MIGLIO

BORA F.190

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.

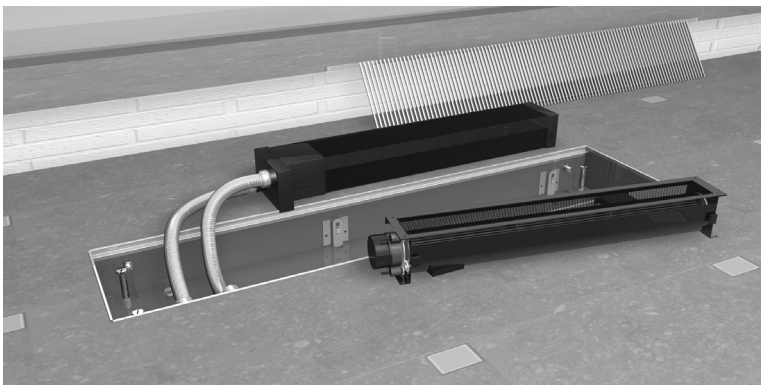
All internal components are coated in dark grey for a discreet appearance, while only the grille remains visible after installation — available in various colours to match any interior.



BORA F.190 front view
Grille shown in bronze finish for illustration purposes – available on request

FEATURES

- Perfect match with heat pumps for maximum system efficiency
- High-capacity floor-mounted design with 190 mm installation height
- Available in 2-pipe or 4-pipe versions
- 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



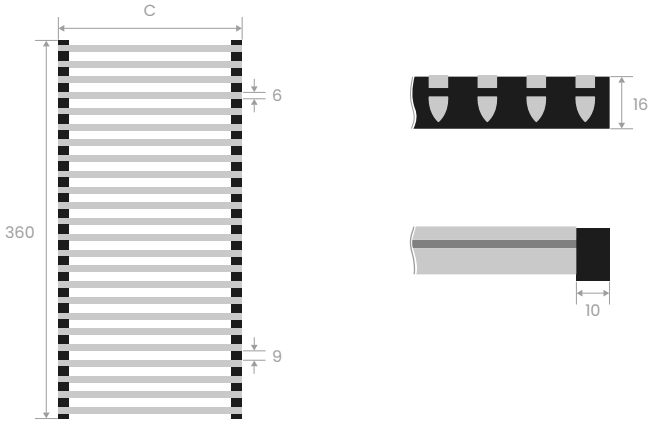
Complete removal of the internal mechanism enabling easy cleaning

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

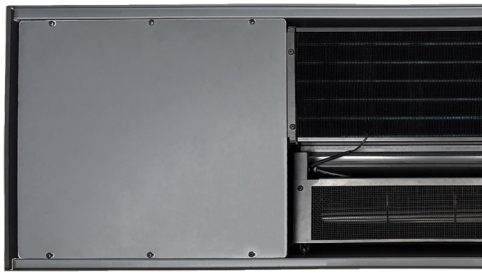
When installed in passageways (e.g. sliding doors), wear and tear on the grille is unavoidable.

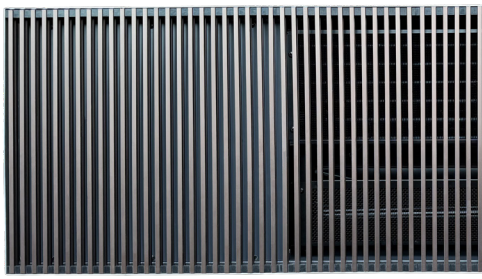


Dimensions in mm.



APPLICATIONS





Suitable for high-capacity applications in large volumes requiring powerful floor-mounted heating and cooling with reliable condensate management.

- Large commercial buildings (corporate offices, shopping centres, logistics halls)
- Public venues (auditoriums, theatres, event halls)
- Industrial facilities (production areas, warehouses)

PERFORMANCE OVERVIEW

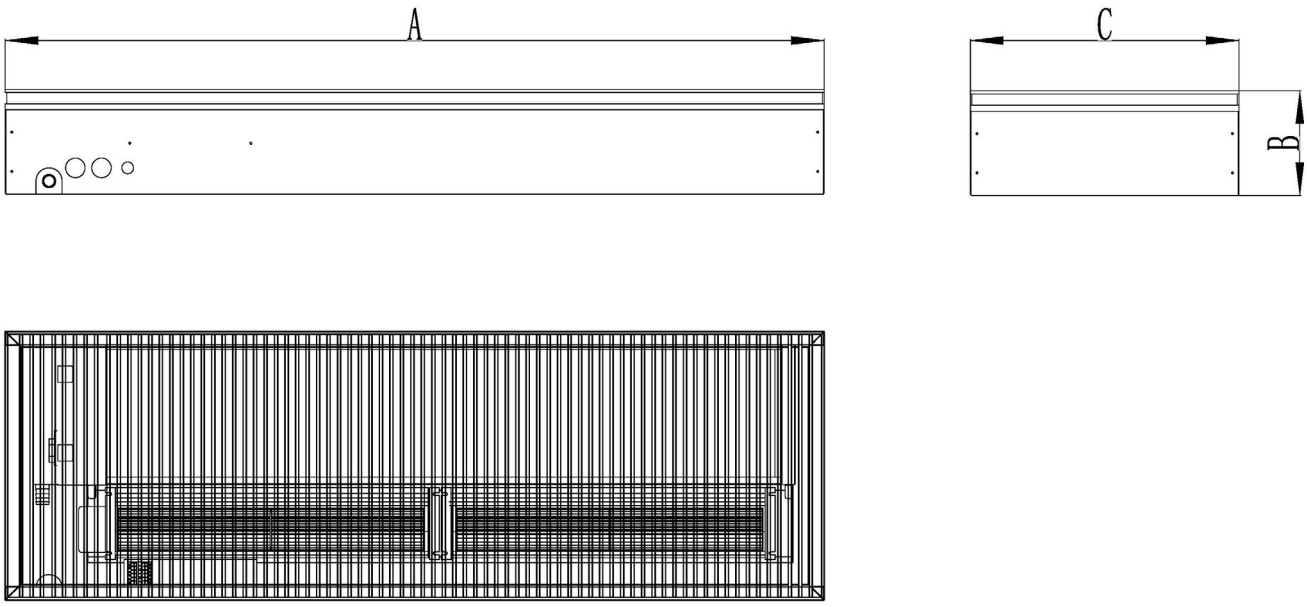
2-PIPE

- Heating capacity (35/30/20 °C): 407 - 2668 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 249 - 2520 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 561 - 5890 W
- Sound pressure level: 19.0 - 45.0 dB(A)

4-PIPE

- Heating capacity (35/30/20 °C): 258 - 1931 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 228 - 2281 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 506 - 5295 W
- Sound pressure level: 19.0 - 45.0 dB(A)

DIMENSIONS *(in mm)*



MODEL*	A	B	C
BORA F.190.1050.340.AG	1050	190	340
BORA F.190.1200.340.AG	1200	190	340
BORA F.190.2000.340.AG	2000	190	340
BORA F.190.2800.340.AG	2800	190	340

** The dimensions of the 4-pipe version are identical to those of the 2-pipe.*

TECHNICAL DATA

2-PIPE

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.190.1050.340.AG	3	407	745	984	1658	249	561	388	2.1	133	19.0	23.1
	7	721	1335	1750	2977	593	1340	929	6.5	275	31.0	
	10	866	1611	2106	3594	786	1779	1232	15.0	350	40.0	
BORA F.190.1200.340.AG	3	474	913	1170	2044	296	692	469	4.6	133	20.5	24.8
	7	835	1683	2095	3791	720	1674	1138	14.9	309	32.0	
	10	974	1989	2456	4487	944	2194	1494	24.0	400	41.0	
BORA F.190.2000.340.AG	3	977	1840	2391	4107	582	1352	918	6.9	265	22.8	36.5
	7	1686	3293	4178	7387	1395	3251	2208	21.7	584	34.5	
	10	1969	3886	4897	8729	1835	4281	2908	38.9	750	43.5	
BORA F.190.2800.340.AG	3	1332	2514	3261	5614	804	1867	1268	8.1	368	24.3	40.2
	7	2279	4453	5649	9989	1911	4460	3028	27.2	796	36.0	
	10	2668	5265	6637	11829	2520	5890	3996	46.8	1020	45.0	

** 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

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.190.1050.340.4P.AG	3	258	484	630	1082	228	506	354	2.1	133	19.0	23.9
	7	464	879	1135	1965	541	1201	843	6.5	275	31.0	
	10	562	1068	1377	2388	718	1592	1118	15.0	350	40.0	
BORA F.190.1200.340.4P.AG	3	329	608	798	1355	277	638	436	4.6	133	20.5	25.6
	7	597	1117	1454	2493	668	1528	1050	14.9	309	32.0	
	10	713	1339	1740	2990	875	1996	1375	24.0	400	41.0	
BORA F.190.2000.340.4P.AG	3	657	1201	1587	2673	538	1254	849	6.9	265	22.8	37.3
	7	1180	2178	2860	4853	1277	2980	2017	21.7	584	34.5	
	10	1414	2618	3432	5836	1676	3912	2649	38.9	750	43.5	
BORA F.190.2800.340.4P.AG	3	868	1595	2101	3552	728	1685	1146	8.1	368	24.3	41.0
	7	1592	2950	3865	6578	1730	4012	2728	27.2	796	36.0	
	10	1931	3588	4692	8002	2281	5295	3602	46.8	1020	45.0	

** 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.*

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