MIGLIO

BORA CW.117

HEAT PUMP CONVECTOR

CONTENTS

DESCRIPTION

BORA CW is a heat pump convector with an integrated L-shaped condensate tray, making the unit suitable for both **ceiling and wall installation** — without the need for a separate condensate tray.

The **BORA CW.117** is a slim, discreet yet powerful solution for a quiet and fast ideal indoor climate, perfectly suited for residential and smaller commercial applications. The **BORA CW.195** goes a step further: with higher heating and cooling capacity, this model offers tailored comfort for larger offices and commercial applications, all year round.

Each model is available with casing for surface mounting or without casing for recessed installation. In addition, there is a choice between a 2-pipe version and a 4-pipe version with an extra heat exchanger, for even more flexibility in installation and climate control.

BORA CW.117 without casing

BORA CW.117 with casing

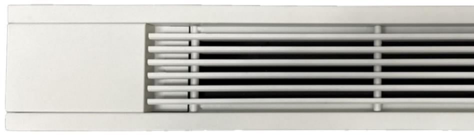
FEATURES

- Perfect match with heat pumps for maximum system efficiency
- Compact, lightweight design for easy installation
- Available with or without casing, in 2-pipe or 4-pipe version
- Flexible connection options: standard with G1/2” hydraulic connection left and electrical connection right, optional reversed configuration (hydraulic right, electrical 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
- Steel air filter
- L-shaped condensate tray for both wall and ceiling mounting
- High-performance aluminium-copper heat exchanger with hydrophilic coating for optimal cooling efficiency
- Durable electro-galvanised steel casing with premium finish: standard in traffic white RAL 9016, soft-touch, lightly textured satin powder coating, other colours available on request

APPLICATIONS

Suitable for all types of buildings requiring whisper-quiet cooling and heating in a visually discreet design.

- Residential buildings (apartments, houses, lofts)
- Smaller commercial spaces (offices, meeting rooms, retail, hospitality)



PERFORMANCE OVERVIEW

2-PIPE WITHOUT CASING

- Heating capacity (35/30/20 °C): 333 - 2148 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 235 - 1176 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 454 - 2637 W
- Sound power level: 32.0 - 57.0 dB(A)

2-PIPE WITH CASING

- Heating capacity (35/30/20 °C): 314 - 2086 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 220 - 1107 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 430 - 2500 W
- Sound power level: 30.2 - 54.5 dB(A)

4-PIPE WITHOUT CASING

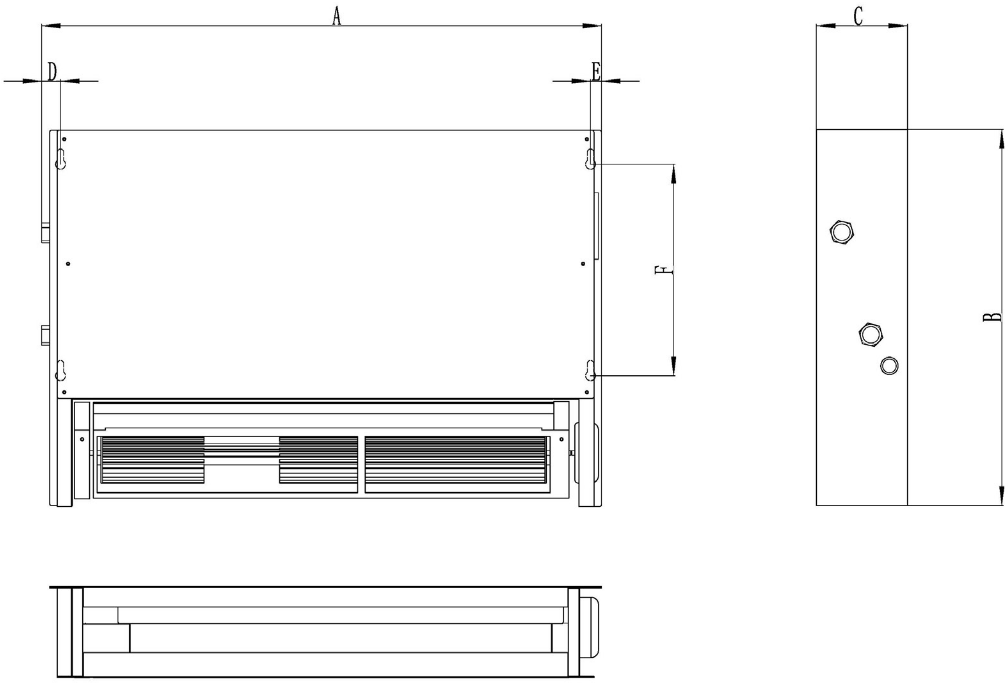
- Heating capacity (35/30/20 °C): 89 - 817 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 116 - 860 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 240 - 1956 W
- Sound power level: 32.0 - 57.0 dB(A)

4-PIPE WITH CASING

- Heating capacity (35/30/20 °C): 84 - 775 W
- Non-condensing cooling capacity (16/18/27 °C, RH 50 %): 108 - 805 W
- Condensing cooling capacity (7/12/27 °C, RH 50 %): 226 - 1835 W
- Sound power level: 30.2 - 54.5 dB(A)

DIMENSIONS *(in mm)*

WITHOUT CASING

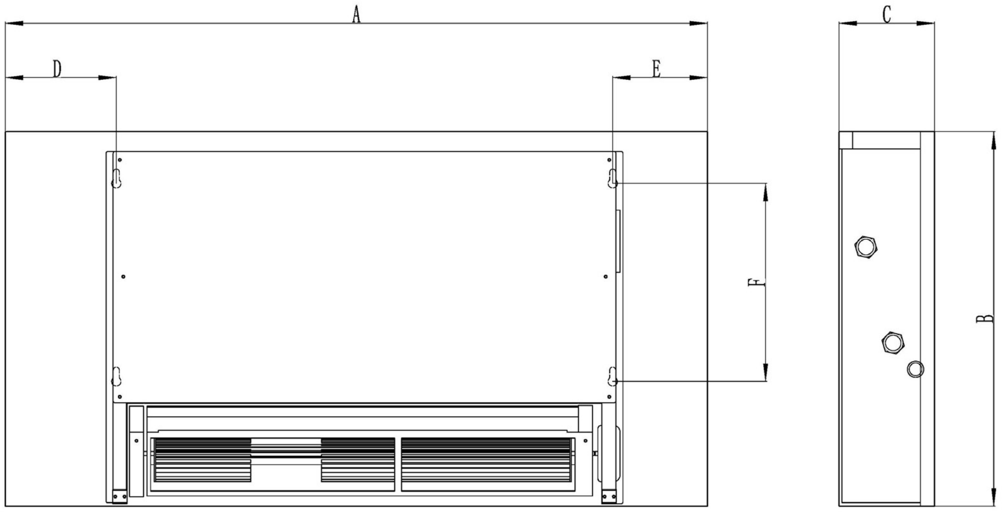


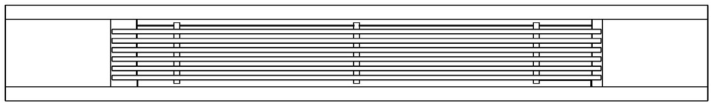
MODEL*	A	B	C	D	E	F
BORA CW.117.010	601	500	119	76	23	280
BORA CW.117.020	801	500	119	76	23	280
BORA CW.117.040	1023	500	119	76	23	280
BORA CW.117.050	1223	500	119	76	23	280

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

DIMENSIONS *(in mm)*

WITH CASING





MODEL*	A	B	C	D	E	F
BORA CW.117.010.CA	793	530	135	157	134	280
BORA CW.117.020.CA	993	530	135	157	134	280
BORA CW.117.040.CA	1295	530	135	157	134	280
BORA CW.117.050.CA	1495	530	135	157	134	280

** 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 POWER LEVEL**	WEIGHT
-	V	W	W	W	W	W	W	W	W	m³/h	dB(A)	kg
BORA CW.117.010	3	333	636	819	1422	235	454	357	2	99	32.0	9.7
	7	490	959	1215	2151	370	671	556	7	174	45.0	
	10	583	1152	1451	2588	457	805	686	16	228	52.0	
BORA CW.117.020	3	558	1020	1350	2268	338	721	523	2	145	32.5	12.8
	7	873	1631	2127	3638	550	1127	843	7	265	46.0	
	10	1021	1922	2495	4292	658	1327	1006	15	332	53.0	
BORA CW.117.040	3	844	1492	2016	3304	472	1074	742	4	194	35.0	15.8
	7	1392	2511	3348	5578	784	1725	1220	13	360	48.7	
	10	1691	3078	4081	6844	965	2095	1495	28	467	56.0	
BORA CW.117.050	3	1046	1816	2481	4013	580	1358	921	4	226	37.0	18.8
	7	1733	3067	4139	6796	947	2151	1487	14	407	49.5	
	10	2148	3836	5146	8508	1176	2637	1838	28	531	57.0	

** According to EN 16430.*
*** According to EN ISO 3741.*

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 POWER LEVEL**	WEIGHT
-	V	W	W	W	W	W	W	W	W	m³/h	dB(A)	kg
BORA CW.117.010.CA	3	314	596	770	1332	220	430	334	2	90	30.2	15.7
	7	466	907	1153	2033	347	637	522	7	158	43.1	
	10	557	1096	1384	2461	430	767	646	16	207	50.5	
BORA CW.117.020.CA	3	525	954	1267	2120	317	683	492	2	132	33.4	19.8
	7	830	1543	2019	3440	518	1071	796	7	241	45.1	
	10	974	1826	2377	4075	621	1262	950	15	302	51.5	
BORA CW.117.040.CA	3	791	1389	1885	3074	446	1024	704	4	176	34.1	25.1
	7	1323	2373	3176	5267	744	1653	1162	13	328	47.5	
	10	1619	2929	3898	6508	918	2011	1427	28	425	54.5	
BORA CW.117.050.CA	3	983	1691	2324	3732	543	1280	865	4	205	35.9	29.9
	7	1664	2915	3959	6448	889	2035	1400	14	370	48.1	
	10	2086	3688	4981	8168	1107	2500	1735	28	483	54.5	

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*** According to EN ISO 3741.*

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 POWER LEVEL**	WEIGHT
-	V	W	W	W	W	W	W	W	W	m³/h	dB(A)	kg
BORA CW.117.010.4P	3	89	203	234	464	116	240	179	1	47	32.0	10.9
	7	157	383	423	883	253	479	386	4	122	45.0	
	10	189	473	515	1093	332	606	503	10	171	52.0	
BORA CW.117.020.4P	3	201	419	510	947	217	477	341	2	98	32.5	14.6
	7	304	652	781	1480	370	783	575	8	189	46.0	
	10	367	795	945	1808	473	981	731	15	257	53.0	
BORA CW.117.040.4P	3	340	668	845	1501	325	752	517	3	147	35.0	18.8
	7	538	1078	1345	2426	572	1287	902	10	295	48.7	
	10	636	1284	1595	2894	708	1575	1113	22	385	56.0	
BORA CW.117.050.4P	3	435	837	1072	1876	396	934	634	3	178	37.0	23.5
	7	682	1336	1691	2999	686	1578	1089	12	349	49.5	
	10	817	1610	2030	3618	860	1956	1359	27	462	57.0	

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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 POWER LEVEL**	WEIGHT
-	V	W	W	W	W	W	W	W	W	m³/h	dB(A)	kg
BORA CW.117.010.4P.CA	3	84	192	221	438	108	226	167	1	43	30.2	16.9
	7	149	363	403	836	237	452	361	4	112	43.1	
	10	180	449	491	1037	311	572	471	10	157	50.5	
BORA CW.117.020.4P.CA	3	190	395	483	893	203	448	318	2	90	33.4	21.0
	7	289	617	741	1400	346	736	538	8	174	45.1	
	10	349	754	898	1713	442	923	685	15	236	51.5	
BORA CW.117.040.4P.CA	3	322	630	798	1414	303	704	483	3	135	34.1	26.3
	7	510	1019	1274	2294	535	1207	845	10	271	47.5	
	10	604	1216	1513	2740	663	1479	1043	22	354	54.5	
BORA CW.117.050.4P.CA	3	411	789	1011	1766	370	874	592	3	164	35.9	31.2
	7	646	1263	1600	2834	642	1479	1019	12	321	48.1	
	10	775	1524	1923	3424	805	1835	1273	27	425	54.5	

** According to EN 16430.*
*** According to EN ISO 3741.*

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