

DHC-E Technical Specifications

Technical Data



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



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



Model	Item Number	DHC-E 8/10* 224201		DHC-E 12 230628	
Phase		single 50/60 Hz		single 50/60 Hz	
Voltage		240 v	or 208 v	240 v	or 208 v
Wattage		7.2/9.6 kW	5.4/7.2 kW	12 kW	9 kW
Amperage		30/40 A	26/35 A	50 A	44 A
Min. recommended circuit breaker ¹ (DP)		30/40 A	30/35 A	50 A	50 A
Min. recommended wire size ² (copper)		10 AWG/8 AWG		8 AWG	
Maximum temperature increase above ambient water temp.	@ 0.75 GPM	66/87 °F	49/66 °F	92 °F	82 °F
	@ 1.00 GPM	49/66 °F	37/49 °F	82 °F	61 °F
	@ 1.50 GPM	33/44 °F	25/33 °F	54 °F	41 °F
	@ 2.25 GPM	-	-	36 °F	27 °F
	@ 3.00 GPM	-	-	27 °F	20 °F
Min. water flow to activate unit		0.264 gpm (1.0 l/min)			
Max. inlet water temperature		131 °F (55 °C)			
Weight		5.9 lb (2.7 kg)			
Nominal water volume		0.13 gal (0.5 l)			
Dimensions		Width 7 ¹ / ₈ " (20.0 cm) x Height 14 ³ / ₁₆ " (36.0 cm) x Depth 4 ¹ / ₈ " (11.0 cm)			
Minimum pressure		30 psi (2 bar)			
Working pressure		150 psi (10 bar)			
Tested to pressure		300 psi (20 bar)			
Water connections		1/2" NPT			

*DHC-E 8/10 is a single unit that is switchable at installation via jumper for output at 7.2 kW (Stage 1) or 9.6 kW (Stage 2).

¹ Overcurrent protection sized at 100% of load. Tankless water heaters are considered a non-continuous load.

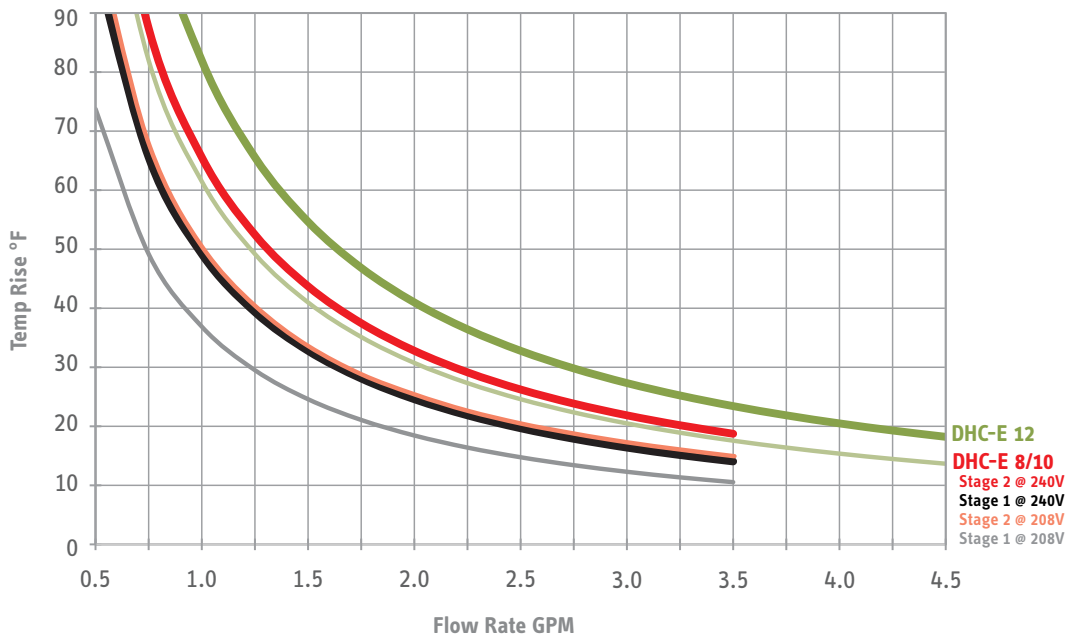
² Copper conductors with a temperature rating of 75 °C or greater must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

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

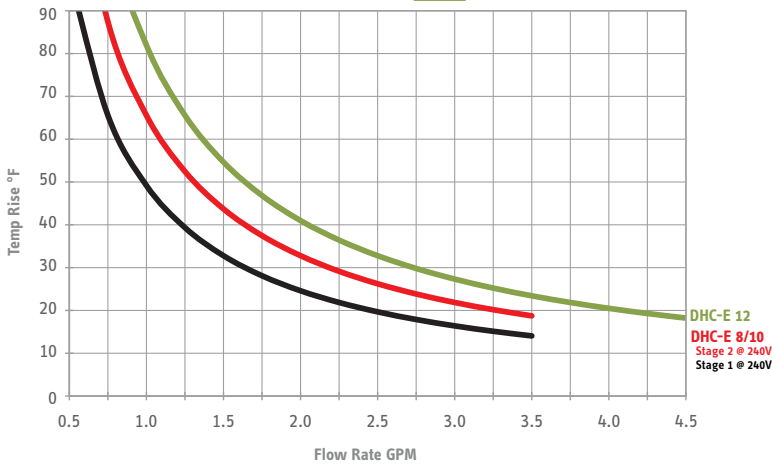
Scroll for temp. rise charts. ↓

DHC-E Technical Specifications

Temperature Rise vs. Flow Rate at 240 V and 208 V



Temperature Rise vs. Flow Rate at 240 V



Temperature Rise vs. Flow Rate at 208 V

