

ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY TEMP

Type		AT 4001-5100	AT 4002-5100	AT 4003-5100
Test space volume	L	5100	5100	5100
Performance for temperature tests				
Temperature Range	°C	-40 ~ +155	-40 ~ +155	-40 ~ +155
Temperature deviation in time 1)	K			± 0.1 t
Temperature homogeneity in space 2)	K			± 0.5 t
Temperature rate of change 3)	Heating K/min	1.4	2.3	3.4
	Cooling K/min	0.9	1.9	3
Heat compensation at +20 °C	W			
Heat compensation at -20 °C	W			
Temperature calibration values				-20 &
Performance for climatic tests				
Temperature range	°C			+10 t
Temperature deviation in time 1)	K			± 0.1 t
Temperature homogeneity in space , relative to the set value 4)	K			± 0.5 t
Humidity range	%			20 to 9
Humidity deviation in time 1)	%			±1.0 to
Climatic calibration values				+25 °C /60% RH &
Work space dimensions	Width mm	1650/1500	1650/1500	1650/1500
	Depth mm	1650/2000	1650/2000	1650/2000
	Height mm	1800/1700	1800/1700	1800/1700
External dimensions	Width mm	1850/1700	1850/1700	1850/1700
	Depth mm	3550/390	3550/390	3550/390
	Height mm	2460/2360	2460/2360	2460/2360
Sound pressure level 5)	db(A)			
Condensing unit		Water cooled	Water cooled	Water cooled
Electrical connection		380 VAC	380 VAC	380 VAC
Rated power	kW			

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

COMPRESSOR	COMPRESSOR	COMPRESSOR
DLF 201	DLSG 401	4TES 9
HEATER	HEATER	HEATER

TEMPERATURE TESTING 5100 LITER

AT 7001-5100	AT 7002-5100	AT 7003-5100
5100	5100	5100
-70 ~ +155	-70 ~ +155	-70 ~ +155

± 1.0

± 1.5

1.4	2.3	3.4
0.9	1.9	2.8

± 70

± 90

± 0.8

± 2.0

± 3.0 %

± 3.0 %

± 40 °C / 75% RH

1650/1500	1650/1500	1650/1500
1650/2000	1650/2000	1650/2000
1800/1700	1800/1700	1800/1700
1850/1700	1850/1700	1850/1700
3550/390	3550/390	3550/390
2460/2360	2460/2360	2460/2360
Air cooled 380 VAC	Air cooled 380 VAC	Water cooled 380 VAC

EN ISO 11201 .

COMPRESSOR 2*DLF 201 HEATER	COMPRESSOR 2*DLSG 401 HEATER	COMPRESSOR 2*4TES 9 HEATER
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