

DHC-E Technical Specifications

Technical Data



Certified to ANSI/UL Std. 499
Conforms to CAN/CSA E335-1 & E335-2-35



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)		8 AWG		6 AWG	
Maximum temperature increase above ambient water temp.	@ 0.75 GPM	66/87	49/66	92	82
	@ 1.00 GPM	49/66	37/49	82	61
	@ 1.50 GPM	33/44	25/33	54	41
	@ 2.25 GPM	-	-	36	27
	@ 3.00 GPM	-	-	27	20
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			
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).

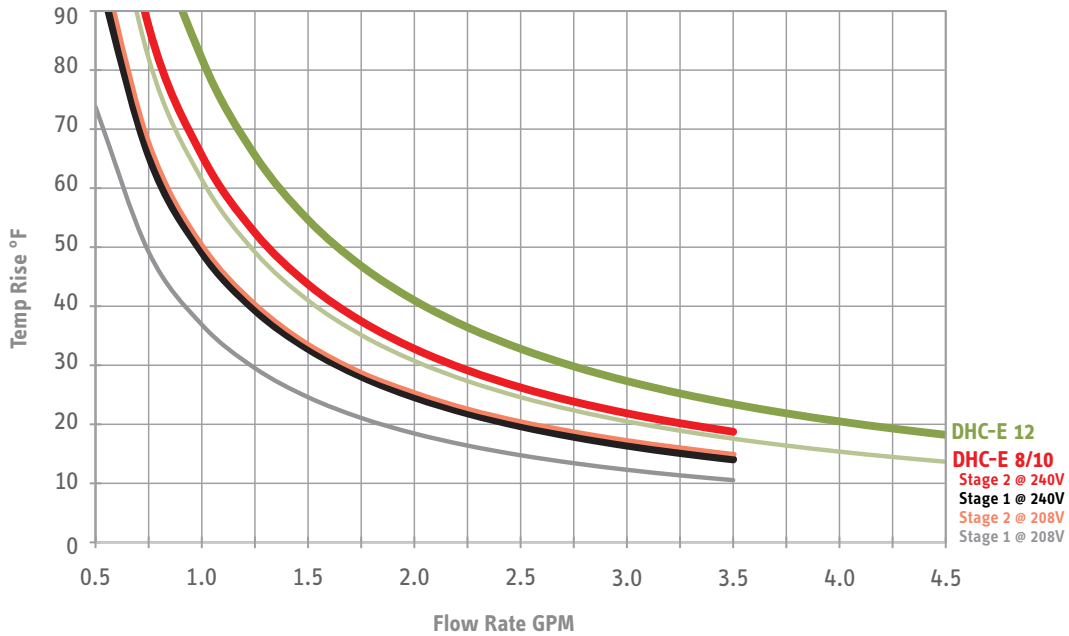
¹ This is our recommendation for overcurrent protection sized at 100% of load. Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

² Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

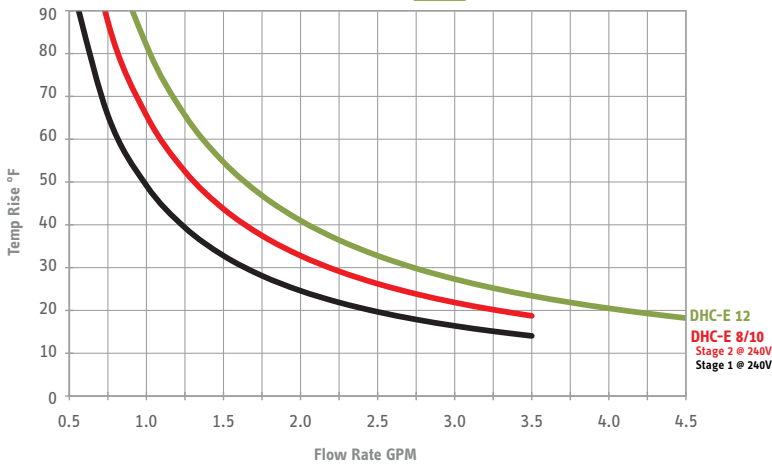
Scroll for temp. rise charts. ↓

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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

