

Model	UTC	UTRC
Cubic Feet	5	5
Liters	141	141
Work Space (WxDxH)	20.5" x 20" x 22" / 521mm x 508mm x 559mm	20.5" x 20" x 22" / 521mm x 508mm x 559mm
Exterior (WxDxH)	43" x 32" x 74" / 1702mm x 762mm x 1042mm	43" x 32" x 74" / 1702mm x 762mm x 1042mm
Approx Unit Weight (lbs)	825 lbs / 375 kg	875 lbs / 397 kg
Approx Crated Weight (lb)	875 lbs / 397 kg	925 lbs / 420 kg
Standard Temperature Range	-68°C to 180°C	
Optional Temperature Range	-70°C to 200°C	-70°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
<b>Cooling Rate (empty chamber) Min (°C/min)</b>		
180°C to -65°C	59 (4.1)	59 (4.1)
125°C to -35°C	34 (4.7)	34 (4.7)
85°C to -40°C	23 (5.4)	23 (5.4)
ambient to -20°C	6 (7.5)	6 (7.5)
ambient to -35°C	9 (6.6)	9 (6.6)
ambient to -40°C	10 (6.5)	10 (6.5)
ambient to -65°C	25 (3.6)	25 (3.6)
ambient to -68°C	38 (2.4)	38 (2.4)
<b>Heating Rate (empty chamber) Min (°C/min)</b>		
-65°C to 180°C	20 (12.2)	20 (12.2)
-20°C to 85°C	7 (15)	7 (15)
-40°C to 85°C	8 (15.6)	8 (15.6)
-35°C to 180°C	17 (12.6)	17 (12.6)
-68°C to ambient	5 (18.6)	5 (18.6)
ambient to 85°C	4 (15)	4 (15)
ambient to 125°C	7 (14.2)	7 (14.2)
ambient to 180°C	32 (4.8)	32 (4.8)
<b>Live Load Capacity</b>		
Live Load Watts @ - 18°C	930	
Live Load Watts @ - 40°C	820	
Live Load Watts @ - 54°C	560	
<b>General Specifications</b>		
Temperature Control	± 1.0°C after stabilization	
Humidity Control	N/A	± 5% RH after stabilization
Air Flow Rate	115 CFM	
Heat capacity	2000 W	
Refrigeration	Two (2) 1 HP Reciprocating Compressors	
Humidifier	N/A	1500 W-GPH 0.5
Condenser	Air Cooled	
Condenser Discharge Air	Exits on right side of the chamber	
Heat of Rejection	Maximum 19000 BTU's per hour	
Power	230V-1PH-60Hz	
Amp - Fuse	40	
Amp - Under Load	29	
NEMA Plug	Male Plug NEMA 6-50P	
Standard Ports Included	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	
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Performance is based upon an empty chamber operating at 24°C (75°F) ambient air.

On 50Hz or higher than 24°C ambient, performance may be reduced. Consult factory regarding any special cooling requirements.