necessary.

rev. 9.2024. Due to our continuous process of engineering and technological advancement, specifications may change without notice.

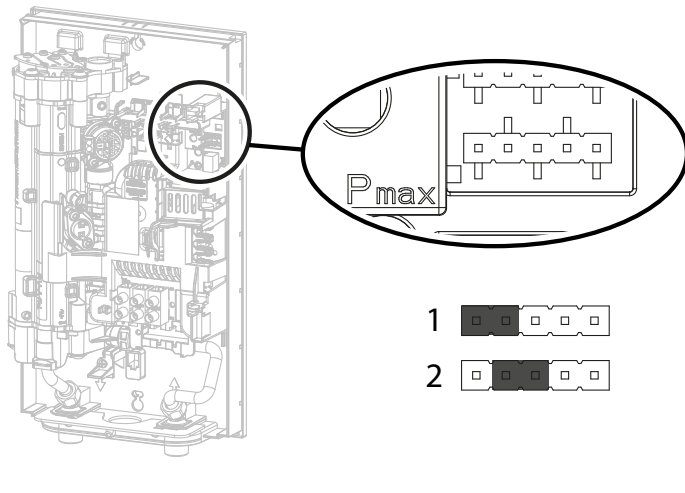
Technical Data & Wiring Diagrams

Model	Power output in kW			100°F DHW output in gpm			
	Rated voltage			Cold water inlet temperature			
	120 V	208 V	240 V	41°F	50°F	59°F	68°F
DHC 3/3.5-1 Trend	3.0			0.35	0.41	0.5	0.64
Trend	3.5			0.41	0.48	0.58	0.75
		2.9		0.34	0.4	0.48	0.62
DHC 4/6-2 Trend		4.5		0.52	0.61	0.75	0.96
			3.8	0.44	0.52	0.63	0.81
			6.0	0.69	0.82	1.0	1.28
		5.4		0.63	0.74	0.9	1.15
DHC 8/10-2 Trend		7.2		0.83	0.98	1.2	1.54
			7.2	0.83	0.98	1.2	1.54
			9.6	1.11	1.31	1.6	2.05
		9.0		1.04	1.23	1.5	1.92
DHC 12/15-2 Trend		10.8		1.24	1.46	1.78	2.28
			12.0	1.39	1.64	2.0	2.56
			14.4	1.67	1.97	2.4	3.07

Model	Power output in kW			122°F DHW output in gpm			
	Rated voltage			Cold water inlet temperature			
	120 V	208 V	240 V	41°F	50°F	59°F	68°F
DHC 3/3.5-1 Trend	3.0			-	0.28	0.33	0.38
Trend	3.5			0.3	0.33	0.38	0.44
		2.9		-	0.28	0.31	0.37
DHC 4/6-2 Trend		4.5		0.38	0.43	0.49	0.57
			3.8	0.32	0.36	0.41	0.48
			6.0	0.51	0.57	0.65	0.76
		5.4		0.46	0.51	0.59	0.68
DHC 8/10-2 Trend		7.2		0.61	0.68	0.78	0.91
			7.2	0.61	0.68	0.78	0.91
			9.6	0.81	0.91	1.04	1.21
		9.0		0.76	0.85	0.98	1.14
DHC 12/15-2 Trend		10.8		0.9	1.02	1.16	1.35
			12.0	1.01	1.14	1.3	1.52
			14.4	1.21	1.37	1.56	1.82

DHC Trend is adjustable to deliver 2 stages of power output. Factory-default setting is stage 2 [high].

If lower output is needed, set the red jumper to stage 1 [low].

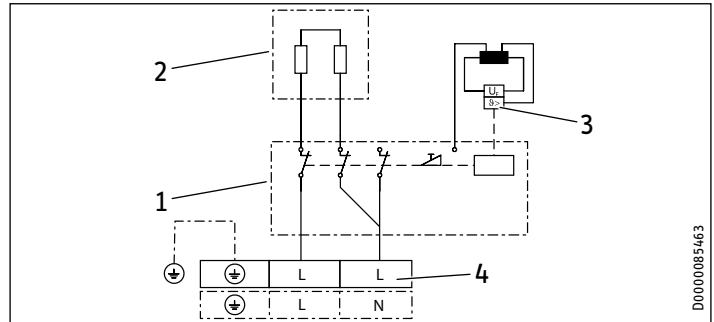


DHC 3/3.5-1 Trend

1/N/GND ~ 120V

DHC 4/6-2 Trend

2/GND ~ 208 / 240V

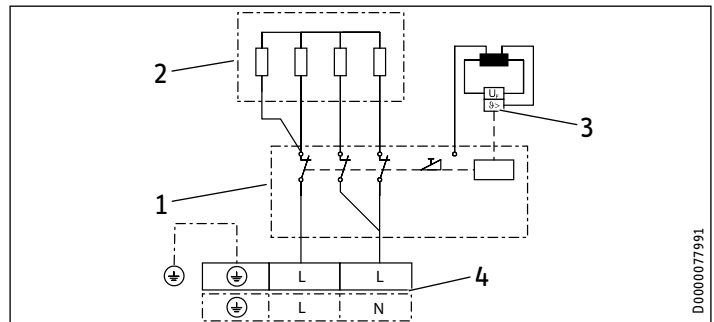


- 1 Power PCB with integral safety switch
- 2 Direct Coil™ heating system
- 3 Self-resetting high limit safety cut-out, Klixon
- 4 Wiring block

DHC 8/10-2 Trend | DHC 12/15-2 Trend

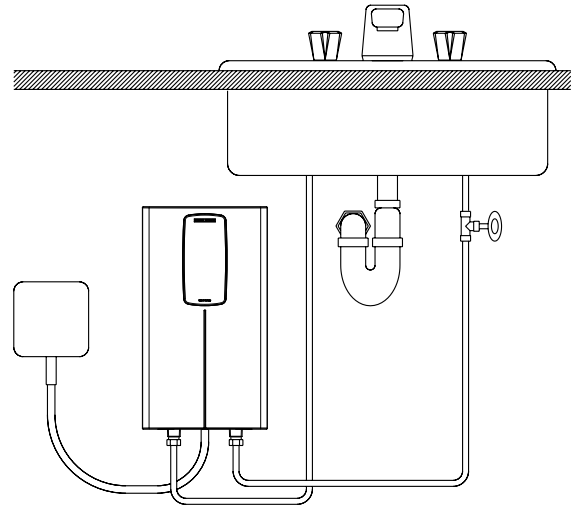
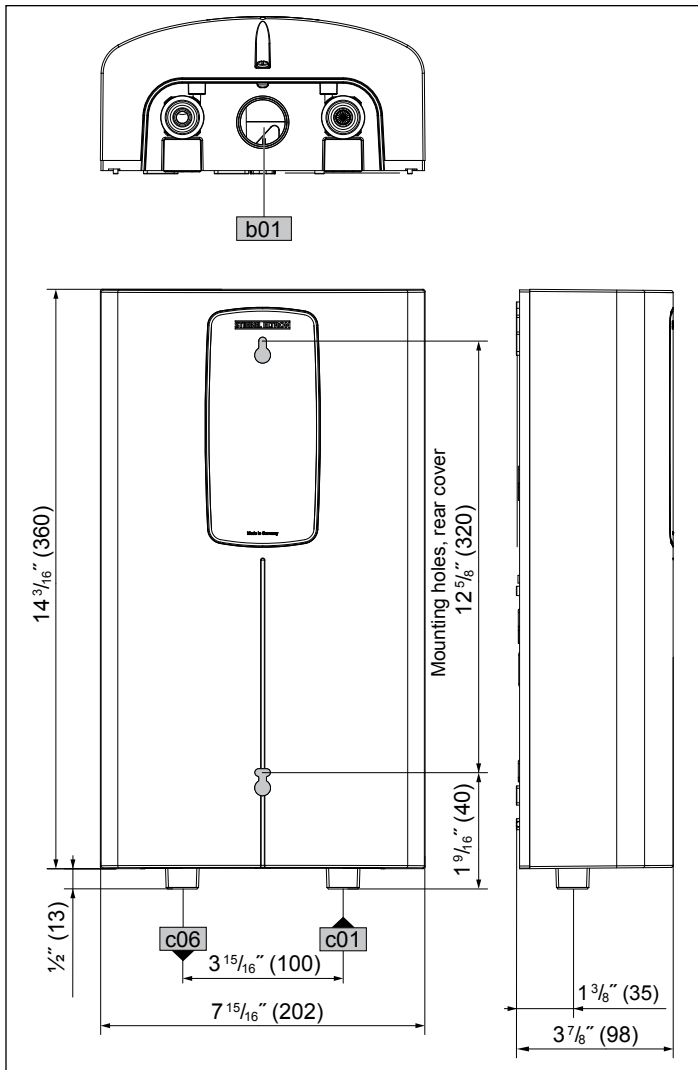
2/GND ~ 208 / 240 V

1/N/GND ~ 208 / 240 V



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Dimensions



Intertek

Conforms to UL Std. 499
 Certified to CAN/CSA
 Std. C22.2 No.64

ISO 9001
 CERTIFIED



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

Specification

The electric tankless water heater shall be equipped with a direct coil nichrome heating element housed in a pressure-tested, glass-reinforced polyamide heating chamber. The unit shall be equipped with a flow sensor with a miniaturized turbine that feeds the water flow rate information into the main circuit board. Temperature output shall be adjustable by jumper during installation at one of the following values: 100 °F (38 °C), 109 °F (43 °C), 122 °F (50 °C), or 140 °F (60 °C). The unit shall be equipped with a safety high-limit switch with manual reset that triggers at 185 °F (85 °C). The water connections shall be designed for standard 1/2" NPT female adapter. The housing of the unit shall be made of high impact polycarbonate plastic. The unit shall be certified to ANSI ANSI/UL Std. 499 and conform to CAN/CSA Std. C22.2 No.64.

Engineer/Architect _____	Date _____
Job Name/Customer _____	Location _____
Contractor _____	Representative _____
	Qty kW Voltage Amps
DHC Trend model _____	_____