



miniClima Data EBC

Figures

	EBC10	EBC11	EBC12
Recommended max. volume of the case (per connected EBC) ¹	3m ³	5m ³	10m ³
Exemplarily achievable min. dehumidification capacity at ambient conditions of 25°C, 50%RH ^{1,2}	4,0g/h	6,0g/h	7,0g/h
Exemplarily achievable min. humidification capacity at ambient conditions of 25°C, 50%RH ^{1,2}	4,0g/h	6,0g/h	7,0g/h
Exemplarily achievable setpoint range at ambient conditions of 22°C, 50%RH ^{1,3}	30-75%RH		
Theoretical (adjustable) setpoint range	15-85%RH		
Permissible highest value for the rel. humidity inside the case (the EBC issues a signal error if beyond)	94%RH		
Permissible lowest value for the rel. humidity inside the case (the EBC issues a signal error if beyond)	6%RH		
Airflow at the air inlet of the case ^{1,4}	2,00m/s	2,30m/s	3,00m/s
Permissible ambient conditions for operation and storage of an EBC ⁵	5-35°C, 15-80%RH, non-condensing		
Permissible ambient conditions for the storage of the RH/T sensor	10-50°C, 20-60%RH, non-condensing		
Tolerance ^{1,6}	typically achievable +/-2%RH, max. +/-3%RH		
- at a setpoint of 30%RH	typically achievable +/-3%RH, max. +/-5%RH		
- at a setpoint of 75%RH			
Mains connection ⁷	100-240VAC, 50-60Hz		
System voltage	12VDC		
Power consumption	max. 100W		max. 200W
Weight (device without accessories, bottle, hosepipes or cables etc)	6,6kg		8,8kg
Max. noise emission ^{1,8}	- free-standing, measured from 1m		
	48,1dB(A)		50dB(A)
	- built-in ⁹ , measured from 1m		
	37,0dB(A)		38dB(A)
Housing material and colour	coated steel sheet (1.5mm), pigeon-blue (RAL5014)		

Dimensions

With 0.5l bottle		With 2.0l bottle	
EBC10			
<i>Width (mm)</i>			
EBC	378,50	378,50	EBC
Required space with bottle on the front	428,50	428,50	Required space with bottle on the front
Required space with bottle on the left	511,50	543,50	Required space with bottle on the left
<i>Height (mm)</i>			
EBC	133,50	133,50	EBC
Required space	183,50	220,00	Required space
<i>Depth (mm)</i>			
EBC (includ. hosepipe connectors & screws)	233,00	233,00	EBC (includ. hosepipe connectors & screws)
Required space with bottle on the left	339,00	339,00	Required space with bottle on the left
Required space with bottle on the front	393,00	425,00	Required space with bottle on the front
EBC11 (where different from EBC10)			
<i>Depth (mm)</i>			
EBC (includ. hosepipe connectors & screws)	238,00	238,00	EBC (includ. hosepipe connectors & screws)
Required space with bottle on the left	364,00	364,00	Required space with bottle on the left
Required space with bottle on the front	418,00	450,00	Required space with bottle on the front
EBC12			
<i>Width (mm)</i>			
EBC	482,00	482,00	EBC
Required space	582,00	582,00	Required space
<i>Height (mm)</i>			
EBC	138,00	138,00	EBC
Required space	188,00	220,00	Required space
<i>Depth (mm)</i>			
EBC (includ. hosepipe connectors & screws)	238,00	238,00	EBC (includ. hosepipe connectors & screws)
Required space	448,00	480,00	Required space

- ¹ Approximately.
- ² Condensed/evaporated water in grammes per hour. Used build up for the tests: EBCs with respective standard accessories and standard lengths for the hosepipes.
- ³ The actual setpoint range in a given specific situation can be both bigger and smaller, as it depends on a variety of further variables - additionally to the ambient conditions (such as the kind of materials stored in the case or the quality of the case sealing etc).
- ⁴ At typical installations using the hosepipe lengths that are usually delivered (3m/5m/6m) and without any other accessories that may have an impact on the airflow, like air filters FLT.
- ⁵ Applies to the conditions generally obligatory for operation or damage-free storage, but not to the conditions were the full capacity with respect to the achievable setpoint range is given.
- ⁶ The tolerance rises with the chosen setpoint.
- ⁷ Has to be fuse-protected and earthed.
- ⁸ Disregarding the noise during the pump processes (sporadic occurrences). The values were measured on units with standard fans and during the dehumidification process (increased noise emission through the work of the cooling air fan(s)). The units remain almost noiseless when humidifying (except device cooling becomes necessary) or once the setpoint has been reached.
- ⁹ In the plinth of a wooden showcase with air slots, without sound insulation.

Applies analogously to the individual products of series EBC10/11/12 (Rev.3). As of 24.11.2014. Subject to modification.