



Technical Parameters

Rapid Temperature Change Test Chamber – SDE Series



Rapid temperature change test chamber can provide high temperature, low temperature, humidity and other environmental simulation conditions, used in aviation, aerospace, automobile, shipbuilding, military, electronics, petrochemical and other fields of environmental test or reliability test: high and low temperature storage test, high and low temperature cycle test, constant humidity heat test, alternating humidity heat test, etc.

Model	S/SH	702A	702B	702C	702D	705A	705B	705C	705D	705E	710A	710B	710C	710D	710E	710F	710G	710H	
Volume	L	210				504				1000									
Inner Depth	mm	500				700				1000									
Inner Width	mm	600				800				1000									
Inner Height	mm	700				900				1000									
Outer Depth	mm	1850	2330			2440		2570			2740	2910	3100						
Outer Width	mm	800				1000				1200									
Outer Height	mm	1730				1930				2050									
Temperature Performance Parameters																			
Temperature Range	℃	-70~+150																	
Temperature Change Rate Range	℃	-55~+85																	
Average Temperature Change Rate	℃/min	5	5	10	15	5	5	10	15	15	5	5	10	10	10	15	15	15	
Temperature Change Linear Rate	℃/min	3	3	5	10	3	3	5	10	10	3	3	5	5	5	10	10	10	
Load (Aluminum ingots)	kg	20	40	20	20	20	40	40	20	50	20	50	40	80	120	50	80	120	
Temperature Fluctuations	℃	≤1																	
Temperature Uniformity	℃	≤2																	
Temperature Deviation	℃	±2																	
Heating Power	kW	5	7.5	12	15	7.5	12	15	21	24	12	15	21	27	30	36	45	54	
Temperature and Humidity Climate Parameters																			
Teamperature Range	℃	20-85																	
Humidity Range	%RH	20-98																	
Temperature Fluctuations	℃	≤1																	
Temperature Uniformity	℃	≤1																	
Temperature Deviation	℃	±2																	
Humidity Deviation	%RH	+2/-3%RH(Humidity>75%RH), ±5%RH(Humidity≤75%RH)																	
Humidification Power	kW	3				4.5													
Power Supply		AC380V 50Hz TN-S																	
Power	S(kW)	12.5	18	32	38	18	27.5	38	50	60.5	27.5	38	50	66.5	74	90	118	128	
	SH(kW)	15.5	21	35	41	22.5	32	42.5	54.5	65	32	42.5	54.5	71	78.5	94.5	122.5	132.5	
Noise	dB(A)	72							75			72			75			78	
Cooling Method		Water-cooled																	
Total Weight	kg	380	400	500	600	1100	1200	1350	1600	1700	1600	1700	1750	1800	1885	1900	2100	2300	

Note: Parameters are subject to change upon request.