

Tempra® Series Technical Specifications

Technical Data



Certified to ANSI/UL Std. 499
Conforms to CAN/CSA Std. C22.2 No.88



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



Tempra® Model	12 Trend 239213		15 Trend 239214		20 Trend 239215		24 Trend ³ 239216		29 Trend ⁴ 239217		36 Trend ⁵ 239218	
Item Number	12 Plus 239219		15 Plus 239220		20 Plus 239221		24 Plus ³ 239222		29 Plus ⁴ 239223		36 Plus ⁵ 239225	
Phase	single 50/60 Hz		single ⁶ 50/60 Hz		single ⁶ 50/60 Hz		single ⁶ 50/60 Hz		single ⁶ 50/60 Hz		single ⁶ 50/60 Hz	
Voltage	240 V or 208 V		240 V or 208 V		240 V or 208 V		240 V or 208 V		240 V or 208 V		240 V or 208 V	
Wattage	12 kW	9 kW	14.4 kW	10.8 kW	19.2 kW	14.4 kW	24 kW	18 kW	28.8 kW	21.6 kW	36 kW	27 kW
Amperage draw	50 A	44 A	2 x 30 A	2 x 26 A	2 x 40 A	2 x 35 A	2 x 50 A	2 x 44 A	3 x 40 A	3 x 35 A	3 x 50 A	3 x 44 A
Number & min. recommended size of circuit breakers ¹ (DP)	1 x 50 A		2 x 30 A		2 x 40 A	2 x 35 A	2 x 50 A		3 x 40 A	3 x 35 A	3 x 50 A	
Number of runs & min. recommended wire size ² (copper)	1 x 8/2 AWG		2 x 10/2 AWG		2 x 8/2 AWG		2 x 8/2 AWG		3 x 8/2 AWG		3 x 8/2 AWG	
Maximum temperature increase above ambient water temp	@ 1.50 GPM	54°F	41°F	65°F	49°F	88°F	66°F	92°F	82°F	92°F	92°F	92°F
	@ 2.25 GPM	36°F	27°F	43°F	37°F	58°F	44°F	73°F	54°F	87°F	66°F	92°F
	@ 3.00 GPM	27°F	20°F	33°F	25°F	44°F	33°F	54°F	41°F	66°F	49°F	82°F
	@ 4.50 GPM	-	-	-	-	29°F	22°F	37°F	27°F	44°F	33°F	55°F
Min. water flow to activate unit	0.37 gpm (1.4 l/min)		0.50 gpm (1.9 l/min)		0.50 gpm (1.9 l/min)		0.50 gpm (1.9 l/min)		0.77 gpm (2.9 l/min)		0.77 gpm (2.9 l/min)	
Weight	13.5 lb (6.1 kg)		16.1 lb (7.3 kg)		16.1 lb (7.3 kg)		16.1 lb (7.3 kg)		19.0 lb (8.6 kg)		19.0 lb (8.6 kg)	
Nominal water volume	0.13 gal (0.5 l)		0.26 gal (1.0 l)		0.26 gal (1.0 l)		0.26 gal (1.0 l)		0.39 gal (1.5 l)		0.39 gal (1.5 l)	
Max. inlet water temperature	131°F (55°C)											
Dimensions	Width 16 ⁵ / ₈ " (42.0 cm) x Height 14 ¹ / ₂ " (36.9 cm) x Depth 4 ⁵ / ₈ " (11.7 cm)											
Minimum pressure	30 psi (2 bar)											
Working pressure	150 psi (10 bar)											
Tested to pressure	300 psi (20 bar)											
Water connections	3/4" NPT											

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.

³ Requires minimum 150 A main service. ⁴ Requires 200 A main service. ⁵ Requires 300 A main service.

⁶ 29 Trend/Plus & 36 Trend/Plus may be wired for balanced 3-phase 208 V.

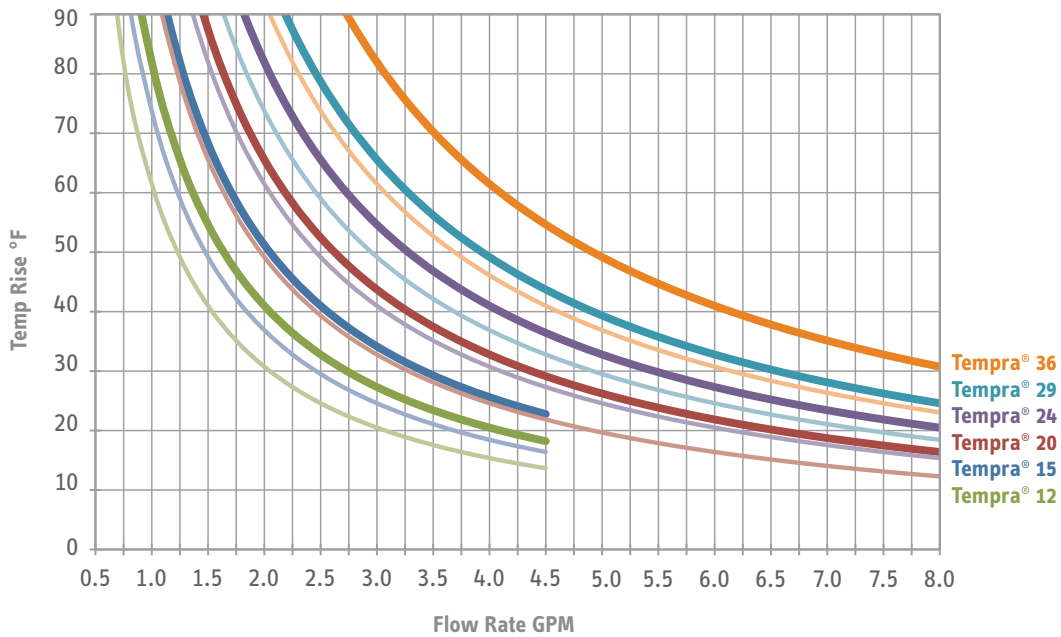
15 Trend/Plus, 20 Trend/Plus, 24 Trend/Plus may be wired for unbalanced 3-phase 208 V.

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

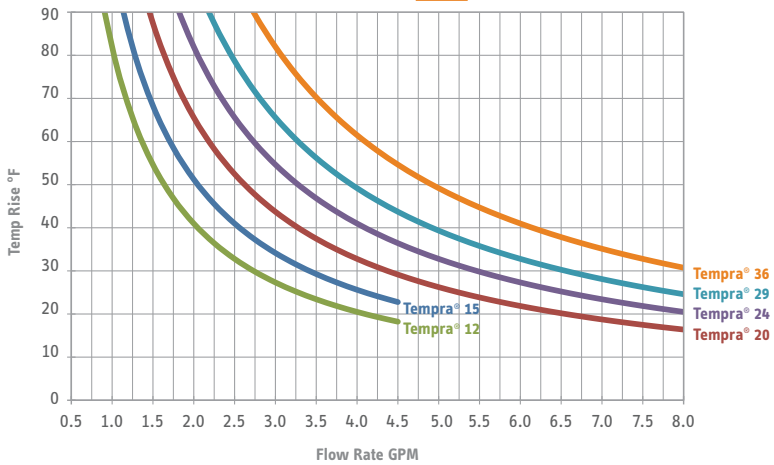
Scroll for temp. rise charts. ↓

Tempra® Series 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

