

# 3U Rack Mount

## Thermoelectric Chillers

1-877-242-3232 (toll free)  
www.thermotekusa.com

ThermoTek's new **3U Rack Mount** thermoelectric chillers are our newest offering in our high-performance line of solid-state chillers. These liquid chillers are the smallest rack mountable chillers in the industry at only 3U (5.25") tall and offer standard cooling capacities of 240, 485 or 700 watts with multiple pump options available. All rack chillers incorporate standard features like **fan speed control** for reduced noise, a **touch-screen interface** and **RS-232** and **USB** connectivity. Designed with the same ThermoTek reliability and performance you have come to expect, these chillers will satisfy your most demanding cooling applications.



### FEATURES

- Standard chillers offer 240, 485 or 700 Watts cooling capacity
- 15 or 43 psi (3 Bar) / 3.8 LPM centrifugal or gear pump
- Only 3U tall (5.25")
- Touch screen interface
- Low noise and vibration
- Integrated front handles
- Universal power supply
- Leak-free QD fittings
- USB and RS-232 connectivity

### SYSTEM PERFORMANCE

- **Thermal Performance:** up to 700 Watts cooling @ 0° DT
- **Stability:** +/- 0.1°C @ >= 0.6 LPM flow at constant load & constant ambient temp
- **Flow Rate Availability:** up to 3.8 LPM (open flow water)
- **Pressure Availability:** up to 3 Bar (43.5 psi) max pressure
- **Temperature Range:** -5°C to +45°C
- **Input Voltage:** 100 - 240 VAC 50/60 Hz

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ECO C01619



# ThermoTek™

1200 Lakeside Parkway, Flower Mound, TX 75028



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Model #	Standard Configurations					
	240 Watts		485 Watts		700 Watts	
	RC22A250-		RC22A500-		RC22A750-	
	Option 1	Option 2	Option 1	Option 2	Option 1	Option 2
	<b>20R0-XSC</b>	<b>50R0-FSC</b>	<b>20R0-XSC</b>	<b>50R0-FSC</b>	<b>20R0-XSC</b>	<b>50R0-FSC</b>
Pump Pressure (max)	<b>1.0 bar</b> (15 psi)	<b>3.0 bar</b> (43.5 psi)	<b>1.0 bar</b> (15 psi)	<b>3.0 bar</b> (43.5 psi)	<b>1.0 bar</b> (15 psi)	<b>3.0 bar</b> (43.5 psi)
Pump Max Flow Rate	3.8 LPM	3.8 LPM	3.8 LPM	3.8 LPM	3.8 LPM	3.8 LPM
Pump Type	Centrifugal	Gear	Centrifugal	Gear	Centrifugal	Gear
Flow Meter	No	Yes	No	Yes	No	Yes
Cooling Capacity (at 0° Delta T)	<b>240 Watts</b> (818 Btu/hr)		<b>485 Watts</b> (1,654 Btu/hr)		<b>700 Watts</b> (2,388 Btu/hr)	
Temperature Stability	+/- 0.1°C		+/- 0.1°C		+/- 0.1°C	
Temperature Range	-5° to +45°C		-5° to +45°C		-5° to +45°C	
Communication	RS-232 & USB		RS-232 & USB		RS-232 & USB	
Heating Capability	Yes		Yes		Yes	
Input Voltage	100-240 VAC 50/60 Hz		100-240 VAC 50/60 Hz		100-240 VAC 50/60 Hz	
Max Input Power	633 watts		1223 Watts		1353 watts	
Noise Level	65 dBa* (55 dBa)**		65 dBa* (55 dBa)**		65 dBa* (55 dBa)**	
Dimensions	19" x 5.25" x 22"		19" x 5.25" x 22"		19" x 5.25" x 22"	
Weight	33 lbs (15 kg)		44 lbs (20 kg)		50.6 lbs (23 kg)	

Mating quick disconnect male fittings for use with 3/8" ID tubing included.

\*Integrated Fan Speed Control disabled and Pump Drive set to 100%

\*\*Integrated Fan Speed Control active and Pump Drive set to 30%

(Optional fittings available - consult ThermoTek)



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