

Model	T2C	T2RC
Cubic Feet	2	2
Liters	56	56
Work Space (WxDxH)	16" x 13.5" x 16" / 406mm x 343mm x 406mm	16" x 13.5" x 16" / 406mm x 343mm x 406mm
Exterior (WxDxH)	26" x 27" x 65" / 660mm x 686mm x 1651mm	26" x 27" x 68" / 660mm x 686mm x 1727mm
Approx Unit Weight (lbs)	495 lbs / 225 kg	565 lbs / 257 kg
Approx Crated Weight (lb)	545 lbs / 248 kg	615 lbs / 279 kg
Standard Temperature Range	-68°C to 180°C	
Optional Temperature Range	-75°C to 200°C	-75°C to 180°C
Humidity Range	N/A	20% to 95% in the dry bulb range of +20°C to 85°C as limited by a 5°C Dewpoint
Temperature Control	± 1.0C° after stabilization	
Humidity Control	N/A	± 5% RH after stabilization
Air Flow Rate	50 CFM	
Heat capacity	500 W	
Refrigeration	Two (2) 1/2 HP	
Humidifier	N/A	500 W-GPH 0.15
Condenser	Air Cooled	
Condenser Discharge Air	Exits on right side of the chamber	
Heat of Rejection	Maximum 6300 BTU's per hour	
Power	120V -1PH-60Hz	
Amp - Fuse	20	
Amp - Under Load	16	
NEMA Plug	Male Plug NEMA 5-20P	
Standard Ports Included (loc)	3" Standard Port w/Plug centered left sidewall	
Decibel Level	Less than 58 dBa measured 3 feet from chamber, 5 feet from the floor at right angles	
Load Per Shelf	10 lbs / 5 kg per shelf (Maximum chamber load including shelf and floor load not to exceed 50 lbs / 23 kg)	
Number of Shelves Standard	None	
Max Number of Shelves	4 shelves	
Shelf Spacing	2" / 50mm on Pilasters	
Chamber Spacing Requirements	18" / 458mm on all sides	
Floor Load Rating	50 lbs / 23 kg	
Cooling Rate (empty chamber) Min (°C/min)		
180°C to -65°C	111(2.2)	111(2.2)
180°C to ambient°C	48(3.2)	48(3.2)
125°C to -35°C	54(2.9)	54(2.9)
85°C to -40°C	46(2.7)	46(2.7)
85°C to 25°C	17(3.5)	17(3.5)
ambient to -20°C	13(3.4)	13(3.4)
ambient to -35°C	20(2.9)	20(2.9)
ambient to -40°C	26(2.4)	26(2.4)
ambient to -65°C	49(1.8)	49(1.8)
ambient to -68°C	57(1.6)	57(1.6)
Heating Rate (empty chamber) Min (°C/min)		
-65°C to 180°C	100(2.4)	100(2.4)
-65°C to 25°C	31(2.8)	31(2.8)
-40°C to 25°C	21(3.0)	21(3.0)
-20°C to 85°C	32(3.2)	32(3.2)
-40°C to 85°C	37(3.3)	37(3.3)
-35°C to 180°C	104(2.0)	104(2.0)
-35°C to ambient	21(2.7)	21(2.7)
-68°C to ambient	23(4.0)	23(4.0)
ambient to 85°C	18(3.3)	18(3.3)
ambient to 125°C	36(2.7)	36(2.7)
ambient to 180°C	70(2.1)	70(2.1)
Live Load Watts @ - 18°C	300	300
Live Load Watts @ - 40°C	200	200
Live Load Watts @ - 54°C	150	150
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