

DHC Classic Technical Specifications

Technical Data



Certified to ANSI/UL Std. 499
Conforms to CSA Std. E335-1/3E
& E60335-2-35



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



| Model | DHC 3-1 Classic | DHC 3-2 Classic | | DHC 4-2 Classic | | DHC 4-3 Classic | DHC 5-2 Classic | | DHC 6-2 Classic | | DHC 6-3 Classic | DHC 8-2 Classic | | DHC 9-3 Classic | DHC 10-2 Classic | |
|--|---|----------------------|--------|----------------------|----------|----------------------|----------------------|--------|----------------------|--------|----------------------|----------------------|--------|---------------------|------------------|---------------------|
| Item no. | 202646 | 202647 | | 202648 | | 202649 | 202650 | | 202651 | | 202652 | 202653 | | 202654 | | 202655 |
| Phase - 50/60 Hz | 1 | | | | | | | | | | | | | | | |
| Voltage | 120 V | 240 V | 208 V | 240 V | 208 V | 277 V | 240 V | 208 V | 240 V | 208 V | 277 V | 240 V | 208 V | 277 V | 240 V | 208 V |
| Wattage | 3.0 kW | 3.3 kW | 2.5 kW | 3.8 kW | 2.9 kW | 4.5 kW | 4.8 kW | 3.6 kW | 6.0 kW | 4.5 kW | 6.0 kW | 7.2 kW | 5.4 kW | 9.0 kW | 9.6 kW | 7.2 kW |
| Amperage | 25 A | 14 A | 12 A | 16 A | 14 A | 17 A | 20 A | 18 A | 25 A | 22 A | 21.7 A | 30 A | 26 A | 32.5 A | 40 A | 35 A |
| Min. recommended circuit breaker size ¹ | 25 A | 15 A | 15 A | 20 A | 15 A | 20 A | 20 A | 20 A | 25 A | 25 A | 25 A | 30 A | 30 A | 35 A | 40 A | 35 A |
| Min. recommended wire size ² | 10/2 AWG | 14/2 AWG | | 12/2 AWG | 14/2 AWG | 12/2 AWG | 12/2 AWG | | 10/2 AWG | | 10/2 AWG | 10/2 AWG | | 8/2 AWG | | 8/2 AWG |
| Minimum water flow to activate unit | 0.32 gpm (1.2 l/min) | 0.32 gpm (1.2 l/min) | | 0.43 gpm (1.6 l/min) | | 0.43 gpm (1.6 l/min) | 0.43 gpm (1.6 l/min) | | 0.48 gpm (1.8 l/min) | | 0.48 gpm (1.6 l/min) | 0.69 gpm (2.6 l/min) | | 0.8 gpm (3.0 l/min) | | 0.8 gpm (3.0 l/min) |
| Weight | 5.5 lb (2.5 kg) | 4.6 lb (2.1 kg) | | 4.6 lb (2.1 kg) | | 4.6 lb (2.1 kg) | 4.6 lb (2.1 kg) | | 5.5 lb (2.5 kg) | | 5.5 lb (2.5 kg) | 5.5 lb (2.5 kg) | | 5.5 lb (2.5 kg) | | 5.5 lb (2.5 kg) |
| Dimensions | Width 7 ¹⁵ / ₁₆ " (20.2 cm) x Height 14 ³ / ₁₆ " (36.0 cm) x Depth 3 ¹ / ₈ " (9.8 cm) | | | | | | | | | | | | | | | |
| Nominal water volume | 0.13 gal (0.5 l) | | | | | | | | | | | | | | | |
| Max. permissible inlet temperature | 86 °F (30 °C) | | | | | | | | | | | | | | | |
| Minimum pressure | 30 psi (2 bar) | | | | | | | | | | | | | | | |
| Working pressure | 150 psi (10 bar) | | | | | | | | | | | | | | | |
| Tested to pressure | 300 psi (20 bar) | | | | | | | | | | | | | | | |
| Water connections ³ | 1/2" NPT | | | | | | | | | | | | | | | |

DHC 3-1, 3-2, 4-2 Classic ship with a 0.5 gpm (1.9 l/min) pressure compensating flow-reducer/aerator that must be installed.

¹ This is our recommendation for overcurrent protection sized at 100% of load (DP for 240/208/277 V & SP for 120 V models). Check local codes for compliance if necessary. Tankless water heaters are considered a non-continuous load.

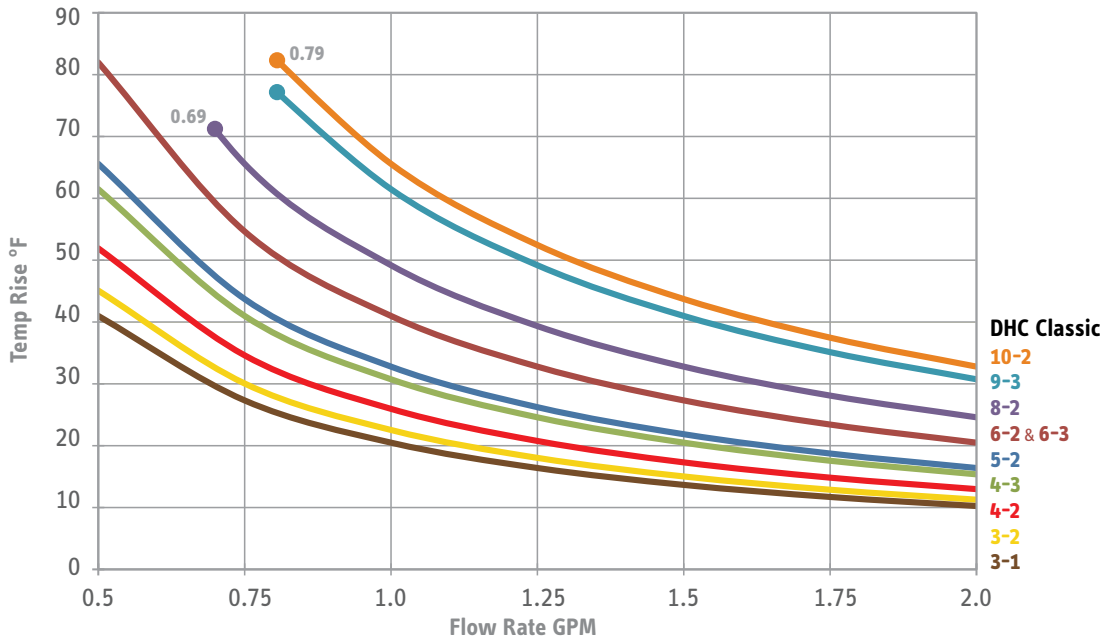
² Copper must be used. Conductors should be sized to maintain a voltage drop of less than 3% under load.

³ Suitable for supply with cold water only.

Scroll for temp. rise charts. ↓

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Temperature Rise vs. Flow Rate at Maximum Rated Voltage



Temperature Rise vs. Flow Rate at 208 V

