

The Stiebel T-SERIES

Unlimited Supply of Hot Water. Keeps heating water instantly as it is called for. The T-Series completely replaces a conventional tank heater with no disruption to your comfort and hot water needs.

Saves Energy and Reduces Your Electric Bill. Electric tank type water heaters are subject to stand-by losses which amount to 15 - 20% of the kWh used. Changing to a tankless system can result in savings of up to 20%.



Sleek Design Saves Space.

The T-Series takes up considerably less space than conventional tank type water heaters and saves valuable living space.

Control Temperature Simply by Setting a Dial.

Set the knob on the front cover and enjoy water temperatures between 86°F (30°C) and 125°F (52°C). Change the desired temperature at any time. Advanced microprocessor technology ensures that the water temperature never deviates from the set point.

Proven Reliability. The T-Series has an enviable track record of engineering excellence and product quality. The three year parts warranty is unique in the industry. You can depend on the T-Series for many years to come.

Seismic Proof Construction.

The T-Series is a tankless water heater system, and is thereby not subject to seismic code. There is

no need for preventative construction, as required when using a tank type water heater.

Take The Cover Off We have done our homework. As a leader in the tankless electric water heating industry, Tankless Hot Water is proud to introduce the new T-Series. Germany's engineering and manufacturing tradition of excellence means that you can depend on its performance for many years to come.

Superior, Reliable Performance.

The T-Series has several temperature and flow sensors which feed their readings into the unit's proprietary microprocessor control. Heating elements are engaged in stages, achieving the temperature you called for. The T-Series continually monitors the water temperature it produces.



	T-12	T-15	T-20	T-24	T-29	T-36
1 Bath	Warm	Cool	Warm			
1 Bath		Warm				
2 Baths			Warm			
2 Baths				Warm		
3 Baths				Warm	Warm	
3 Baths					Warm	Warm
4 Baths			2x T-20	2x T-24		Warm
4 Baths				2x T-24		

■ Warm Climate ■ Cool Climate

SIZING CHART



Model		T-12	T-15	T-20	T-24	T-29	T-36
Voltage	V	208	240	208	240	208	240
Wattage	kW	9	12	10.8	14.4	14.4	19.2
Amperage	A	44	50	52	60	70	80
Min. required circuit breaker size	A	60	60	2 x 40	2 x 40	2 x 50	2 x 50
Recommended wire size	AWG COPPER	6	6	2 x 8	2 x 8	2 x 8	2 x 8
Maximum temp. increase above ambient water temp.	@1.50 GPM	41	54	49	65	66	88
	@2.25 GPM	27	36	37	43	44	58
	@3.00 GPM	20	27	25	33	33	44
	@4.50 GPM	-	-	-	-	22	29
Min. water flow to activate unit	GPM / Lmin	0.29 / 1.1	0.58 / 2.2	0.58 / 2.2	0.58 / 2.2	0.87 / 3.3	0.87 / 3.3
Weight	Lb / Kg	15 / 6.8	18 / 8.1	21 / 9.5	18 / 8.1	24.25 / 11	24.25 / 11
Nominal water volume	Gal / L	0.13 / 0.5	0.26 / 1.0	0.26 / 1.0	0.26 / 1.0	0.39 / 1.5	0.39 / 1.5
Width	inch / cm		14 9/16 / 37				21 3/4 / 55.2
Height	inch / cm					14 1/2 / 36.7	
Depth	inch / cm					4 5/8 / 11.6	
Working pressure	PSI / BAR					150 / 10	
Tested to pressure	PSI / BAR					300 / 20	
Water connections						3 / 4" NPT	

TECHNICAL DATA

The Stiebel DHC Series

The STIEBEL ELTRON DHC tankless water heaters are designed for installation at the point of use. They heat water instantaneously as it flows through the unit. Stand-by losses are completely eliminated.



The heating elements are controlled by a flow switch and by an exclusive scald-guard thermostat, which keeps the water temperature within safe

limits at all times. In addition, 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.



The models DHC 3-1, DHC 3-2 and DHC 4-2 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.

- Up to 50% less power consumption compared to storage type heaters
- Hot water instantly
- Exclusive built in scald guard thermostat
- Lower installation costs compared to tank type units
- Available in many different kW sizes
- Available for 120v, 208v, 277v and 240v

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	Flow	GPM	DHC 3-1	DHC 3-2	DHC 4-2	DHC 4-3	DHC 5-2	DHC 6-2	DHC 8-2	DHC 10-2
Lav. Sink	Low	0.50								
	Low	0.50								
	Low-Med	0.75								
	Low-Med	0.75								
	Med	1.00								
	Med	1.00								
Kitchen Sink	Low	1.00								
	Low	1.00								
Utility Sink	Med	1.50								
	Med	1.50								
Utility Sink	1.50 - 2.00									
	1.50 - 2.00									

Type	Temperature Increase Above Ambient Water Temperature [F°]									
	kW	0.32	0.42	0.5	0.69	0.75	0.79	1.0	1.5	2.0
DHC 3-1 @ 120V	3.0	65	48	41	30	27	26	20	14	10
DHC 3-2 @ 208V	2.5	54	40	34	25	23	22	17	11	9
DHC 3-2 @ 240V	3.3	71	53	45	33	30	28	22	15	11
DHC 4-2 @ 208V	2.9	-	47	40	29	26	25	20	13	10
DHC 4-2 @ 240V	3.8	-	61	52	38	35	33	26	17	13
DHC 4-3 @ 277V	4.5	-	73	61	45	41	39	31	20	15
DHC 5-2 @ 208V	3.6	-	58	49	36	33	31	25	16	12
DHC 5-2 @ 240V	4.8	-	77	65	48	44	41	33	22	16
DHC 6-2 @ 208V	4.5	-	-	61	45	41	39	31	20	15
DHC 6-2 @ 240V	6.0	-	-	82	60	54	52	41	28	20
DHC 8-2 @ 208V	5.4	-	-	-	54	41	39	31	20	15
DHC 8-2 @ 240V	7.2	-	-	-	71	65	62	49	33	25
DHC 10-2 @ 208V	7.2	-	-	-	-	-	62	49	33	25
DHC 10-2 @ 240V	9.6	-	-	-	-	-	82	65	44	33

The KVAR/PFC

The KVAR/PFC unit fine tunes the electrical system in your home or office. This fine tuning reduces heat generation and “doubles as a surge protector” for your entire home. It also prolongs the life of your electrical wiring and motors, reduces amperage and results in reduced consumption of electricity. KVAR/PFC clients realize an average of 8% to 15% reduction in their monthly energy bill. It causes less waste of electrical energy while increasing the life of the inductive equipment in your home or office. It increases the capacity to the electrical panel by making it run cooler.



Specifications

- Single Phase / Three Phase
- 220/480 Volt AC capacity
- Withstands surges to 480 VAC
- Self-healing metallized capacitors
- Low losses, 0.5 watt per kVAR
- UL Recognized Pressure Sensitive Interrupter
- Interrupter for maximum 10,000 amp fault currents
- Discharge system to reduce voltage to 50 volts or less within 1 minute of de-energization . Case rupture protection: Internal pressure sensitive devices incorporated to activate at end of life or misapplication.
- Operating temperature range of -40° C to +90° C
- Flashpoint: + 182 degree C to + 200 degree C
- UL Listed and CSA Approved
- Values +/- 2% of rating
- Hermetically sealed aluminum case with turn plate steel cover
- Phenolic insulating bushings
- Box size 6” x 6” x 4” up to 12” x 12” x12”
- Operating Life: 60,000 hours with 95% survival
- General Enclosure: NEMA 3R Indoor/Outdoor
- Wire Rating: 600 Volts, THHN or MTW or THWN or AWM, Gasoline & Oil

DHC Technical Data

Model		DHC 3-1	DHC 3-2	DHC 4-2	DHC 4-3	DHC 5-2	DHC 6-2	DHC E-8	DHC E-10	
		DHC 3-1	DHC 3-2	DHC 4-2	DHC 4-3	DHC 5-2	DHC 6-2	DHC 8-2	DHC 10-2	
Phase		1	1	1	1	1	1	1	1	
Voltage	V	120	208 240	208 240	277	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	30 40	40 50	
Recommended wire size	AWG COPPER	10	14 12	12 12	12	10 10	10 10	10 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

TANKLESS HOT WATER

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