

**ARYA SARMAYESH KNOWLEDGE BASE CO MEDUME SERIES ONLY CLIMATIC TESTING 1000 LITER**

| Type  |               | AT 4001-1000                     | ATC 4005-1000 | ATC 4010-1000 | ATC 7001-1000 | ATC 7005-1000 | ATC 7010-1000 | ATC 7015-1000 |  |
|---|---------------|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| Test space volume   | L             | 1037                             | 1037          | 1037          | 1037          | 1037          | 1037          | 1037          |  |
| <b>Performance for temperature tests</b>                        |               |                                  |               |               |               |               |               |               |  |
| Temperature Range   | °C            | -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 ± 2.1                   |               |               |               |               |               |               |  |
| Temperature rate of change 3)                                   | Heating K/min | 3.2                              | 6.8           | 12.3          | 4.3           | 6.8           | 12.9          | 16.8          |  |
|   | Cooling K/min | 1.1                              | 5.12          | 9.8           | 1.1           | 5.1           | 10.1          | 15.3          |  |
| Heat compensation at +20 °C                                     | W             |                                  |               |               |               |               | 8000          |               |  |
| Heat compensation at -20 °C                                     | W             |                                  |               |               |               |               | 4808          |               |  |
| Temperature calibration values                                  |               | -20 & +70                        |               |               |               |               |               |               |  |
| <b>Performance for climatic tests</b>                           |               |                                  |               |               |               |               |               |               |  |
| 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 |               |               |               |               |               |               |  |
| <b>Work space dimensions</b>                                    | Width mm      | 950                              | 950           | 950           | 950           | 950           | 950           | 950           |  |
|   | Depth mm      | 950                              | 950           | 950           | 950           | 950           | 950           | 950           |  |
|   | Height mm     | 1150                             | 1150          | 1150          | 1150          | 1150          | 1150          | 1150          |  |
| <b>External dimensions</b>                                      | Width mm      | 1150                             | 1150          | 1150          | 1150          | 1150          | 1150          | 1150          |  |
|   | Depth mm      | 2320                             | 2320          | 2320          | 2320          | 2320          | 2320          | 2320          |  |
|   | Height mm     | 210                              | 210           | 210           | 210           | 210           | 210           | 210           |  |
| Sound pressure level 5)   | db(A)         |                                  |               |               |               |               |               |               |  |
| Condensing unit   |               | Air cooled                       | Water cooled  | Water cooled  | Air cooled    | Water cooled  | Water cooled  | Water cooled  |  |
| Electrical connection   |               | 380 VAC                          | 380 VAC       | 380 VAC       | 380 VAC       | 380 VAC       | 380 VAC       | 380 VAC       |  |
| Rated power   | kW            | 3.3                              | 7.5           | 14.8          | 6.2           | 14.5          | 28.1          | 35.1          |  |

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%