

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%