



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.

Test it on the dry side - 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, HxWxD	mm	630x560x570	630x560x570	630x560x570
Exterior dimensions, HxWxD ¹	mm	1640x850x1250	1640x850x1250	1640x850x1250
Temperature range ²	°C	-40 to +180	-70 to +180	-70 to +180
Temperature change rate, heating ³	K/min	2.5	2.5	10.0
Temperature change rate, cooling ³	K/min	3.1	2.5	5.0
Temperature constancy, in time ⁴	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 ⁵	°C	20 to 90	20 to 90	20 to 90
Humidity constancy, in time ⁶	% 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

¹The required clearances can be reduced by dismantling components.

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

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

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

⁵Discontinuous operation (+4 to -3 °C).

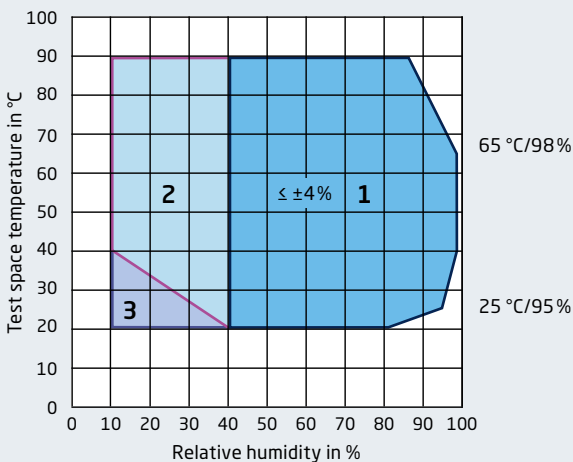
⁶In the middle of the test space and in steady state, depending on climate value.

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



¹With dehumidification cooling (without compressed air). ²With compressed air dehumidification. ³With 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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