C-EVO Temperature / Humidity Test Chamber Specifications																				
Model	C10S	C10C	C10RS	C10RC	C20S	C20C	C20RS	C20RC	C30S	C30C	C30RS	C30RC	C40S	C40C	C40RS	C40RC	C64S	C64C	C64RS	C64RC
Cubic Feet (Liters)	10 (283)				20 (566)				30 (850)				40 (1132)				64 (1812)			
Work Space (WxDxH)	24" x 26" x 28" 609 mm x 660 mm x 711 mm				30" x 32" x 36" (762 mm x 812 mm x 914 mm)				36" x 40" x 36" (914 mm x 1016 mm x 914 mm)				40" x 44" x 40" (1016 mm x 1117 mm x 1016 mm)				48" x 48" x 48" 1219 mm x 1219 mm x 1219 mm			
Exterior (WxDxH)	34" x 65" x 75" 863 mm x 1498 mm x 1905 mm				40" x 71" 78" 1016 mm x 1803 mm x 1981 mm				46" x 79" x 78" 1168 mm x 2007 mm x 1981 mm				50" x 83" x 82" 1270 mm x 2108 mm x 2082 mm				58" x 87" x 90" 1473 mm x 2210 cm x 2286 mm			
Approx Unit Weight (lbs)	1295	1429	1367	1531	1511	1664	1596	1754	1656	1864	1775	2100	1831	2184	1951	2296	2308	2653	2420	2765
Cooling Rates (empty chamber) Min (°C/min)																				
180 C to -65°C		72(3.4)		72(3.4)		111(2.2)		111(2.2)		136(1.8)		136(1.8)		160(1.5)		160(1.5)		211(1.2)		211(1.2)
125 C to -32°C		37(4.5)		37(4.5)		53(3.1)		53(3.1)		63(2.6)		63(2.6)		76(2.2)		76(2.2)		96(1.7)		96(1.7)
85 C to -20°C	22(4.8)		22(4.8)		33(3.2)		33(3.2)		40(2.6)		40(2.6)		54(1.9)		54(1.9)		80(1.3)		80(1.3)	
85 C to -40°C		30(4.1)		30(4.1)		45(2.8)		45(2.8)		54(2.3)		54(2.3)		65(1.9)		65(1.9)		88(1.4)		88(1.4)
ambient to -40°C		15(4.3)		15(4.3)		23(2.8)		23(2.8)		28(2.3)		28(2.3)		35(1.9)		35(1.9)		45(1.4)		45(1.4)
ambient to -68°C		40(2.3)		40(2.3)		66(1.4)		66(1.4)		85(1.1)		85(1.1)		108(0.9)		108(0.9)		160(0.6)		160(0.6)
Heating Rates (empty chamber) Min (°C/min)																				
-65°C to 180°C		55(4.4)		55(4.4)		64(3.8)		64(3.8)		84(2.9)		84(2.9)		102(2.4)		102(2.4)		134(1.8)		134(1.8)
-20°C to 85°C	18(5.8)		18(5.8)		26(4.0)		26(4.0)		32(3.3)		32(3.3)		40(2.6)		40(2.6)		50(2.1)		50(2.1)	
-40°C to 85°C		21(6.0)		21(6.0)		31(4.0)		31(4.0)		38(3.3)		38(3.3)		46(2.7)		46(2.7)		58(2.2)		58(2.2)
-32°C to ambient	10(6.2)		10(6.2)		14(4.2)		14(4.2)		17(3.5)		17(3.5)		21(2.8)		21(2.8)		27(2.2)		27(2.2)	
-68°C to ambient		18(5.1)		18(5.1)		22(4.2)		22(4.2)		25(3.5)		25(3.5)		33(2.8)		33(2.8)		41(2.2)		41(2.2)
Live Load Capacity																				
Live Load Watts @ - 18°C	1200	1700	1200	1700	1160	1650	1160	1650	1120	1610	1120	1610	630	1260	630	1260	560	1210	560	1210
Live Load Watts @ - 40°C		1400		1400		1330		1330		1260		1260		1150		1150		1060		1060
Live Load Watts @ - 54°C		1100		1100		1010		1010		940		940		750		750		630		630
General Specifications																				
Temperature Uniformity	±2°C @ 65°C																			
Temperature Control	± 1.0°C after stabilization																			
Standard Temperature Range	Single stage (S,RS models) -32°C to 180°C Cascade (C,RC models) -68°C to 180°C																			
Optional Temperature Range	Single stage (S models) -32°C to 200°C Single stage (RS models) -32°C to 180°C Cascade (C models) -73°C to 200°C Cascade (RC models) -73°C to 180°C																			
Humidity Range	(RS,RC models only) 20% to 95% in the dry bulb range of 20°C to 85°C as limited by a 5°C dewpoint																			
Control Tolerances	Temperature: ± 1°C after stabilization Humidity: ± 5% RH after stabilization																			
Air Flow Rate	500 CFM																			
Heat Capacity	3KW																			
Humidifier Capacity	1.5KW (RS,RC models only)																			
Refrigeration	Single stage (S,RS models) 2 HP Cascade (C,RC models) (2) 2 HP																			
Condenser	Air Cooled or Water Cooled																			
Heat of Rejection	Single stage (S,RS models) 15,000 BTUH Cascade (C,RC models) 24,000 BTUH																			
Load Per Shelf	100lbs evenly distributed																			
Max Number of Shelves	6 shelves																			
Decibel Level	78 dBa																			
Chamber Spacing Requirement	18" / 458mm on all sides																			
Floor Load Rating	200 lbs evenly distributed, no point load																			
Max Chamber Load	400 lbs includes shelf load																			
Electrical Requirements																				
Power	208V - 230V 1PH 60HZ																			
Amp - Fuse	40/32	50/45	50/40	60/45	40/32	60/45	50/40	60/45	40/32	60/45	50/40	60/45	40/32	60/45	50/40	60/45	40/32	60/45	50/40	60/45
Amp - Fuse/ Under Load	20/16	30/23	30/20	30/23	20/16	30/23	30/20	36/23	20/16	30/23	30/20	30/23	20/16	30/23	30/20	30/23	20/16	30/23	30/20	30/23
Power	460V - 1PH 60HZ																			
Amp - Fuse	20	30	30	30	20	30	30	30	20	30	30	30	20	30	30	30	20	30	30	30
Amp - Under Load	16	23	20	23	16	23	20	23	16	23	20	23	16	23	20	23	16	23	20	23
Model	C10S	C10C	C10RS	C10RC	C20S	C20C	C20RS	C20RC	C30S	C30C	C30RS	C30RC	C40S	C40C	C40RS	C40RC	C64S	C64C	C64RS	C64RC