

BORA

Drycoolers

Capacity: 30-570kW



BORA MDC VS 80
BORA MDC VS 91

KALTRA

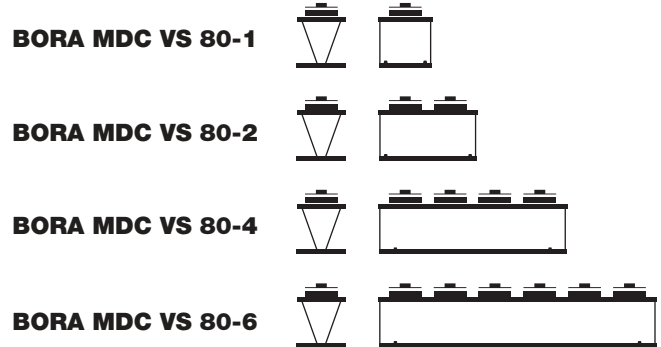
January 2018

BORA MDC VS 80

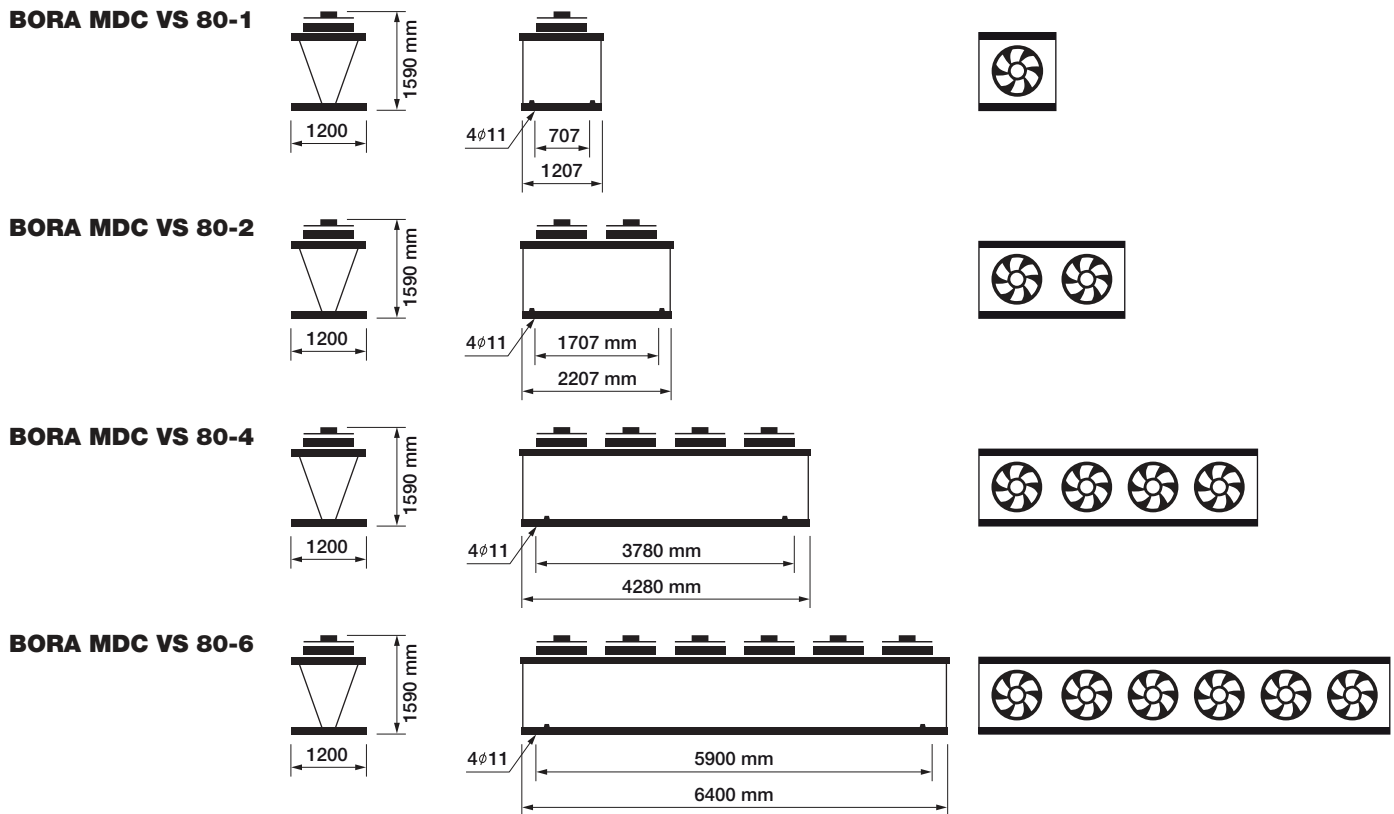
Drycoolers

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<p>Ø 800 mm</p> <p>FAN DIAMETER</p>
<p>34 ÷ 464 kW</p> <p>CAPACITY</p>
<p>1 - 6</p> <p>NO. OF FANS</p>



DIMENSIONS



UNIT IDENTIFICATION

BORA MCD VS 1000 80 3 1 N A 2

MDC	Microchannel Dry Cooler
VS	V-Shape
1000	Coil length
80	Fan diameter 800 mm
3	No. of phases

1	No. of fans
N	Noise level/N - normal/M - medium/L - low
A	A - asynchronous motor/ E - electronic motor
2	Coil passes

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BORA MDC VS 80

Drycoolers

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6Pole	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 1000.80-3/1N.A-2	60,0	117,4	19050	1,7	44	38	1	800	900	3,6	13,40	191	2x42	2x42
BORA MC VS 2000.80-3/2N.A-1	120,4	238,0	38100	3,4	47	41	2	800	900	3,6	21,80	326	2x42	2x42
BORA MC VS 4000.80-3/4N.A-1	240,8	476,0	76200	5,1	48	42	4	800	900	3,6	43,60	717	89	89
BORA MC VS 6000.80-3/6N.A-1	361,2	714,0	114300	6,8	49	43	6	800	900	3,6	64,80	1091	108	108

8Pole	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 1000.80-3/1M.A-2	48,1	117,4	14120	0,83	36	30	1	800	680	2,21	13,40	191	2x42	2x42
BORA MC VS 2000.80-3/2M.A-1	96,6	238,0	28240	1,66	39	33	2	800	680	2,21	21,80	326	2x42	2x42
BORA MC VS 4000.80-3/4M.A-1	193,2	476,0	56480	3,32	40	34	4	800	680	2,21	43,60	652	89	89
BORA MC VS 6000.80-3/6M.A-1	288,6	714,0	84720	4,98	41	35	6	800	680	2,21	64,80	978	108	108

12Pole	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 1000.80-3/1L.A-2	33,6	117,4	8880	0,34	25	19	1	800	446	1,1	13,40	189	2x42	2x42
BORA MC VS 2000.80-3/2L.A-1	67,3	238,0	17760	0,68	28	22	2	800	446	1,1	21,80	322	2x42	2x42
BORA MC VS 4000.80-3/4L.A-1	124,6	476,0	35520	1,36	29	23	4	800	446	1,1	43,60	690	60	60
BORA MC VS 6000.80-3/6L.A-1	201,9	714,0	53280	2,04	30	24	6	800	446	1,1	64,80	1048	76	76

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-25°C

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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	lit	kg	mm	mm
BORA MC VS 1000.80-3/1H.E-2	71,6	117,4	27110	2,85	49	43	1	800	1175	4,4	13,40	201	2x42	2x42
BORA MC VS 2000.80-3/2H.E-1	154,5	238,0	54220	5,7	52	46	2	800	1175	4,4	21,80	346	2x42	2x42
BORA MC VS 4000.80-3/4H.E-1	309,0	476,0	108440	11,4	53	47	4	800	1175	4,4	43,60	770	108	108
BORA MC VS 6000.80-3/6H.E-1	463,5	714,0	162660	17,1	54	48	6	800	1175	4,4	64,80	1170	127	127

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	lit	kg	mm	mm
BORA MC VS 1000.80-3/1N.E-2	65,0	117,4	21930	2,06	48	42	1	800	1017	3,23	13,40	189	2x42	2x42
BORA MC VS 2000.80-3/2N.E-1	133,5	238,0	43860	4,12	51	45	2	800	1017	3,23	21,80	322	2x42	2x42
BORA MC VS 4000.80-3/4N.E-1	267,0	476,0	96720	8,24	52	46	4	800	1017	3,23	43,60	710	89	89
BORA MC VS 6000.80-3/6N.E-1	400,5	714,0	131580	12,36	53	47	6	800	1017	3,23	64,80	1085	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	lit	kg	mm	mm
BORA MC VS 1000.80-3/1M.E-2	52,1	117,4	15670	0,7	39	33	1	800	782	1,11	13,40	181	2x42	2x42
BORA MC VS 2000.80-3/2M.E-1	104,6	238,0	31140	1,41	42	36	2	800	782	1,11	21,80	305	2x42	2x42
BORA MC VS 4000.80-3/4M.E-1	209,2	476,0	62280	2,82	43	37	4	800	782	1,11	43,60	656	76	76
BORA MC VS 6000.80-3/6M.E-1	313,8	714,0	93420	4,23	44	38	6	800	782	1,11	64,80	1010	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	lit	kg	mm	mm
BORA MC VS 1000.80-1/1M.E-2	45,1	117,4	14320	0,65	35	29	1	800	730	2,92	13,40	181	2x42	2x42
BORA MC VS 2000.80-1/2M.E-1	98,0	238,0	28640	1,3	38	32	2	800	730	2,92	21,80	305	2x42	2x42
BORA MC VS 4000.80-1/4M.E-1	196,0	476,0	57280	2,6	39	33	2	800	730	2,92	43,60	645	60	60
BORA MC VS 6000.80-1/6M.E-1	294,0	714,0	85920	3,9	40	34	2	800	730	2,92	64,80	997	76	76

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	lit	kg	mm	mm
BORA MC VS 1000.80-1/1L.E-2	34,4	117,4	9140	0,2	35	29	1	800	490	0,92	13,40	178	2x42	2x42
BORA MC VS 2000.80-1/2L.E-1	69,0	238,0	18280	0,4	38	32	2	800	490	0,92	21,80	299	2x42	2x42
BORA MC VS 4000.80-1/4L.E-1	138,0	476,0	36560	0,8	39	33	2	800	490	0,92	43,60	644	60	60
BORA MC VS 6000.80-1/6L.E-1	207,0	714,0	54840	1,2	40	34	2	800	490	0,92	64,80	979	76	76

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-25°C

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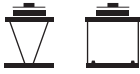





BORA MDC VS 91

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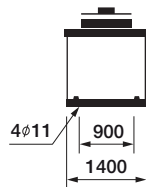
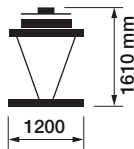
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<p>Ø 910 mm</p> <p>FAN DIAMETER</p>
<p>53 ÷ 538 kW</p> <p>CAPACITY</p>
<p>1 - 6</p> <p>NO. OF FANS</p>

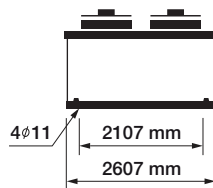
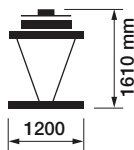
BORA MDC VS 91-1	
BORA MDC VS 91-2	
BORA MDC VS 91-4	
BORA MDC VS 91-6	

DIMENSIONS

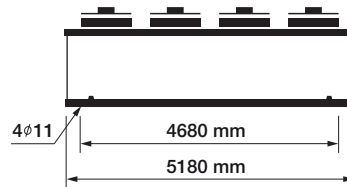
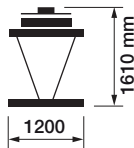
BORA MDC VS 91-1



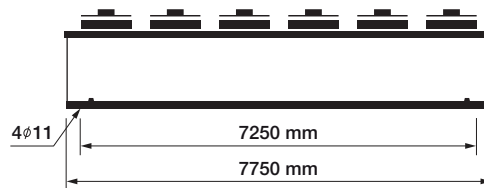
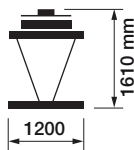
BORA MDC VS 91-2



BORA MDC VS 91-4



BORA MDC VS 91-6



UNIT IDENTIFICATION

BORA MDC VS 1250 91 3 1 N A 2

MDC	Microchannel Dry Cooler
VS	V-Shape
1250	Coil length
91	Fan diameter 910 mm
3	No. of phases

1	No. of fans
N	Noise level/N - normal/M - medium/L - low
A	A - asynchronous motor/ E - electronic motor
2	Coil passes

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6Pole	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	lit	kg	mm	mm
BORA MDC VS 1250.91-3/1N.A-2	76,7	133,2	23600	2,5	48	42	1	910	894	5,2	15,70	204	2x42	2x42
BORA MDC VS 2450.91-3/2N.A-1	156,5	267,4	50100	5	51	45	2	910	894	5,2	26,70	371	2x42	2x42
BORA MDC VS 4900.91-3/4N.A-1	313	534,8	100200	10	52	46	4	910	894	5,2	53,40	830	108	108
BORA MDC VS 7350.91-3/6N.A-1	469,5	802,2	150300	15	53	47	6	910	894	5,2	80,10	1252	127	127

8Pole	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	lit	kg	mm	mm
BORA MDC VS 1250.91-3/1M.A-2	58,9	133,2	17120	1,12	38	32	1	910	660	2,79	15,70	201	2x42	2x42
BORA MDC VS 2450.91-3/2M.A-1	120,6	267,4	35100	2,24	41	35	2	910	660	2,79	26,70	365	2x42	2x42
BORA MDC VS 4900.91-3/4M.A-1	241,2	534,8	70200	4,48	42	46	4	910	660	2,79	53,40	818	89	89
BORA MDC VS 7350.91-3/6M.A-1	361,8	802,2	105300	6,72	43	47	6	910	660	2,79	80,10	1234	108	108

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-25°C

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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 VS 1250.91-3/1H.E-2	88,8	133,2	30160	2,86	56	50	1	910	1069	4,41	15,70	215	2x42	2x42
BORA MDC VS 2450.91-3/2H.E-1	179,6	267,4	60940	5,72	59	53	2	910	1069	4,41	26,70	393	2x42	2x42
BORA MDC VS 4900.91-3/4H.E-1	359,2	534,8	121880	11,44	60	54	4	910	1069	4,41	53,40	877	114	114
BORA MDC VS 7350.91-3/6H.E-1	538,8	802,2	182820	17,16	61	55	6	910	1069	4,41	80,10	1318	133	133

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 VS 1250.91-3/1N.E-2	82,4	133,2	27180	2,3	48	42	1	910	981	3,61	15,70	211	2x42	2x42
BORA MDC VS 2450.91-3/2N.E-1	167,7	267,4	55160	4,6	51	45	2	910	981	3,61	26,70	385	2x42	2x42
BORA MDC VS 4900.91-3/4N.E-1	335,4	534,8	110320	9,2	52	46	4	910	981	3,61	53,40	861	108	108
BORA MDC VS 7350.91-3/6N.E-1	503,1	802,2	165480	13,8	53	47	6	910	981	3,61	80,10	1294	127	127

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 VS 1250.91-3/1M.E-2	73,6	133,2	23100	1,5	44	38	1	910	849	2,47	15,70	205	2x42	2x42
BORA MDC VS 2450.91-3/2M.E-1	149,2	267,4	46920	3	47	41	2	910	849	2,47	26,70	373	2x42	2x42
BORA MDC VS 4900.91-3/4M.E-1	298,4	534,8	93840	6,16	48	42	4	910	849	2,47	53,40	837	108	108
BORA MDC VS 7350.91-3/6M.E-1	447,6	802,2	140760	9,24	49	43	6	910	849	2,47	80,10	1258	127	127

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 VS 1250.91-3/1L.E-2	53,7	133,2	15100	0,66	37	31	1	910	660	1,07	15,70	200	2x42	2x42
BORA MDC VS 2450.91-3/2L.E-1	110,3	267,4	31160	1,32	40	34	2	910	660	1,07	26,70	363	2x42	2x42
BORA MDC VS 4900.91-3/4L.E-1	220,6	534,8	62320	2,64	41	35	2	910	660	1,07	53,40	817	89	89
BORA MDC VS 7350.91-3/6L.E-1	330,9	802,2	93480	3,96	42	36	2	910	660	1,07	80,10	1228	108	108

Capacity: Eth. 34% Tin-40°C Tout-35°C Tair-25°C

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