



# Temperature Test Chambers LabEvent C 210



## Testing and dehumidifying a lot? No problem.

When testing your products, you have to comply with numerous standards and carry out long-term tests. This is exactly what LabEvent is designed for.

### The optimal solution.

You now have the option to test both constant climates and selected alternating climates. In a reproducible, certified and accelerated manner. The LabEvent C 210 offers you a safe solution to meet any special requirements with two dehumidification options: using either dry air or a dehumidification cooler.

Play it dry when testing - we will support you!

### Our highlights:

- One device, two types of dehumidification
- Smallest footprint in its class
- Optimised test space for 19-inch sub-racks
- Plug&Play thanks to 230-volt connection

# Convincing technology. Reliable results.

| LabEvent C 210 with climate option                |       |                   |                   |                   |
|---|-------|-------------------|-------------------|-------------------|
| Type  |       | C/210/40/3        | C/210/70/3        | C/210/70/5        |
| Test space volume                                 | l     | 200               | 200               | 200               |
| Test space dimensions, H x W x D                  | mm    | 630 x 560 x 570   | 630 x 560 x 570   | 630 x 560 x 570   |
| Exterior dimensions, H x W x D <sup>1</sup>       | mm    | 1640 x 850 x 1250 | 1640 x 850 x 1250 | 1640 x 850 x 1250 |
| Temperature range <sup>2</sup>                    | °C    | -40 to +180       | -70 to +180       | -70 to +180       |
| Temperature deviation speed, heating <sup>3</sup> | K/min | 2.5               | 2.5               | 10.0              |
| Temperature deviation speed, cooling <sup>3</sup> | K/min | 3.1               | 2.5               | 5.0               |
| Temperature deviation, in time <sup>4</sup>       | K     | ±0.2 to ±0.5      | ±0.2 to ±0.5      | ±0.3 to ±1.0      |
| Dewpoint temperature range                        | °C    | +6 to +86         | +6 to +86         | +6 to +86         |
| Humidity range                                    | % RH  | 10 to 98          | 10 to 98          | 10 to 98          |
| Temperature range for climatic test <sup>5</sup>  | °C    | 20 to 90          | 20 to 90          | 20 to 90          |
| Humidity constancy, in time <sup>6</sup>          | % RH  | ±1 to ±4          | ±1 to ±4          | ±1 to ±4          |
| Nominal power                                     | kW    | 1.5               | 1.8               | 4.7               |
| Weight  | kg    | 325               | 355               | 380               |
| Sound pressure level                              | dB(A) | 53                | 56                | 65                |
| Supply voltage                                    | V     | 230               | 230               | 400               |

<sup>1</sup>The required clearances can be reduced by dismantling components.

<sup>2</sup>Temperatures >+5 °C can be run in continuous operation, temperatures <+5 °C can be run intermittently or with the additional compressed air dryer equipment.

<sup>3</sup>According to IEC 60068-3-5; average, measured in the supply air.

<sup>4</sup>In the middle of the test space in steady state, without test material, without irradiation and without additional equipment, depending on the temperature.

<sup>5</sup>Discontinuous operation (+4 to -3 °C).

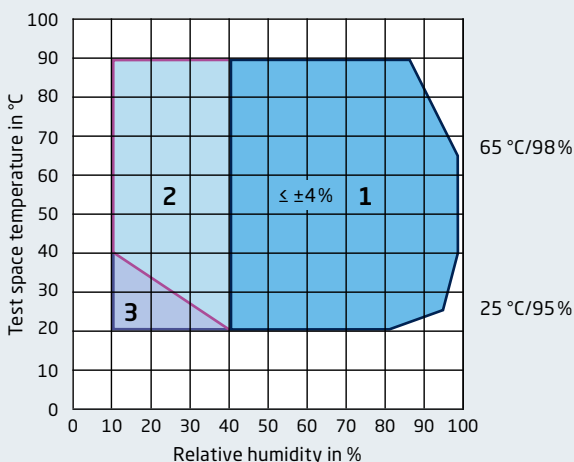
<sup>6</sup>In the middle of the test space and in steady state, depending on climate value.

All mentioned performance data refer to an ambient temperature of +25 °C and a cooling water temperature of +18 °C.

The product requires fluorinated gases to function. It contains refrigerant R449A and R23 for models C/210/70/3 and C/210/70/5.

We reserve the right to make any technical changes without prior notice.

## Climate diagram with two types of dehumidification



<sup>1</sup>With dehumidification cooling (without compressed air). <sup>2</sup>With compressed air dehumidification. <sup>3</sup>With compressed air dryer.

## The advantages for you:

- Meets constant climate standards
- Compliant to climate change standard IEC 60068-2-30 test Db, var. 2
- Humidity range up to 98 % with smallest footprint
- High-precision control
- Energy-saving thanks to standardised compressed air connection
- Flexible dehumidification via compressed air or dehumidification cooler

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