

ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY CLIMATIC TESTING 400 LITE

Type		ATC 4002-400	ATC 4005-400	ATC 4010-400	ATC 7002-400	ATC 7005-400	ATC 7010-400
Test space volume	L	400	400	400	400	400	400
Performance for temperature tests							
Temperature Range	°C	-40 ~ +155	-40 ~ +155	-40 ~ +155	-70 ~ +155	-70 ~ +155	-70 ~ +155
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	4.1	6.2	11.1	4.3	6.4	12.9
	Cooling K/min	2.1	5.12	10.3	2.1	5.1	10.1
Heat compensation at +20 °C	W	15000					
Heat compensation at -20 °C	W	3580					
Temperature calibration values		-20 & +70					
Performance for climatic tests							
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					
Work space dimensions		Width mm	600	600	600	600	600
		Depth mm	1150	1150	1150	1150	1150
		Height mm	600	600	600	600	600
External dimensions		Width mm	800	800	800	800	800
		Depth mm	2160	2160	2300	2160	2300
		Height mm	1745	1745	1745	1745	1745
Sound pressure level 5)	db(A)	<64	<67	<64	<64	<67	<67
Condensing unit		Air cooled	Air cooled	Water cooled	Air cooled	Air cooled	Water cooled
Electrical connection		380 VAC	380 VAC	380 VAC	380 VAC	380 VAC	380 VAC
Rated power	kW	2.6	3.1	6.1	5.2	6.5	27.1

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%

IR

ATC 7015-400

400

-70 ~ +155

16.8

15.3

600

1150

600

800

2300

1745

<69

Water cooled

380 VAC

29