

C/3600/50/4/W

ClimeEvent XXL-W

The ClimeEvent C/3600/50/4/W stands for high-performance climatic testing technology aligned with the demands of modern testing processes. Thanks to the modular design, sustainable cooling technology and a range of options, it can be adapted precisely to individual testing requirements. With a temperature range of -50 °C bis +180 °C and a test chamber volume of 3600 liters, the extra-wide test chamber is the ideal partner for large test specimens in cold, heat and temperature change testing.

Applications:

Ideal for demanding climatic tests in development and quality assurance in various industries such as automotive, electronics, battery, aerospace and medical technology.

Our highlights:

¬ Maximum test chamber width

¬ High performance even with large volumes

¬ Also with new climate-friendly refrigerant R744

¬ Reliable precision across the entire working range

¬ Robust industrial quality for continuous operation

¬ Future-proof solution with expert service support

Technical Data.

C/3600/50/4/W	
CLIMATE TEST PERFORMANCE DATA	
Maximum heat compensation at 25 °C to 90 °C [W]	500
GENERAL DATA	
Temperature Change rate, heating (air-cooled) [K/min]	1
Temperature Change rate, cooling (air-cooled) [K/min]	1
TEMPERATURE TEST PERFORMANCE DATA	
Temperature range [°C]	-50 ... 180
Temperature homogeneity, spatially [K]	0.5 ... 2
Temperature deviation in time [K]	0.3 ... 1
Max. Heat Compensation at 20 °C (water-cooled) [W]	5000
Max. Heat Compensation at -20 °C (water-cooled) [W]	5000
CLIMATE TEST PERFORMANCE DATA	
Humidity range [% R.H.]	10 ... 95
Humidity sensor	Capacitive humidity sensor
Dew point temperature range [°C]	5 ... 85
Temperature range for climate testing [°C]	10 ... 90
Humidity deviation over time	3 ... 5
Temperature deviation in time [K]	0.1 ... 0.5
Temperature homogeneity, spatially [K]	1 ... 1.5
CONSUMPTION AND CONNECTION DATA	
Voltage Rating	3/N/PE AC 400 V ±10 % 50 Hz
Connection cable length	3,5m cable
Power Rating [kW]	24
Current Rating [A]	41
Cooling (air-cooled/water-cooled)	- / ✓

Weiss Technik GmbH
info@weiss-technik.com
weiss-technik.com

Refrigerant	R744
TEST SPACE	
Testspace volume [l]	3597
Test Space Dimensions (H x W x D) [mm]	1510 x 1985 x 1200
EXTERNAL HOUSING	
External Dimensions (HxWxD) [mm]	2165 x 3985 x 1560
Material external housing	Galvanised sheet steel
Finish of the external housing	Grey-white (RAL 9002); solvent-free; powder-coated
Base	Adjustable and vibration-absorbing levelling feet
Access port left	1 piece, approx. ø 125 mm stainless steel incl. closed silicone plug + slotted foam silicone plug
DIMENSIONS & WEIGHT	
Total Weight [kg]	1700
Total load [kg]	400
Floor Loading [kg]	250
OPERATING AND AMBIENT CONDITIONS	
Sound Pressure Level [dB(A)]	70
CONTROL, OPERATION & INTERFACES	
Temperature sensor	Platinum temperature sensor Pt 100
S!MPAC	Digital measurement and control system with I/O unit and WEBSeason® control software, remotely controllable via network integration
Switching inputs	4 digital inputs for feedback from customer equipment. Load max. 24 V-DC and approx. 30 mA
Switching outputs	4 digital outputs for control of customer-provided devices by means of potential-free contacts, max. load 24 V-DC, 0,5 A
Webpanel	10“ (25.4 cm) Webpanel

Weiss Technik GmbH
info@weiss-technik.com
weiss-technik.com

INTERNAL FITTINGS	
Total load per insert basket [kg]	75
Total load of the insert baskets [kg]	150
Maximum number of insert baskets [pcs]	2

Weiss Technik GmbH
info@weiss-technik.com
weiss-technik.com

Selection of relevant options

Label	Description

Weiss Technik GmbH
info@weiss-technik.com
weiss-technik.com