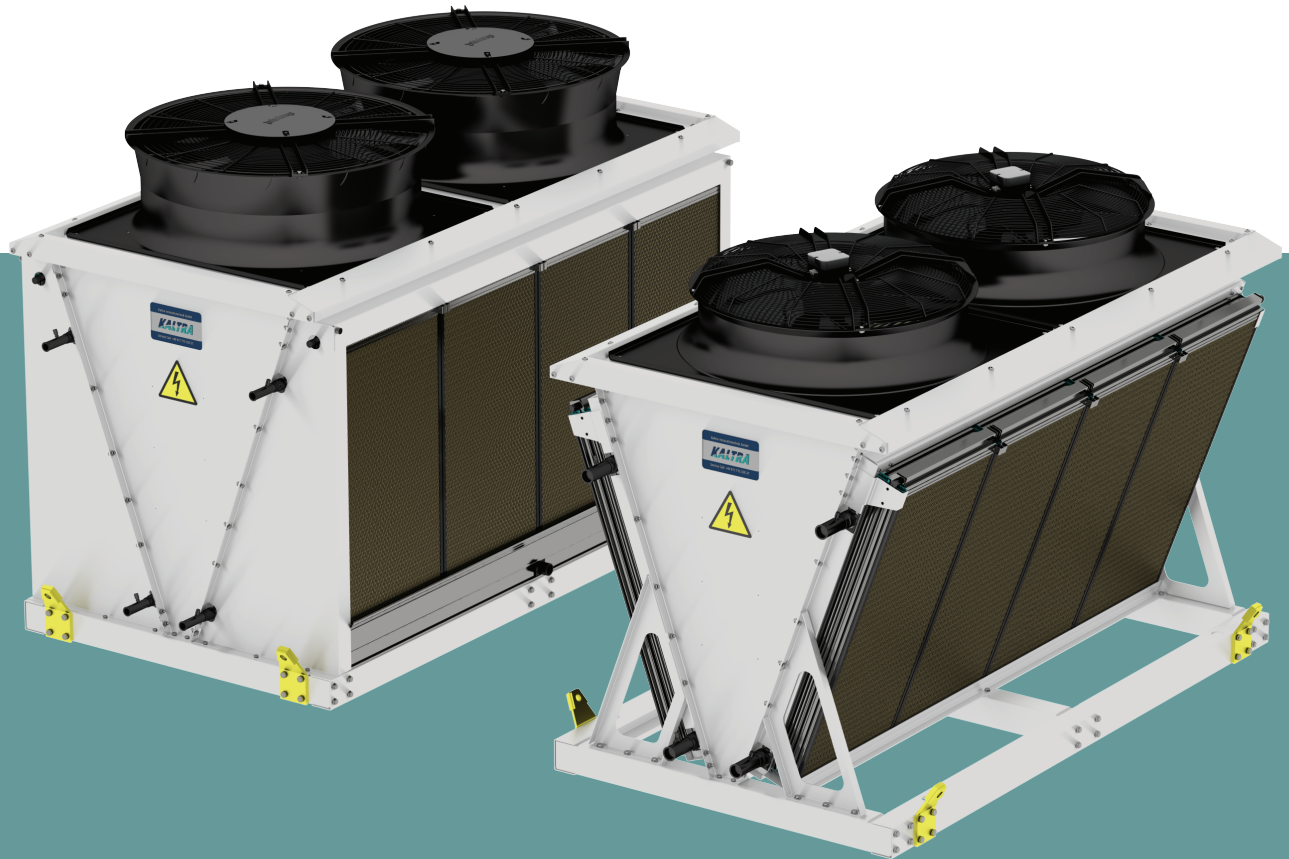


# BORA

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Drycoolers

**Capacity: 34-386kW**



**BORA MDC 80 EVap**  
**BORA MDC 91 EVap**

**KALTRA**

January 2018

# BORA MDC 80 EVap

Drycoolers

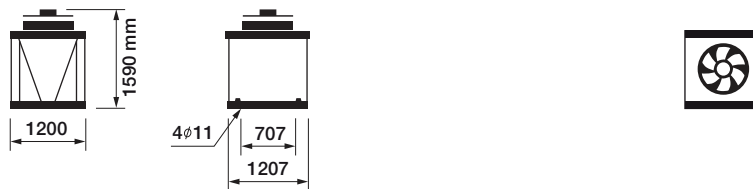
www.kaltra.de

<p>Ø 800 mm</p> <p>FAN DIAMETER</p>
<p>34 ÷ 320 kW</p> <p>CAPACITY</p>
<p>1 - 6</p> <p>NO. OF FANS</p>

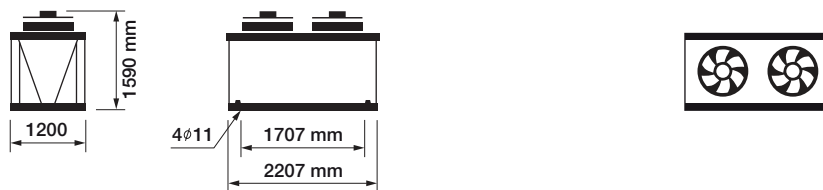
<b>BORA MDC 80-1 EVap</b>	
<b>BORA MDC 80-2 EVap</b>	
<b>BORA MDC 80-4 EVap</b>	
<b>BORA MDC 80-6 EVap</b>	

## DIMENSIONS

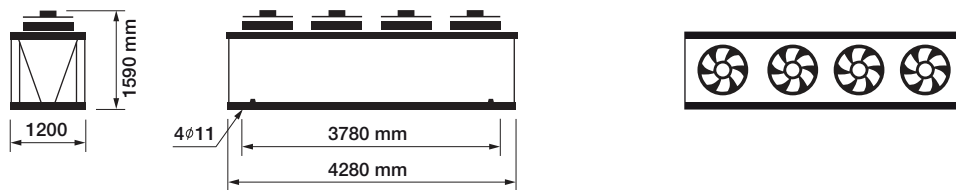
**BORA MDC 80-1 EVap**



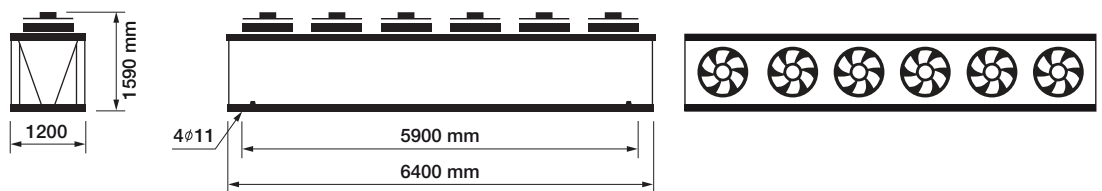
**BORA MDC 80-2 EVap**



**BORA MDC 80-4 EVap**



**BORA MDC 80-6 EVap**



## UNIT IDENTIFICATION

**BORA M DC 1000 80 3 1 N E 1 EVap**

<b>M</b>	Microchannel
<b>DC</b>	Dry Cooler
<b>1000</b>	Coil length
<b>80</b>	Fan diameter 800 mm
<b>3</b>	No. of phases

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

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# BORA MDC 80 EValp

Drycoolers

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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 MDC 1000.80-3/1N.E-2 Evap	53,0	119,2	17440	1,6	46	42	1	800	925	2,5	13,40	263	42	42
BORA MDC 2000.80-3/2N.E-1 Evap	106,6	240,0	34890	3,2	51	45	2	800	925	2,5	21,80	445	42	42
BORA MDC 4000.80-3/4N.E-1 Evap	213,2	480,0	69920	6,4	53	47	4	800	925	2,5	43,60	956	89	89
BORA MDC 6000.80-3/6N.E-1 Evap	319,8	720,0	104840	9,6	55	49	6	800	925	2,5	65,40	1539	108	108

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 MDC 1000.80-3/1M.E-2 Evap	47,1	119,2	14350	1,3	43	37	1	800	824	2	13,40	255	42	42
BORA MDC 2000.80-3/2M.E-1 Evap	94,4	240,0	28700	2,6	46	40	2	800	824	2	21,80	429	42	42
BORA MDC 4000.80-3/4M.E-1 Evap	188,8	480,0	57400	5,2	48	42	4	800	824	2	43,60	924	89	89
BORA MDC 6000.80-3/6M.E-1 Evap	283,2	720,0	86100	7,8	51	45	6	800	824	2	65,40	1488	104	104

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 MDC 1000.80-3/1M2.E-2 Evap	41,0	119,2	11700	0,77	37	31	1	800	736	1,27	13,40	255	42	42
BORA MDC 2000.80-3/2M2.E-1 Evap	82,3	240,0	23400	1,54	40	34	2	800	736	1,27	21,80	429	42	42
BORA MDC 4000.80-3/4M2.E-1 Evap	164,6	480,0	46800	3,08	42	36	4	800	736	1,27	43,60	924	76	76
BORA MDC 6000.80-3/6M2.E-1 Evap	246,9	720,0	70200	4,62	44	38	6	800	736	1,27	65,40	1488	104	104

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 MDC 1000.80-1/1L.E-2 Evap	34,2	119,2	9000	0,36	32	26	1	800	570	1,56	13,40	252	42	42
BORA MDC 2000.80-1/2L.E-1 Evap	68,6	240,0	18000	0,72	35	29	2	800	570	1,56	21,80	423	42	42
BORA MDC 4000.80-1/4L.E-1 Evap	137,2	480,0	36000	1,08	37	31	4	800	570	1,56	43,60	912	76	76
BORA MDC 6000.80-1/6L.E-1 Evap	205,8	720,0	48000	1,48	39	33	6	800	570	1,56	65,40	1470	89	89

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-35°C RH=40%

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# BORA MDC 91 EVap

Drycoolers

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<p>Ø 910 mm</p> <p>FAN DIAMETER</p>
<p>32 ÷ 386 kW</p> <p>CAPACITY</p>
<p>1 - 6</p> <p>NO.OF FANS</p>

<b>BORA MDC 91-1 EVap</b>	
<b>BORA MDC 91-2 EVap</b>	
<b>BORA MDC 91-4 EVap</b>	
<b>BORA MDC 91-6 EVap</b>	

## DIMENSIONS

<b>BORA MDC 91-1 EVap</b>		
<b>BORA MDC 91-2 EVap</b>		
<b>BORA MDC 91-4 EVap</b>		
<b>BORA MDC 91-6 EVap</b>		

## UNIT IDENTIFICATION

**BORA M DC 1250 91 3 1 N E 1 EVap**

<b>M</b>	Microchannel
<b>DC</b>	Dry Cooler
<b>1250</b>	Coil length
<b>91</b>	Fan diameter 910 mm
<b>3</b>	No. of phases

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

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# BORA MDC 91 EValp

Drycoolers

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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 MDC 1250.91-3/1N.A-2 Evap	64	135,4	20680	2	49	43	1	910	907	3,05	14,90	287	2x42	2x42
BORA MDC 2450.91-3/2N.A-1 Evap	128,6	272,2	41360	4,2	52	46	2	910	907	3,17	23,20	513	2x42	2x42
BORA MDC 4900.91-3/4N.A-1 Evap	257,2	544,4	82720	8,4	54	48	4	910	907	3,17	46,40	1117	104	104
BORA MDC 7350.91-3/6N.A-1 Evap	385,8	816,6	124080	12,6	56	50	6	910	907	3,17	69,60	1678	114	114

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 MDC 1250.91-3/1N1.A-2 Evap	56,4	135,4	17420	1,36	46	40	1	910	783	2,15	14,90	282	2x42	2x42
BORA MDC 2450.91-3/2N1.A-1 Evap	113,3	272,2	34840	2,6	48	42	2	910	827	2,05	23,20	503	2x42	2x42
BORA MDC 4900.91-3/4N1.A-1 Evap	226,6	708,8	69680	5,2	50	44	4	910	827	2,05	46,40	817	89	89
BORA MDC 7350.91-3/6N1.A-1 Evap	339,9	1063,2	104520	7,8	52	46	6	910	827	2,05	69,60	1648	104	104

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 MDC 1250.91-3/1M.E-2 Evap	51,5	135,4	13800	0,75	41	35	1	910	633	1,18	14,90	282	2x42	2x42
BORA MDC 2450.91-3/2M.E-1 Evap	104,5	272,2	27600	1,46	44	38	2	910	630	1,16	23,20	503	2x42	2x42
BORA MDC 4900.91-3/4M.E-1 Evap	209,0	708,8	55200	2,92	46	40	4	910	671	1,16	46,40	817	89	89
BORA MDC 7350.91-3/6M.E-1 Evap	313,5	1063,2	82800	4,38	48	42	6	910	671	1,16	69,60	1648	104	104

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 MDC 1250.91-3/1M1.E-2 Evap	40,7	135,4	10350	0,44	36	30	1	910	548	1,93	14,90	269	2x42	2x42
BORA MDC 2450.91-3/2M1.E-1 Evap	81,8	272,2	20700	0,81	39	33	2	910	572	1,8	23,20	477	2x42	2x42
BORA MDC 4900.91-3/4M1.E-1 Evap	163,6	708,8	41400	1,62	44	38	4	910	572	0,87	46,40	765	76	76
BORA MDC 7350.91-3/6M1.E-1 Evap	245,4	1063,2	62100	2,43	46	40	6	910	572	0,87	69,60	1570	89	89

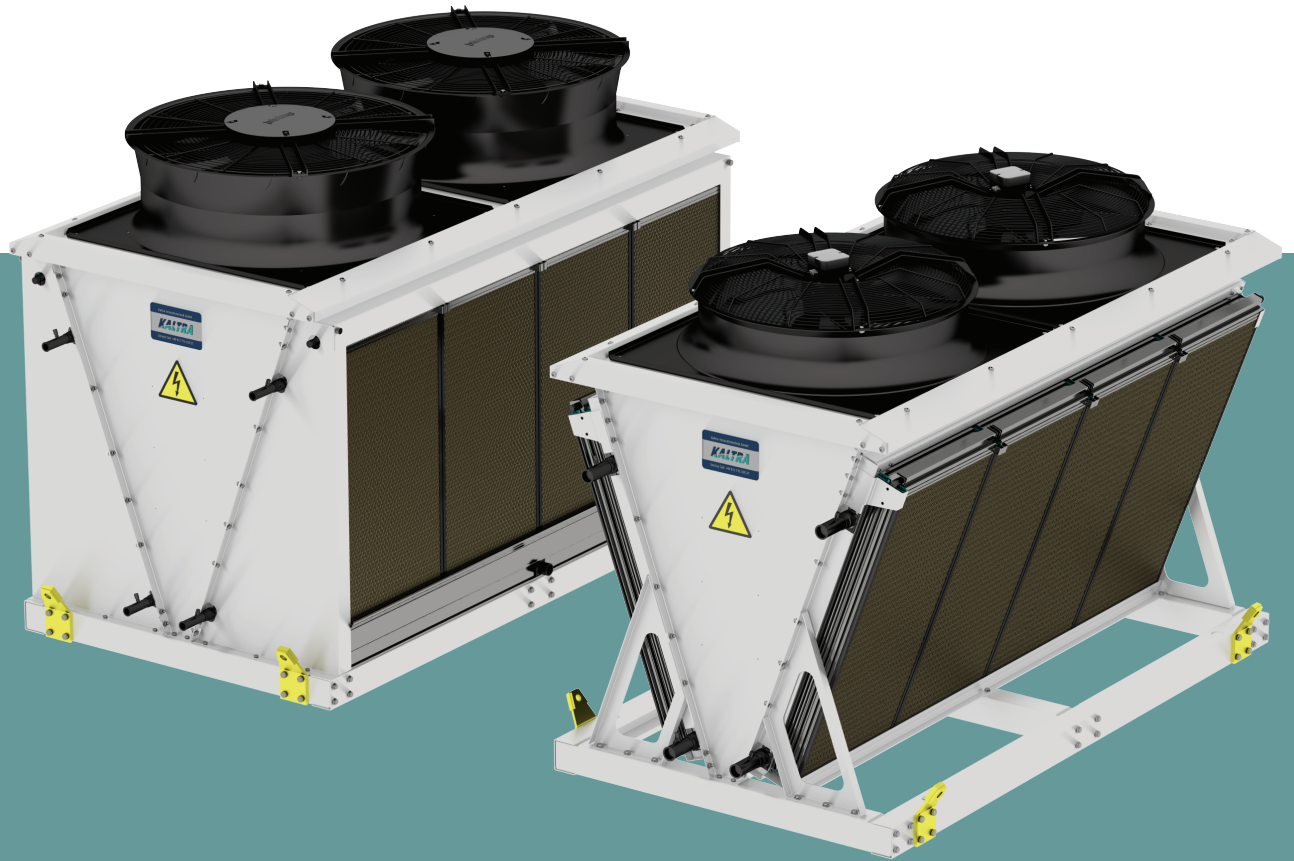
EC Fan ~1	CAPACITY	SURFACE	AIR FLOW	POWER	SOUND PRESSURE	SOUND PRESSURE	N° FANS	DIAMETER FAN Ø	FAN SPEED	CURRENT	VOLUME	WEIGHT	Ø IN	Ø OUT
	kW	m²	m³	kW	[dB(A)] 5m	[dB(A)] 10m	N	Nr. x Ø mm	Rpm	A	lt	kg	mm	mm
BORA MDC 1250.91-3/1L.E-2 Evap	31,8	135,4	7350	0,21	30	24	1	910	413	1	14,90	265	2x42	2x42
BORA MDC 2450.91-3/2L.E-1 Evap	63,8	272,2	14700	0,372	33	27	2	910	400	0,83	23,20	469	2x42	2x42
BORA MDC 4900.91-3/4L.E-1 Evap	127,6	708,8	29400	0,744	38	32	2	910	442	1,15	46,40	749	64	64
BORA MDC 7350.91-3/6L.E-1 Evap	191,4	1063,2	44100	1,116	40	34	2	910	442	1,15	69,60	1546	89	89

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-35°C RH=40%

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Please check the current position with Kaltra



# BORA MDC 80 EVap BORA MDC 91 EVap



# KALTRA