

## ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY TEMPRATURE TESTING 400 LITER

Type		AT 4002-400	AT 4005-400	AT 4010-400	AT 7002-400	AT 7005-400	AT 7010-400	AT 7015-400
Test space volume	L	400	400	400	400	400	400	400
<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	4.1	6.2	11.1	4.3	6.4	12.9	16.8
	Cooling K/min	2.1	5.12	10.3	2.1	5.1	10.1	15.3
Heat compensation at +20 °C	W	15000						
Heat compensation at -20 °C	W	3580						
Temperature calibration values		-20 & +70						
<b>Performance for climatic tests</b>								
Temperature range	°C	XXXXXXXXXXXX						
Temperature deviation in time 1)	K	XXXXXXXXXXXX						
Temperature homogeneity in space , relative to the set value 4)	K	XXXXXXXXXXXX						
Humidity range	%	XXXXXXXXXXXX						
Humidity deviation in time 1)	%	XXXXXXXXXXXX						
Climatic calibration values		XXXXXXXXXXXX						
<b>Work space dimensions</b>	Width mm	600	600	600	600	600	600	600
	Depth mm	1150	1150	1150	1150	1150	1150	1150
	Height mm	600	600	600	600	600	600	600
<b>External dimensions</b>	Width mm	800	800	800	800	800	800	800
	Depth mm	2160	2160	2300	2160	2160	2300	2300
	Height mm	1745	1745	1745	1745	1745	1745	1745
Sound pressure level 5)	db(A)	<64	<67	<64	<64	<67	<67	<69
Condensing unit		Air cooled	Air cooled	Water cooled	Air cooled	Air cooled	Water cooled	Water cooled
Electrical connection		380 VAC	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	29

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%