

## ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY CLIMATIC TESTING 2000 LITER

Type		ATC 4001-1200	ATC 4005-1200	ATC 4010-1200	ATC 7001-1200	ATC 7005-1200	ATC 7010-1200	ATC 7015-1200
Test space volume	L	2000	2000	2000	2000	2000	2000	2000
<b>Performance for temperature tests</b>								
Temperature Range	°C	-40 ~ +180	-40 ~ +180	-40 ~ +180	-70 ~ +180	-70 ~ +180	-70 ~ +180	-70 ~ +180
Temperature deviation in time 1)	K	± 0.1 to ± 1.0						
Temperature homogeneity in space 2)	K	± 0.5 to ± 1.5						
Temperature rate of change 3)	Heating K/min	2.2	6.8	11.3	4.3	6.8	11.3	16.8
	Cooling K/min	1.1	5.03	9.8	1.1	5.1	10.1	14.7
Heat compensation at +20 °C	W							
Heat compensation at -20 °C	W							
Temperature calibration values		-20 & +70						
<b>Performance for climatic tests</b>								
Temperature range	°C	+10 to +90						
Temperature deviation in time 1)	K	± 0.1 to ± 0.8						
Temperature homogeneity in space , relative to the set value 4)	K	± 0.5 to ± 2.0						
Humidity range	%	20 to 98 (6)						
Humidity deviation in time 1)	%	±1.0 to ±3.0 %						
Climatic calibration values		+25 °C /60% RH & +40 °C / 75% RH						
<b>Work space dimensions</b>		Width mm	950/1500	950/1500	950/1500	950/1500	950/1500	950/1500
		Depth mm	2000/1220	2000/1220	2000/1220	2000/1220	2000/1220	2000/1220
		Height mm	1050/1100	1050/1100	1050/1100	1050/1100	1050/1100	1050/1100
<b>External dimensions</b>		Width mm	1150/1700	1150/1700	1150/1700	1150/1700	1150/1700	1150/1700
		Depth mm	3220/2440	3220/2440	3220/2440	3220/2440	3220/2440	3220/2440
		Height mm	2200/2250	2200/2250	2200/2250	2200/2250	2200/2250	2200/2250
Sound pressure level 5)	db(A)							
Condensing unit		Air cooled	Water cooled	Water cooled	Air cooled	Water cooled	Water cooled	Water cooled
Electrical connection		380 VAC	380 VAC	380 VAC	380 VAC	380 VAC	380 VAC	380 VAC
Rated power	kW	3.1	7.3	14.5	6	14.2	27.8	34.9

Performance values refer to +25 °C ambient temperature .

1) Measured in the middle of test space.

2) Relative to the set value in temperature range from t min to +80 °C

3) In accordance with IEC 60068-3-5

4) With humidity values > 20% RH

5) Measured in 1 m distance from the front and in 1.6 m height at free field measurement according to EN ISO 11201 .

6) If you prepared Dehumidifier attach system then humidity range can be down less than 5%