BORA

Air-cooled condensers
Refrigeration, air conditioning and process applications
For standard refrigerants

Capacity: 41-303kW

BORA VS 80 EVap
BORA VS 91 EVap

KAITRA

January 2018

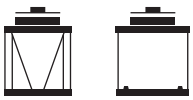
BORA VS 80 EVap

Air-cooled condensers

www.kaltra.de

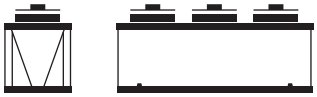
Ø 800 mm	FAN DIAMETER
41 ÷ 253 kW	CAPACITY DT - 15°C
1 - 3	NUMBERS OF FANS

BORA VS 80-1 EVap



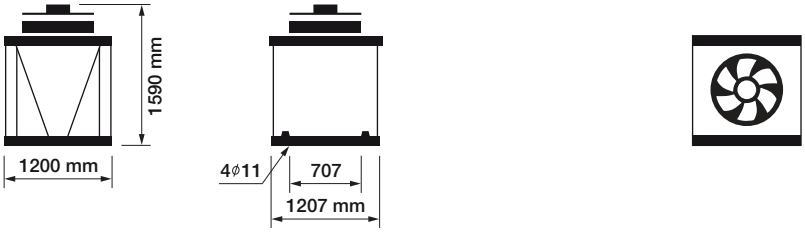
BORA VS 80-2 EVap

BORA VS 80-3 EVap

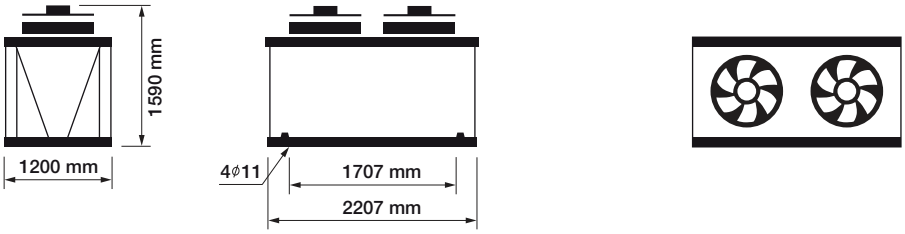


DIMENSIONS

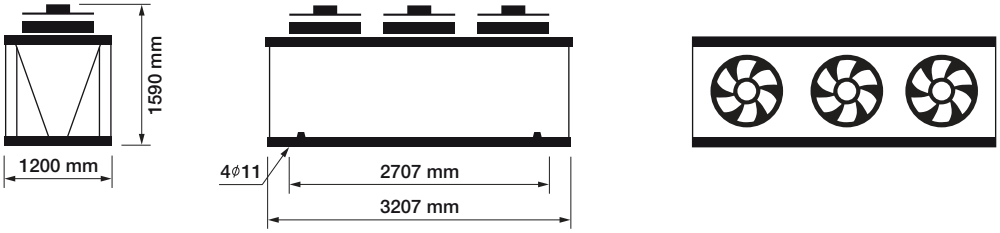
BORA VS 80-1 EVap



BORA VS 80-2 EVap



BORA VS 80-3 EVap



UNIT IDENTIFICATION

BORA	MC	VS	1000	80	3	1	N	E	2	EVap

MC	Microchannel coil
VS	V-Shape
1000	Coil length
80	Fan diameter 800mm
3	No. of phases

1	No. of fans
N	Noise level/N - normal/M - medium/L - low
E	E - electronic motor
2	Coil passes
EVap	Evaporative pre-cooling

KALTRA

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BORA VS 80 EVap

Air-cooled condensers

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EC FAN	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
W3G800KS3903	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1000.80-3/1N.E-2EVap	84,8	83,8	17200	1,65	46	43	1	800	923	2,62	12,60	249	42	42
BORA MC VS 1000.80-3/1N.E-4EVap	84,0	83,8	17200	1,65	46	43	1	800	923	2,62	12,60	249	42	42
BORA MC VS 2000.80-3/2N.E-1EVap	169,9	168,8	34400	3,3	52	46	2	800	923	2,62	18,60	417	42	42
BORA MC VS 2000.80-3/2N.E-2EVap	166,7	168,8	34400	3,3	52	46	2	800	923	2,62	18,60	417	42	42
BORA MC VS 3000.80-3/3N.E-1EVap	253,4	253,6	51600	4,95	53	47	3	800	923	2,62	24,80	588	42	42

EC FAN	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
W3G800KE5751	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1000.80-3/1M.E-2EVap	62,0	83,8	11790	0,64	40	34	1	800	715	1,01	12,60	235	42	42
BORA MC VS 1000.80-3/1M.E-4EVap	62,1	83,8	11790	0,64	40	34	1	800	715	1,01	12,60	235	42	42
BORA MC VS 2000.80-3/2M.E-1EVap	124,3	168,8	23580	1,28	43	37	2	800	715	1,01	18,60	389	42	42
BORA MC VS 2000.80-3/2M.E-2EVap	123,7	168,8	23580	1,28	43	37	2	800	715	1,01	18,60	389	42	42
BORA MC VS 3000.80-3/3M.E-1EVap	186,6	253,6	35370	1,92	44	38	3	800	715	1,01	24,80	546	42	42
BORA MC VS 3000.80-3/3M.E-2EVap	178,5	253,6	35370	1,92	44	38	3	800	715	1,01	24,80	546	42	42

EC FAN	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
W3G800GA7751	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1000.80-3/1L.E-2EVap	44,9	83,8	8060	0,28	30	24	1	800	445	0,5	12,60	229	42	42
BORA MC VS 1000.80-3/1L.E-4EVap	45,1	83,8	8060	0,28	30	24	1	800	445	0,5	12,60	229	42	42
BORA MC VS 2000.80-3/2L.E-1EVap	89,9	168,8	16120	0,56	33	27	2	800	445	0,5	18,60	377	42	42
BORA MC VS 2000.80-3/2L.E-2EVap	90,2	168,8	16120	0,56	33	27	2	800	445	0,5	18,60	377	42	42
BORA MC VS 3000.80-3/3L.E-1EVap	135,5	253,6	24180	0,84	34	28	3	800	445	0,5	24,80	530	42	42
BORA MC VS 3000.80-3/3L.E-2EVap	132,7	253,6	24180	0,84	34	28	3	800	445	0,5	24,80	530	42	42

EC Fan ~1	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
W3G800GA7741	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1000.80-3/1L.E-2EVap	41,4	83,8	7350	0,23	28	22	1	800	490	1,03	12,60	229	42	42
BORA MC VS 1000.80-3/1L.E-4EVap	41,7	83,8	7350	0,23	28	22	1	800	490	1,03	12,60	229	42	42
BORA MC VS 2000.80-3/2L.E-1EVap	83,0	168,8	14700	0,46	31	25	2	800	490	1,03	18,60	377	42	42
BORA MC VS 2000.80-3/2L.E-2EVap	83,4	168,8	14700	0,46	31	25	2	800	490	1,03	18,60	377	42	42
BORA MC VS 3000.80-3/3L.E-1EVap	125,2	253,6	22050	0,69	32	26	3	800	490	1,03	24,80	530	42	42
BORA MC VS 3000.80-3/3L.E-2EVap	123,1	253,6	22050	0,69	32	26	3	800	490	1,03	24,80	530	42	42

Capacity: Tc=45°C Tair=35°C RH=40%

BORA VS 91 EVap

Air-cooled condensers

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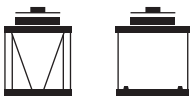
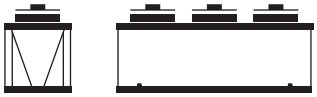
Ø 910 mm	FAN DIAMETER
55 ÷ 303 kW	CAPACITY DT - 15°C
1 - 3	NUMBERS OF FANS

BORA VS 91-1 EVap



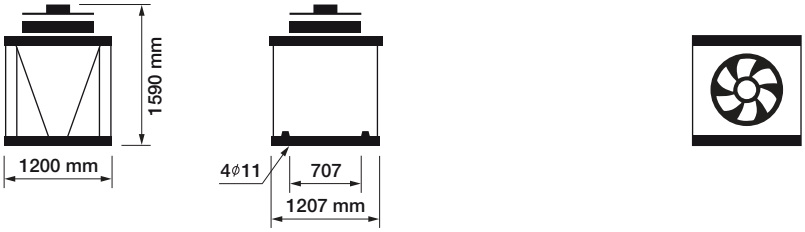
BORA VS 91-2 EVap

BORA VS 91-3 EVap

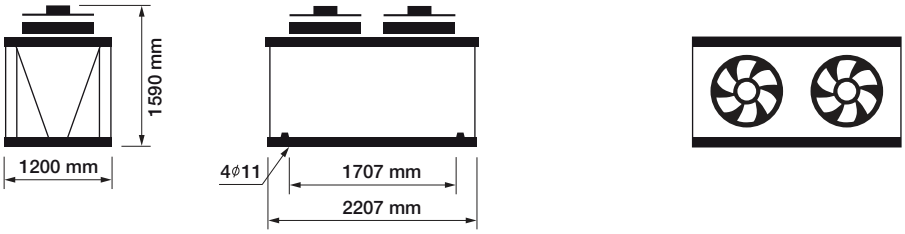


DIMENSIONS

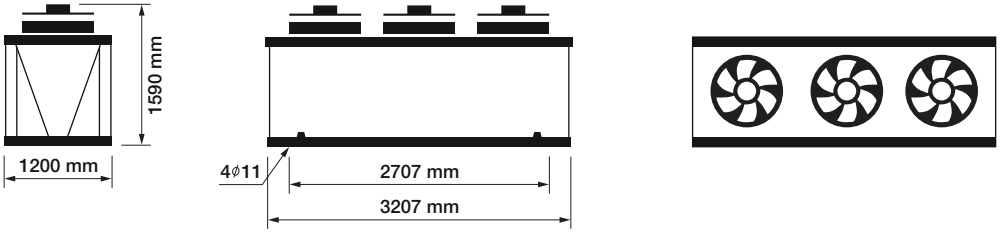
BORA VS 91-1 EVap



BORA VS 91-2 EVap



BORA VS 91-3 EVap



UNIT IDENTIFICATION

BORA	MC	VS	1250	91	3	1	N	E	2	EVap

MC	Microchannel coil
VS	V-Shape
1250	Coil length
91	Fan diameter 910mm
3	No. of phases

1	No. of fans
N	Noise level/N - normal/M - medium/L - low
E	E - electronic motor
2	Coil passes
EVap	Evaporative pre-cooling

BORA VS 91 EVap

Air-cooled condensers

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EC Fan	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1250.91-3/1N.E-2 EVap	102,7	95,2	20680,0	1,5	48	42	1	910	833	2,32	12,60	275	42	42
BORA MC VS 1250.91-3/1N.E-4 Evap	100,0	95,2	20680,0	1,5	48	42	1	910	833	2,32	12,60	275	42	42
BORA MC VS 2450.91-3/2N.E-1 Evap	205,3	191,4	41360,0	3	51	45	2	910	833	2,32	18,60	486	42	42
BORA MC VS 3650.91-3/3N.E-1 Evap	302,9	287,6	62040,0	4,5	52	46	3	910	833	2,32	24,80	656	42	42

EC Fan	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1250.91-3/1M.E-2 Evap	94,6	95,2	18560,0	1,08	44	38	1	910	740	1,72	12,60	268	42	42
BORA MC VS 1250.91-3/1M.E-4 Evap	92,7	95,2	18560,0	2,16	44	38	1	910	740	1,72	12,60	268	42	42
BORA MC VS 2450.91-3/2M.E-1 Evap	189,2	191,4	37120,0	2,16	47	41	2	910	740	1,72	18,60	472	42	42
BORA MC VS 3650.91-3/3M.E-1 Evap	280,1	287,6	55680,0	3,24	48	42	3	910	740	1,72	24,80	635	42	42

EC Fan	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1250.91-3/1M2.E-2 Evap	75,9	95,2	13750	0,68	39	33	1	910	640	1,12	12,60	263	42	42
BORA MC VS 1250.91-3/1M2.E-4 Evap	75,3	95,2	13750	0,68	39	33	1	910	640	1,12	12,60	263	42	42
BORA MC VS 2450.91-3/2M2.E-1 Evap	152,0	191,4	27500	1,36	42	36	2	910	640	1,12	18,60	462	42	42
BORA MC VS 2450.91-3/2M2.E-2 Evap	149,4	191,4	27500	1,36	42	36	2	910	640	1,12	18,60	462	42	42
BORA MC VS 3650.91-3/3M2.E-1 Evap	226,7	287,6	41250	2,04	43	37	3	910	640	1,12	24,80	620	42	42

EC Fan ~1	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MC VS 1250.91-3/1L.E-2 Evap	54,7	95,2	8950	0,25	30	24	1	910	450	1,13	12,60	251	42	42
BORA MC VS 1250.91-3/1L.E-4 Evap	54,8	95,2	8950	0,25	30	24	1	910	450	1,13	12,60	251	42	42
BORA MC VS 2450.91-3/2L.E-1 Evap	109,6	191,4	17900	0,5	33	27	2	910	450	1,13	18,60	438	42	42
BORA MC VS 2450.91-3/2L.E-2 Evap	109,1	191,4	17900	0,5	33	27	2	910	450	1,13	18,60	438	42	42
BORA MC VS 3650.91-3/3L.E-1 Evap	164,5	287,6	26850	0,75	34	28	3	910	450	1,13	24,80	584	42	42
BORA MC VS 3650.91-3/3L.E-2 Evap	158,7	287,6	26850	0,75	34	28	3	910	450	1,13	24,80	584	42	42

Capacity: Tc=45°C Tair=35°C RH=40%

✓ Standard accessory • Optional accessory

Condensers

RANGE	N° FAN	Ø FAN	MEDIUM	CONFIGURATIONS													
	nº	mm	SYNTETIC	INOX CASING	SPECIAL RAL	CORROSION C5 CLASS	PREPAINTED FINS	COIL CATHODE TREATMENT	VIBRATION DUMPER	EC FANS	WIRING	SWITCHES	SILENCER	SILENCER +	FAN SPEED CONTROLLER	DRAINABLE CIRCUIT	WATER RECIRCULATION
BORA VS 80 EVap	1 ÷ 3	800	✓	•	•	•	•	•	•	•	•	•	•	•	•	•	•
BORA VS 91 EVap	1 ÷ 3	910	✓	•	•	•	•	•	•	•	•	•	•	•	•	•	•

BORA VS 80 EVap
BORA VS 91 EVap

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