MIGLIO

BORA F.100

HEAT PUMP CONVECTOR



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DESCRIPTION

BORA F is a floor-mounted heat pump convector, designed for **seamless integration along façades and large glazed surfaces.** With **installation heights of 80, 100, 130 and 190 mm**, the range offers flexible solutions for both new-build and renovation projects.

By positioning the high-performance heat exchanger on the window side, BORA F effectively eliminates cold downdraughts and creates a comfortable air curtain. In heating mode, the cold air layer near the glass is drawn in, warmed and evenly distributed throughout the room. In cooling mode, warm indoor air is recirculated, cooled and returned along the façade, ensuring a balanced and uniform comfort temperature.

Combined with a heat pump, BORA F provides both powerful heating and efficient cooling at very low noise levels. The units can also be equipped with a ventilation connection, enabling an invisible supply of pre-conditioned fresh air.

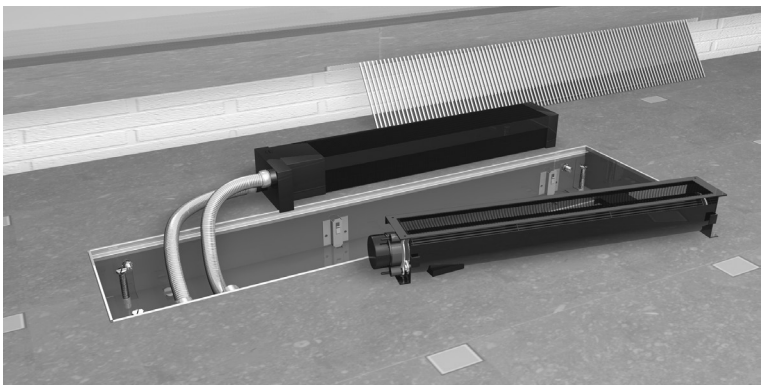
All internal components are coated in dark grey for a discreet appearance, while only the grille remains visible after installation — available in various colours to match any interior.



BORA F.100 front view

FEATURES

- Perfect match with heat pumps for maximum system efficiency
- Compact floor-mounted design with 100 mm installation height
- Available in 2-pipe version only
- G1/2" hydraulic connection and electrical connection always left
- Low-noise tangential fan, suitable for sound-sensitive environments
- Energy-efficient EC motor with 0-10 V stepless speed control, 24 VDC power supply
- Integrated water temperature sensor and room temperature sensor for optimal comfort
- Steel air filter
- Integrated condensate tray for reliable drainage in cooling mode
- High-performance aluminium-copper heat exchanger with black coating for invisible integration and dust-repellent surface
- Stainless steel flexible hoses 1/2" 150 mm for complete removal of the internal mechanism, enabling easy cleaning
- Easy height adjustment for perfect alignment with finished floor:
  - *Height-adjustable base with acoustic decoupling: 0 - 45 mm*
  - *Height adjustment screws*
  - *Fine adjustment: 0 - 8 mm*
- Prepared for continuous installation: visually seamless, with each unit having its own connection under the floor
- Durable electro-galvanised steel casing with premium finish: Graphite Grey RAL 7024, soft-touch powder coating
- Aluminium grille: standard in natural anodised aluminium, other powder-coated colours available on request



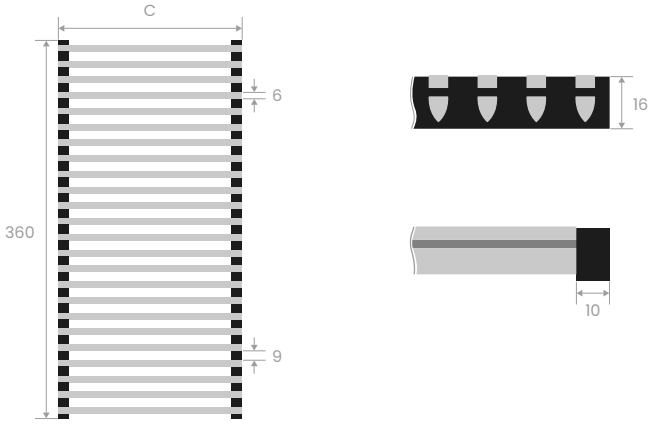
Complete removal of the internal mechanism enabling easy cleaning

ALUMINIUM GRILLES

Aluminium panel grille with aerodynamically shaped transverse profiles and vibration-free EPDM supports (hardness 85).

- Supplied as standard, enabling continuous installation
- Sound-insulating EPDM rubber supports
- Designed for easy maintenance
- Standard in natural anodised aluminium, other powder-coated colours available on request: eco-friendly, scratch-resistant powder coating with high UV resistance

When installed in passageways (e.g. sliding doors), wear and tear on the grille is unavoidable.



Dimensions in mm.

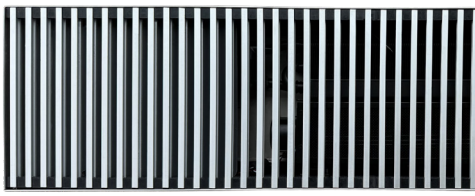


APPLICATIONS

Suitable for compact floor-mounted installation where discreet integration and quiet operation are required.

- Commercial spaces (offices, conference rooms, retail, hospitality)
- Educational buildings (classrooms, training rooms)
- Residential projects (living areas with large glazed façades)

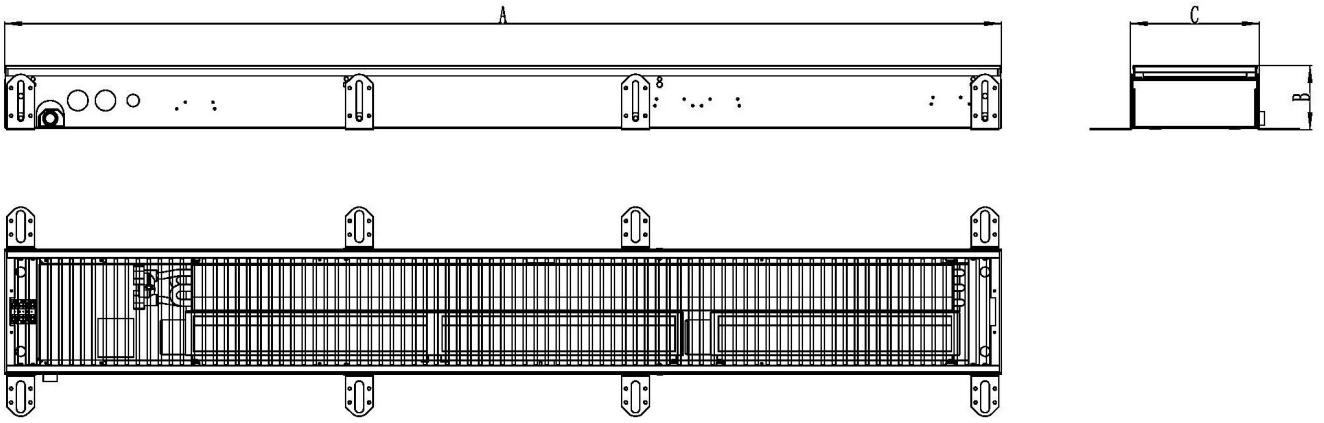




PERFORMANCE OVERVIEW

- Heating capacity (35/30/20 °C): 82 - 1150 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 79 - 965 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 129 - 1793 W
- Sound pressure level: 14.5 - 41.0 dB(A)

DIMENSIONS *(in mm)*



MODEL	A	B	C
BORA F.100.720.180.AG	720	100	180
BORA F.100.1080.180.AG	1080	100	180
BORA F.100.1440.180.AG	1440	100	180
BORA F.100.1800.180.AG	1800	100	180

TECHNICAL DATA

MODEL	CONTROL VOLTAGE	HEATING CAPACITY* 35/30/20 °C	45/40/20 °C	55/45/20 °C	75/65/20 °C	NON-CONDENSING COOLING CAPACITY* 16/18/27 °C, RH 50 %	TOTAL COOLING CAPACITY* 7/12/27 °C, RH 50 %	SENSIBLE COOLING CAPACITY* 7/12/27 °C, RH 50 %	POWER CONSUMPTION	AIRFLOW RATE	SOUND PRESSURE LEVEL**	WEIGHT
-	V	W	W	W	W	W	W	W	W	m³/h	dB(A)	kg
BORA F.100.720.180.AG	3	82	172	209	390	79	129	115	0.6	30	14.5	8.4
	7	159	347	412	789	188	343	264	1.7	60	25.5	
	10	205	457	536	1040	243	418	335	2.9	79	34.0	
BORA F.100.1080.180.AG	3	179	344	440	769	145	226	212	0.9	60	17.0	10.8
	7	338	658	837	1475	346	641	491	3.5	111	30.5	
	10	492	965	1222	2165	495	869	687	7.0	160	37.0	
BORA F.100.1440.180.AG	3	295	548	718	1223	188	308	279	1.5	90	18.0	13.6
	7	581	1084	1415	2419	486	864	708	5.1	171	32.5	
	10	823	1543	2009	3444	719	1319	1034	9.9	239	39.0	
BORA F.100.1800.180.AG	3	407	745	984	1657	247	409	368	1.8	120	20.0	16.4
	7	779	1429	1884	3180	623	1110	910	7.0	221	34.5	
	10	1150	2114	2786	4707	965	1793	1395	13.8	320	41.0	

** According to EN 16430.*

*** According to EN ISO 3741, with an assumed room attenuation of 8 dB(A). This corresponds to a measurement distance of 2 m, a room volume of 100 m³, and a reverberation time of 0.5 s.*

Need help selecting the right model?
Use our dedicated selection software for PC to easily calculate heating capacities and other technical data with just a few clicks!
Installation and usage are explained by one of our technical advisors.
Contact us to request access and support.

MIGLIO SELECTION SOFTWARE

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Since product development is a continuous process, specifications are subject to change without prior notice.