

3U Rack Mount

Thermoelectric Chillers



High-Performance, 3U Package

The 3U chillers are ThermoTek's high-performance line of Rack Mounted solid-state thermoelectric chillers. These liquid chillers are the smallest rack-mountable chillers in the industry with the performance and features you have come to expect from ThermoTek. These chillers will satisfy your most demanding cooling applications.

Model #	RC15A250 20R0-FSC	20R0-XSC	RC22A250 20R0-FSC	50R0-FSC
Cooling Capacity (0°C DeltaT)	240 Watts		240 Watts	
Chassis Depth	15" Deep	22" Deep	22" Deep	22" Deep
Pump Pressure (max)	1.0 bar (15psi)	1.0 bar (15psi)	1.0 bar (15psi)	3.0 bar (43.5psi)
Pump Max Flow Rate	3.8 LPM	3.8 LPM	3.8 LPM	4.0 LPM
Pump Type	Centrifugal (Fixed Drive)	Centrifugal (Fixed Drive)	Centrifugal (Fixed Drive)	Gear (Variable Drive)
Flow Meter	Yes	No	Yes	Yes
Remote Temp Sensing	Yes	No	Yes	Yes
Fan Speed Control	Yes	Yes	Yes	Yes
Electrical Interlock	Yes	No	Yes	Yes
Max Input Power	633 Watts	633 Watts	633 Watts	633 Watts
Dimensions (Inches)	19 x 5.25 x 15	19 x 5.25 x 22	19 x 5.25 x 22	19 x 5.25 x 22
Weight	32 lbs (15 kg)	33 lbs (15 kg)	33 lbs (15 kg)	33 lbs (15 kg)

Features

- + Smallest rack mountable at 3U (5.25")
- + 240, 485, or 700W cooling capacity
- + Temperature Stability: $\pm 0.1^{\circ}\text{C}$
- + Temperature Range: -5°C to $+45^{\circ}\text{C}$
- + Touch screen interface
- + RS-232 and USB connectivity
- + Integrated front handles
- + Standard Colder CPC Leak free QD fittings
- + 120 - 240 VAC / 50/60 Hz Input
- + Fan speed control to reduce noise (55-65 dBa)

Model #	20R0-XSC	RC22A500 20R0-FSC	50R0-FSC	20R0-XSC	RC22A750 20R0-FSC	50R0-FSC
Cooling Capacity (0°C DeltaT)	485 Watts			700 Watts		
Chassis Depth	22" Deep	22" Deep	22" Deep	22" Deep	22" Deep	22" Deep
Pump Pressure (max)	1.0 bar (15psi)	1.0 bar (15psi)	3.0 bar (43.5psi)	1.0 bar (15psi)	1.0 bar (15psi)	3.0 bar (43.5psi)
Pump Max Flow Rate	3.8 LPM	3.8 LPM	4.0 LPM	3.8 LPM	3.8 LPM	4.0 LPM
Pump Type	Centrifugal (Fixed Drive)	Centrifugal (Fixed Drive)	Gear (Variable Drive)	Centrifugal (Fixed Drive)	Centrifugal (Fixed Drive)	Gear (Variable Drive)
Flow Meter	No	Yes	Yes	No	Yes	Yes
Remote Temp Sensing	No	Yes	Yes	No	Yes	Yes
Fan Speed Control	Yes	Yes	Yes	Yes	Yes	Yes
Electrical Interlock	No	Yes	Yes	No	Yes	Yes
Max Input Power	1223 Watts	1223 Watts	1223 Watts	1353 Watts	1353 Watts	1353 Watts
Dimensions (Inches)	19 x 5.25 x 22	19 x 5.25 x 22	19 x 5.25 x 22	19 x 5.25 x 22	19 x 5.25 x 22	19 x 5.25 x 22
Weight	44 lbs (20 kg)	44 lbs (20 kg)	44 lbs (20 kg)	50.6 lbs (23 kg)	50.6 lbs (23 kg)	50.6 lbs (23 kg)



Benchtop formats also available



Backed by 30 years of experience with thermoelectric and precision engineering, ThermoTek offers advanced solutions that support post-surgical recovery and scientific thermal management. We pride ourselves on delivering high-quality dependable products that directly address our customers' needs.



Think Customer

Drive simplified solutions



Enable Change

Challenge the status quo



Alignment

One team, one direction



Empowerment

Own it, do it right



Sustainability

Accelerate design and development