

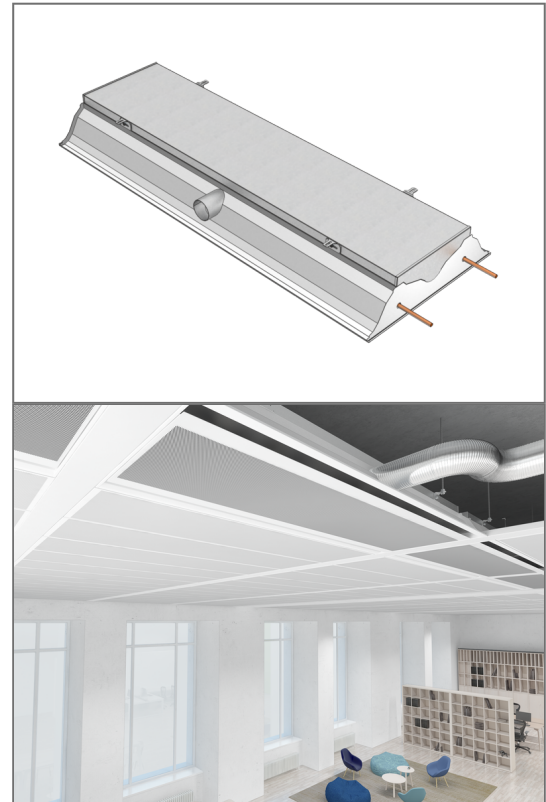


AirBeam Basic

Standard Heated/Chilled Beam

The heated/chilled beam AirBeam is integrated into Plafotherm® heated/chilled ceilings or Lindner LMD metal ceiling systems and can be realised in various designs. AirBeam Basic is a visible heated/chilled beam that is integrated into the ceiling system as a single element with big perforation and wide slots. It is additionally connected to a central air supply machine. Thanks to the targeted air circulation through supply air, high capacities can be achieved with this product.

- single element with big perforation and wide slots
- additional connection to a central air supply machine
- high capacities thanks to room air cooling



Technical details

Length (L)	1,200 - 1,300 mm
Width (B)	600 - 625 mm
Height (H)	185 mm
Weight	25 - 35 kg
Perforation	
Hole shape:	round hole
Hole arrangement:	diagonal pitch
Hole diameter:	6.1 mm
Hole distance:	7.6 mm
Open area:	approx. 50 %
Ventilation connection	DN 100
Flow rate	29 - 97 m ³ /h
Pressure	50 - 100 Pa
Pipe connection on water side	12 mm copper pipe
copper pipe Pressure resistance	16 bar
Inspectability	removable and cleanable acc. VDI 6022



Fire protection

Building material class Manufactured from non-combustible materials

HVAC

Ventilation side pressure	50 Pa
Ventilation side volume flow rate	29 - 68 m ³ /h
Waterside nominal cooling capacity (10 K) according to EN 14240	402 - 541 W/unit
Waterside nominal heating capacity (15 K) according to EN 14037:2003	314 - 422 W/unit
Ventilation side pressure	75 Pa
Ventilation side volume flow rate	40 - 83 m ³ /h
Waterside nominal cooling capacity (10 K) according to EN 14240	485 - 616 W/unit
Waterside nominal heating capacity (15 K) according to EN 14037:2003	378 - 480 W/unit
Ventilation side pressure	100 Pa
Ventilation side volume flow rate	47 - 97 m ³ /h
Waterside nominal cooling capacity (10 K) according to EN 14240	535 - 673 W/unit
Waterside nominal heating capacity (15 K) according to EN 14037:2003	420 - 525 W/unit

Durability

Durability

Exposure class	EN 13964	A
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Combinable Systems

Combinable Systems

Ceilings	<ul style="list-style-type: none"> LMD-B 100 - Linear Post Cap Ceiling LMD-B 110 - Post Cap Ceiling with Cross Noggins LMD-E 200 - Hook-On Ceiling LMD-E 213 - Hook-On Ceiling with Accentuated Joints LMD-E 214 - Hook-On Ceiling with Open Joints LMD-E 312 - Hook-On-Swing-Down-Slide Corridor Ceiling Plafotherm® B 100 - Linear Heated and Chilled Post Cap Ceiling Plafotherm® B 110 - Heated and Chilled Post Cap Ceiling with Cross Noggins Plafotherm® E 200 - Heated and Chilled Hook-On Ceiling Plafotherm® E 213 - Heated and Chilled Hook-On Ceiling with Accentuated Joints Plafotherm® E 214 - Heated and Chilled Hook-On Ceiling with Open Joints Plafotherm® E 312 - Heated and Chilled Hook-On-Swing-Down-Slide Corridor Ceiling Plafotherm® GK HEKDA® - Heated and Chilled Plasterboard Ceiling Plafotherm® B/E AirHybrid - Hybrid Ventilation Element in Metal Ceiling
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Applications

