MIGLIO

BORA C.390 | 450 | 500

HEAT PUMP CONVECTOR



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DESCRIPTION

BORA C is a ceiling-mounted heat pump convector, designed specifically for **seamless installation into technical ceilings**.

The **BORA C.200** shares its heat exchanger and fan technology with the BORA CW.200, making it a compact and efficient solution for offices and commercial spaces where ceiling installation is preferred. The **BORA C.255** goes a step further: delivering higher capacity and equipped with stronger fans capable of overcoming up to 50 Pa external static pressure, making large spaces with high ceilings no obstacle.

For truly large volumes, the **BORA C.390 | 450 | 500** provide the answer: designed for ultra-high performance while keeping low-noise operation in mind, this model can handle up to 150 Pa external static pressure — ideal for the largest commercial applications.

Each model is available in a 2-pipe or 4-pipe version, providing flexibility in installation and climate control. Thanks to their intuitive airflow design, the units are able to deliver the required comfort even at low fan speeds, ensuring quiet and efficient operation all year round.

FEATURES

- Perfect match with heat pumps for maximum system efficiency
- Ultra-high performance ceiling-mounted design for very large volumes and demanding applications
- Available in 2-pipe or 4-pipe version
- Flexible connection options for easy installation: standard with hydraulic and electrical connection left, optional alternative configuration
  - *2-pipe: G1" hydraulic connection*
  - *4-pipe: Large heat exchanger: G1" hydraulic connection*
    Small heat exchanger: G3/4" hydraulic connection
- Robust centrifugal fans with twin inlet
- Energy-efficient EC motor with 0-10 V stepless speed control and 3-speed control (Low, Medium, High), 230 VAC power supply, with up to 150 Pa external static pressure capability
- Washable polypropylene-nylon air filter
- Integrated condensate tray for reliable drainage in ceiling installations
- High-performance aluminium-copper heat exchanger with hydrophilic coating for optimal cooling efficiency, equipped with air vent

APPLICATIONS

Suitable for very large volumes and demanding environments requiring high-capacity performance and robust fans to overcome up to 150 Pa external static pressure.

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

PERFORMANCE OVERVIEW

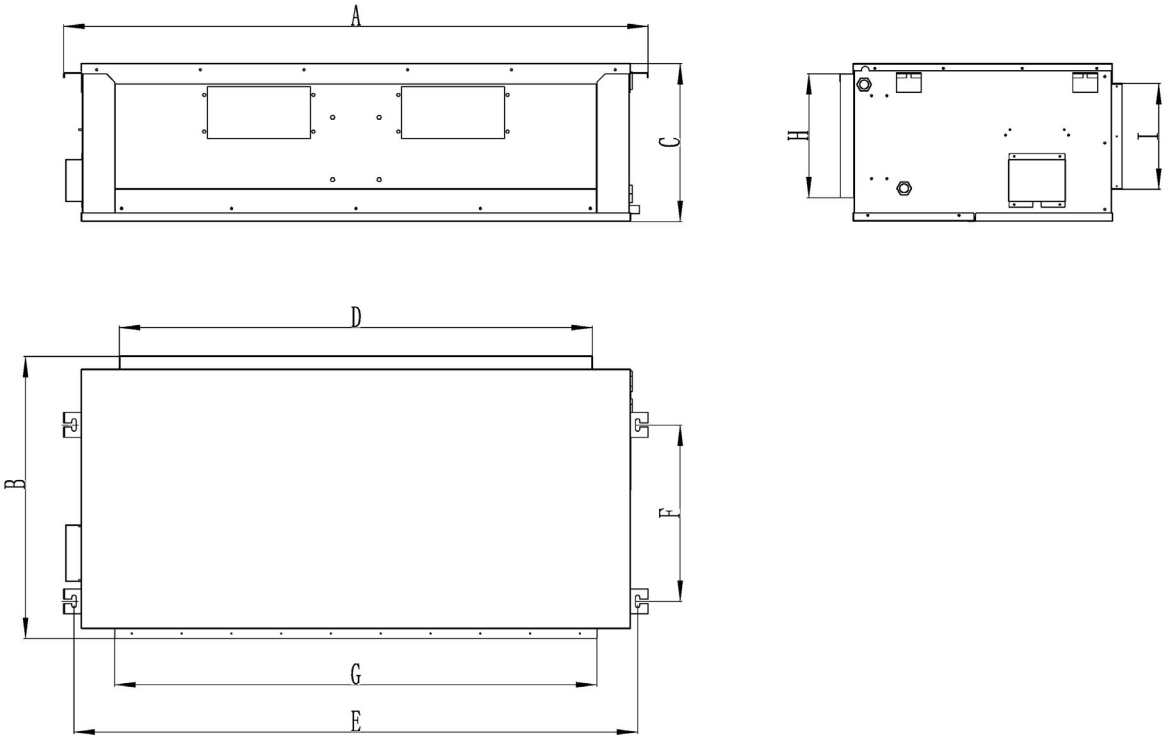
2-PIPE

- Heating capacity (35/30/20 °C): 5415 - 16775 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 4417 - 14110 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 10597 - 32974 W
- Sound pressure level: 55.0 - 73.0 dB(A)

4-PIPE

- Heating capacity (35/30/20 °C): 4097 - 12686 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 4417 - 14110 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 10597 - 32974 W
- Sound pressure level: 55.0 - 73.0 dB(A)

DIMENSIONS *(in mm)*



MODEL*	A	B	C	D	E	F	G	H	I
BORA C.390.140	1450	678	390	1140	1360	425	1000	305	305
BORA C.450.180	1490	678	450	1180	1400	425	1100	365	305
BORA C.500.240	1640	853	500	1330	1550	575	1200	415	355
BORA C.500.300	1970	853	500	1660	1880	575	1500	415	355

** The dimensions of the 4-pipe version are identical to those of the 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 C.390.140	3	5415	9742	13009	21632	4417	10597	7059	200.0	1443	55.0	68.0
	7	6738	12214	16230	27150	5590	13049	8835	300.0	1924	57.0	
	10	7939	14475	19165	32201	6675	15257	10463	400.0	2406	62.0	
BORA C.450.180	3	7175	12934	17248	28729	5891	14012	9379	250.0	1960	59.0	78.0
	7	8898	16160	21447	35931	7431	17205	11703	375.0	2613	62.0	
	10	10458	19100	25261	42498	8849	20074	13828	500.0	3267	66.0	
BORA C.500.240	3	9145	16419	21951	36450	7486	18007	11970	300.0	2465	58.0	93.0
	7	11355	20535	27327	45634	9457	22157	14953	450.0	3286	63.0	
	10	13358	24284	32208	54006	11269	25889	17680	600.0	4107	70.0	
BORA C.500.300	3	10894	19415	26078	43063	8855	21746	14278	350.0	2851	60.0	108.0
	7	13572	24357	32570	54075	11225	26879	17893	520.0	3801	65.0	
	10	16775	30303	40350	67334	14110	32974	22258	700.0	5069	73.0	

** According to EN 1397.*

*** 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 C.390.140.4P	3	4097	7726	10015	17262	4417	10597	7059	200.0	1443	55.0	69.0
	7	5027	9551	12322	21359	5590	13049	8835	300.0	1924	57.0	
	10	5872	11218	14422	25106	6675	15257	10463	400.0	2406	62.0	
BORA C.450.180.4P	3	5409	10210	13227	22814	5891	14012	9379	250.0	1960	59.0	79.0
	7	6624	12593	16240	28165	7431	17205	11703	375.0	2613	62.0	
	10	7726	14766	18977	33049	8849	20074	13828	500.0	3267	66.0	
BORA C.500.240.4P	3	6958	13037	16966	29103	7486	18007	11970	300.0	2465	58.0	94.0
	7	8532	16095	20857	35964	9457	22157	14953	450.0	3286	63.0	
	10	9960	18883	24390	42221	11269	25889	17680	600.0	4107	70.0	
BORA C.500.300.4P	3	8427	15592	20452	34753	8855	21746	14278	350.0	2851	60.0	109.0
	7	10366	19299	25214	43053	11225	26879	17893	520.0	3801	65.0	
	10	12686	23759	30923	53045	14110	32974	22258	700.0	5069	73.0	

** According to EN 1397.*

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Miglio BV

Groeningenweg 2.1
3590 Diepenbeek, Belgium

info@miglio.eu
www.miglio.eu

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