

ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY CLIMATIC TESTING 250 LITER

Type		ATC 4002-250	ATC 4004-250	ATC 4005-250	ATC 4010-250	ATC 7002-250	ATC 7005-250	ATC 7010-250	ATC 7015-250
Test space volume	L	250	250	250	250	250	250	250	250
Performance for temperature tests									
Temperature Range	°C	-40 ~ +155	-40 ~ +155	-40 ~ +155	-40 ~ +155	-70 ~ +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	4.1	6.2	11.1	4.3	6.2	11.9	16.4
	Cooling K/min	2.6	4.15	5.39	10.3	2.2	5.29	10.4	15.3
Heat compensation at +20 °C	W								
Heat compensation at -20 °C	W								
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	600	600	600
	Depth mm	700	700	700	700	700	700	700	700
	Height mm	600	600	600	600	600	600	600	600
External dimensions	Width mm	800	800	800	800	800	800	800	800
	Depth mm	1710	1710	1710	2300	1710	1710	2300	2300
	Height mm	1745	1745	1745	1745	1745	1745	1745	1745
Sound pressure level 5)	db(A)	<61	<68	<68	<67	<63	<64	<70	<72
Condensing unit		Air cooled	Air cooled	Air cooled	Water cooled	Air cooled	Air cooled	Water cooled	Water cooled
Electrical connection		220 VAC	380 VAC	380 VAC	380 VAC	220 VAC	380 VAC	380 VAC	380 VAC
Rated power	kW	2.3	3.1	3.1	6.6	4.1	5.7	12.9	17.1

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%

COMPRESSOR	COMPRESSOR	COMPRESSOR	COMPRESSOR	COMPRESSOR	COMPRESSOR	COMPRESSOR
TAJ2464 HEATER	DLF 201 HEATER	4FES-3 HEATER	2*TAJ2464 HEATER	2*DLF 201 HEATER	2*4FES-3 HEATER	2*4DES-5 HEATER