



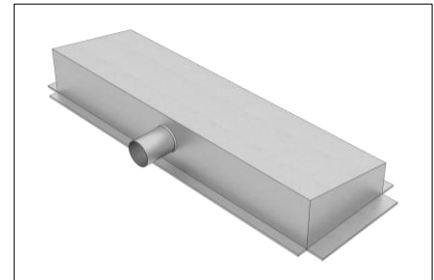
## AirBox S

### Supply air elements

#### Product description

AirBox S supply air elements are suitable for the concealed installation in Lindner LMD metal ceiling systems and Plafotherm® heated/chilled ceiling systems. Being installed on the rear side, they provide for pleasant fresh air and air distribution in a room.

- AirBox S80
- AirBox S135
- AirBox S160



#### Project solutions

This product data sheet refers to the standard version of the product mentioned above. We would be happy to work with you to find the right solution for your project. Adapted to your building project, you will receive a perfectly matched system. Project-specific constructions and adaptations can be found in the offer documents.

#### Technical data

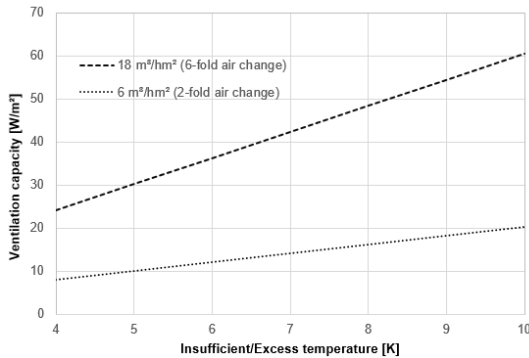
	AirBox S80	AirBox S135	AirBox S160
			
Length	700 mm	700 mm	900 mm
Width	350 mm	350 mm	450 mm
Height	150 mm	175 mm	150 mm
Weight	approx. 4 kg	approx. 4 kg	approx. 7 kg
Connection	DN 100	DN 125	2 x DN 100
Volume flow rate	80 m³/h	135 m³/h	160 m³/h
Sound pressure level	22 dBA	22 dBA	22 dBA



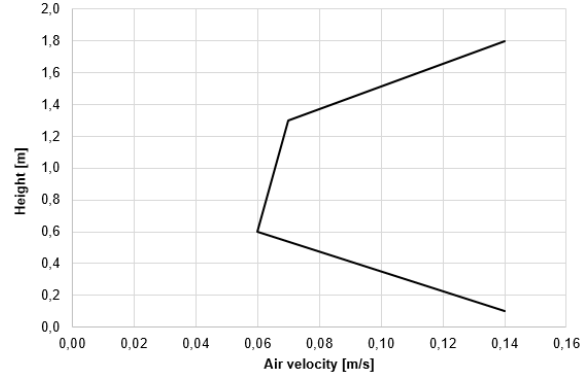
## HVAC

### Ventilation

#### Ventilation heating/cooling capacity

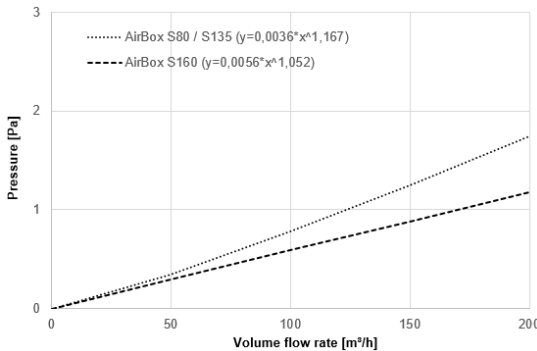


#### Flow velocity



The air velocity is measured underneath the AirBox at a ground clearance of 0.10 m, 0.60 m, 1.3 m, 1.8 m and the parameters 90 m³/h at 8K insufficient temperature.

#### Pressure



Notice: The absolute humidity of the supply air must be selected in such a way that the dew point on the chilled ceiling is not undershot. If the supply air is too humid, condensation can occur on the chilled ceiling, which can lead to moisture problems and damage. By controlling the absolute humidity of the supply air, the dew point can be kept at an acceptable level to prevent condensation and ensure a comfortable indoor climate.

### Combinable with

Metal ceilings	<a href="#">LMD-B 100</a> <a href="#">LMD-B 110</a> <a href="#">LMD-E 200</a> <a href="#">LMD-E 213</a>	<a href="#">LMD-E 214</a> <a href="#">LMD-E 312</a> <a href="#">LMD-DS 320</a>
Heated and chilled ceilings	<a href="#">Plafotherm® B 100</a> <a href="#">Plafotherm® B 110</a> <a href="#">Plafotherm® E 200</a> <a href="#">Plafotherm® E 213</a> <a href="#">Plafotherm® E 214</a>	<a href="#">Plafotherm® E 312</a> <a href="#">Plafotherm® DS 320</a> <a href="#">Plafotherm® St 213</a> <a href="#">Plafotherm® B/E AirHybrid</a> <a href="#">Plafotherm® DS AirHybrid</a>

### Prerequisite

Panel length	800 - 1,500 mm
Panel width	450 - 1,000 mm
Perforation	e. g. REGULARline Rd 1,6-25, REGULARline Rv 1,8-20, BASICline Rv 3,0-20 (min. 13 % open area)



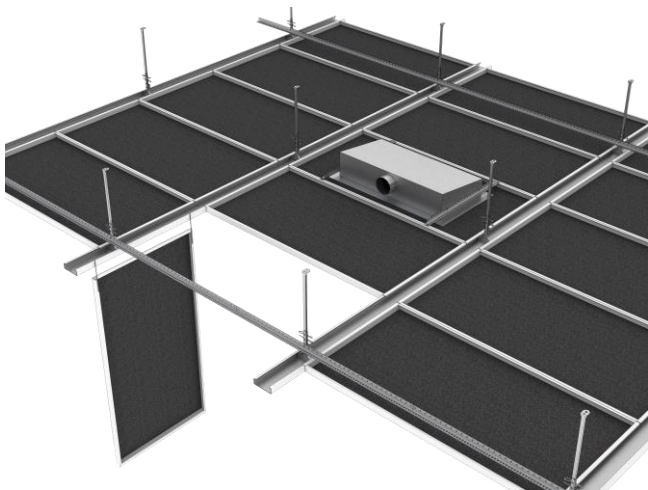
## Durability

Exposure class	DIN EN 13964	A
----------------	--------------	---

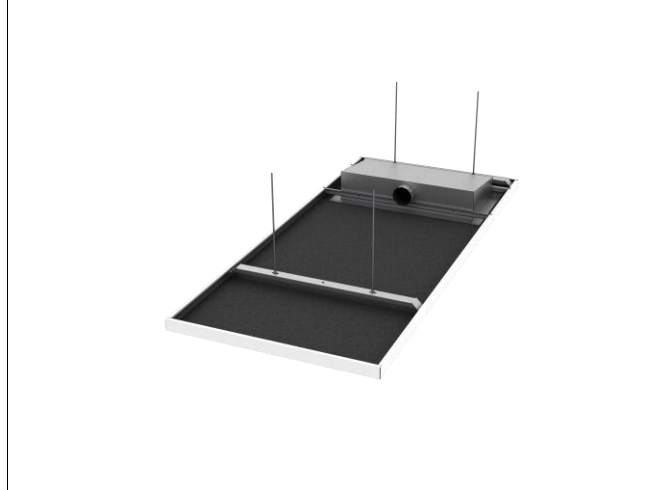
## Sustainability

Product self-declaration	A self-declaration according to ISO 14021 is available. The self-declaration provides extensive information about all environmental effects of the product. It can be used in the planning or tender phase to assess all sustainability-relevant aspects. It serves as a data basis for building certification systems such as LEED, DGNB and BREEAM.	
EPD (Environmental Product Declaration)	A specific EPD according to the valid standards can be provided. (EN 15804/ ISO 14025)	
Circular Economy	By implementing Circular Economy, we avoid waste, toxic substances and environmental pollution. The aim is to achieve a technical cycle, which ensures the separation and the complete re-use of all materials.	

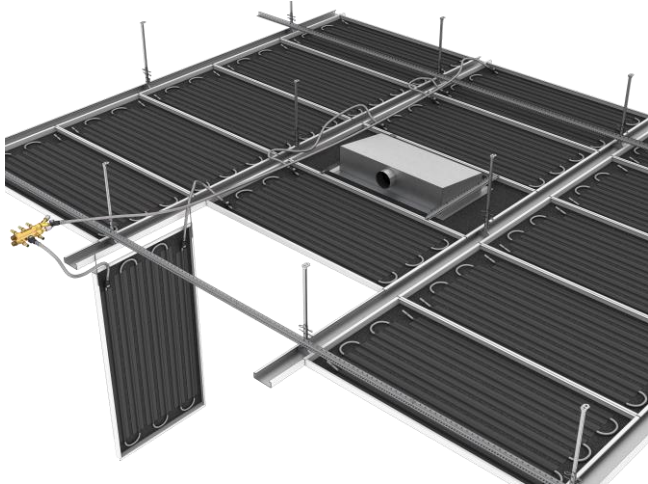
## Applications



AirBox S combined with LMD-B 100



AirBox S combined with LMD-DS 320



AirBox S combined with Plafotherm® B 100



AirBox S combined with Plafotherm® DS 320