

SPB



FREE-STANDING CONVECTOR WITHOUT A FAN
FROM HIGH QUALITY STAINLESS STEEL



NEW



CHARACTERISTICS

- high heating output of natural convection
- short response time
- possibility of various colour options
- can also be supplied for wet environment (please let us know when you order)
- the convector includes longitudinal grille
- convector and grille can be ordered in various colour variants and combinations (please specify in your order)
- internal G3/4 thread on heat-exchanger, without water connection accessories

EXAMPLE OF ORDER CODE



DIMENSIONS

Orientation: L = left water connection / P = right water connection

Category	Orientation	Width [mm]	Height [mm]	Length [mm]	Type
KSSA	L / P	120	260	09=900 10=1000 12=1250 15=1500 17=1750 20=2000	21C4XA 1)
			360		21C4XD
			460		
		160	160		21C4XA 1)
			260		21C4XD
			360		41C4XA 1)
			460		41C4XD
			260		81C4XA 1)
		205	360		81C4XD
			460		
			260		61C4XA 1)
		230	360		61C4XD
			460		

1) A = convector ready for ELECTROTHERMIC HEAD inside or WITHOUT HEAD
D = convector ready for THERMOSTATIC HEAD outside at the front of convector.
CUSTOMER HEAD - must always be approved in advance!

COLOUR OPTIONS

Standard colour combinations:

Painted body		Anodized grille	
Code	Colour	Code	Colour
2A	silver	2A	silver
2B	light bronze	2B	light bronze
2C	dark bronze	2C	dark bronze
4A	black	4A	black
4B	white	2A	silver
4X	RAL*	4X	RAL*

* at an extra charge, after consultation

INDIVIDUAL CALCULATION
of technical data you can
find on our website.



HEATING OUTPUT

Convector			input / output water temperature [°C]	length L [mm]					
name	width [mm]	height [mm]		09=900	10=1000	12=1250	15=1500	17=1750	20=2000
				air temperature tA = 20°C					
SPB 120x260	120	260	85 / 75	636	721	933	1146	1358	1570
			75 / 65	492	558	722	886	1050	1214
			65 / 55	359	407	527	647	767	886
			45 / 40	160	181	234	287	341	394
SPB 120x360		360	85 / 75	726	822	1064	1306	1548	1790
			75 / 65	561	636	823	1010	1197	1384
			65 / 55	410	464	601	737	874	1010
			45 / 40	182	206	267	328	388	449
SPB 120x460		460	85 / 75	805	912	1180	1448	1716	1985
			75 / 65	622	705	913	1120	1327	1535
			65 / 55	454	515	666	818	969	1120
			45 / 40	202	229	296	363	431	498
SPB 160x160	160	160	85 / 75	457	518	670	823	975	1128
			75 / 65	360	408	528	648	768	888
			65 / 55	269	304	394	484	573	663
			45 / 40	126	143	185	227	270	312
SPB 160x260		260	85 / 75	986	1117	1445	1774	2103	2431
			75 / 65	762	864	1118	1372	1626	1880
			65 / 55	556	631	816	1002	1187	1372
			45 / 40	247	280	363	445	527	610
SPB 160x360		360	85 / 75	1123	1273	1648	2022	2397	2771
			75 / 65	869	985	1274	1564	1853	2143
			65 / 55	634	719	930	1142	1353	1565
			45 / 40	282	319	413	507	601	695
SPB 160x460	460	85 / 75	1246	1412	1827	2242	2657	3072	
		75 / 65	963	1092	1413	1734	2055	2376	
		65 / 55	703	797	1031	1266	1500	1735	
		45 / 40	312	354	458	562	667	771	
SPB 205x260	205	260	85 / 75	1274	1444	1869	2294	2719	3143
			75 / 65	985	1117	1445	1774	2102	2431
			65 / 55	719	815	1055	1295	1535	1775
			45 / 40	320	362	469	575	682	788
SPB 205x360		360	85 / 75	1451	1645	2128	2612	3096	3579
			75 / 65	1122	1272	1646	2020	2394	2768
			65 / 55	819	928	1201	1475	1748	2021
			45 / 40	364	412	534	655	776	898
SPB 205x460		460	85 / 75	1609	1824	2360	2896	3433	3969
			75 / 65	1244	1410	1825	2240	2655	3069
			65 / 55	908	1030	1332	1635	1938	2241
			45 / 40	404	457	592	726	861	996
SPB 230x260	230	260	85 / 75	1478	1675	2168	2661	3154	3647
			75 / 65	1143	1296	1677	2058	2439	2820
			65 / 55	835	946	1224	1502	1781	2059
			45 / 40	371	420	544	667	791	915
SPB 230x360		360	85 / 75	1685	1910	2472	3033	3595	4157
			75 / 65	1303	1477	1911	2346	2780	3215
			65 / 55	951	1078	1395	1713	2030	2347
			45 / 40	423	479	620	761	902	1043
SPB 230x460		460	85 / 75	1868	2117	2739	3362	3984	4607
			75 / 65	1444	1637	2118	2600	3081	3563
			65 / 55	1054	1195	1546	1898	2249	2601
			45 / 40	468	531	687	843	999	1156

CONNECTION OPTIONS AND ACCESSORIES

- connection **WITHOUT A HEAD**
- connection **WITH A THERMOSTATIC HEAD**
- connection **WITH AN ELECTROTHERMAL HEAD**
- connection **WITH A CUSTOMER HEAD** (after consultation)

The type of connection accessories varies according to the type and purpose of the convector. Connection accessories are packed separately and are not included in the standard convector delivery. Information on request from your sales representative or on our website.

The standard delivery includes convector, anchoring accessories and covering grille. All other accessories (connection accessories, control elements, etc.) must be ordered and specified separately.

The technical parameters are set according to the relevant standards. In fact, they may vary depending on the location of the convector, the cover grille, the connection type.

As a part of the product development, MINIB, a.s. reserves the right of construction and price adjustments.

The decorative convector grille must not be exposed to weight load or covered.

SKB



FREE-STANDING CONVECTOR WITH A FAN
FROM HIGH QUALITY STAINLESS STEEL



heating



with a fan



dry environment

NEW



CHARACTERISTICS

- **body made from high quality stainless steel**
- high forced convection output
- rapid room heating
- heating also when the fan is off
- low electricity consumption
- safe 12V DC voltage
- contains own microprocessor-controlled unit
- also suitable for heat pump
- electronically commutated (EC) motor
- simple installation
- convector and grille can be ordered in various colour variants and combinations (please specify in your order)
- internal G3/4 thread on heat-exchanger, without water connection accessories

EXAMPLE OF ORDER CODE



DIMENSIONS

Orientation: L = left water connection / P = right water connection

Category	Orientation	Width [mm]	Height [mm]	Length [mm]	Type
KSSD	L / P	120	260	09=900	41C4XA
		120	260	10=1000	41C4XA
		160	260	12=1250	41C4XA
		160	260	15=1500	41C4XA
KSSD	L / P	205	260	17=1750	81C4XA
		205	260	20=2000	81C4XA
		205	260	20=2000	81C4XA

COLOUR OPTIONS

Standard colour combinations:

Painted body		Anodized grille	
Code	Colour	Code	Colour
2A	silver	2A	silver
2B	light bronze	2B	light bronze
2C	dark bronze	2C	dark bronze
4A	black	4A	black
4B	white	2A	silver
4X	RAL*	4X	RAL*

* at an extra charge, after consultation

INDIVIDUAL CALCULATION
of technical data you can
find on our website.



HEATING OUTPUT

Convector			input / output water temperature [°C]	fan speed	length L [mm]					
name	width [mm]	height [mm]			09=900	10=1000	12=1250	15=1500	17=1750	20=2000
					air temperature tA = 20°C					
SKB 120x260	120	260	85 / 75	0	260	302	408	515	621	727
				1	890	1036	1401	1766	2131	2495
				2	1625	1891	2557	3223	3888	4554
				3	2173	2530	3421	4311	5202	6093
			75 / 65	0	215	250	338	426	514	602
				1	737	857	1159	1461	1763	2065
				2	1345	1565	2116	2667	3218	3769
				3	1799	2094	2831	3568	4305	5043
			65 / 55	0	170	198	268	338	408	478
				1	584	680	920	1159	1399	1638
				2	1067	1241	1679	2116	2553	2990
				3	1427	1661	2246	2830	3415	4000
			45 / 40	0	94	109	148	186	224	263
				1	322	374	506	638	770	902
				2	587	683	924	1164	1405	1646
				3	785	914	1236	1558	1880	2202
SKB 160x260	160	260	85 / 75	0	300	349	472	596	719	842
				1	1776	2067	2794	3522	4250	4977
				2	2595	3020	4084	5147	6211	7274
				3	3278	3816	5159	6503	7846	9190
			75 / 65	0	249	290	392	494	596	698
				1	1473	1715	2319	2923	3527	4131
				2	2153	2507	3389	4272	5154	6037
				3	2721	3166	4281	5396	6511	7626
			65 / 55	0	198	231	312	393	475	556
				1	1173	1365	1846	2326	2807	3288
				2	1714	1995	2697	3400	4102	4805
				3	2165	2520	3408	4295	5183	6070
			45 / 40	0	110	128	173	218	263	309
				1	651	758	1025	1291	1558	1825
				2	952	1107	1497	1887	2277	2667
				3	1202	1399	1892	2384	2877	3370
SKB 205x260	205	260	85 / 75	0	519	604	817	1030	1242	1455
				1	1602	1865	2522	3178	3835	4492
				2	2924	3404	4602	5801	6999	8198
				3	3912	4554	6157	7760	9364	10967
			75 / 65	0	430	500	676	852	1028	1204
				1	1326	1543	2087	2630	3174	3717
				2	2420	2817	3809	4801	5793	6784
				3	3238	3769	5096	6423	7750	9077
			65 / 55	0	341	397	536	676	816	955
				1	1052	1224	1656	2087	2518	2949
				2	1920	2235	3021	3808	4595	5382
				3	2569	2990	4042	5095	6148	7200
			45 / 40	0	188	218	295	372	449	526
				1	579	674	911	1148	1386	1623
				2	1057	1230	1663	2096	2529	2962
				3	1414	1645	2225	2804	3384	3963

INPUT POWER



length L [mm]	SKB 120x260	SKB 160x260 SKB 205x260
900	4,5	6
1000	5	7
1250	8	8
1500	9	11
1750	11	14
2000	12,5	16

REGULATION OPTIONS

Type of regulation	Control	Switched sources
EB-A ¹⁾ manual	potentiometer ²⁾	in mounting box: PSB 55W PSB 90W
	potentiometer + thermostat	
	customer thermostat for 24V or 230V + ADA converter	
	BMS superior system	
EB-B automatic	thermostat CH-110	for DIN rail: PSD 55W PSD 90W PSD 115W
	thermostat CH-150	
	customer thermostat for 24V or 230V + ADA converter	
	thermostat TH 0482	
EB-C semi-automatic	customer thermostat for 24V or 230V + ADA converter	

IT IS POSSIBLE TO USE YOUR OWN REGULATION.

1) it is necessary to reset the control unit-EB-block (by default it is set to EB-B / EB-C)

2) external potential-free switching, e.g. via a boiler

ACOUSTIC PRESSURE

length L [mm]	SKB 120x260			SKB 160x260 SKB 205x260		
	Speed			Speed		
	speed 1	speed 2	speed 3	speed 1	speed 2	speed 3
Equivalent acoustic pressure level LAeq,2m [dB]						
900	<29	32,1	38,6	25,6	36,4	47,1
1000	<29	32,5	39,0	26,1	36,8	47,5
1250	<29	33,5	40,0	27,4	37,8	48,5
1500	<29	34,5	41,0	28,7	38,8	49,5
1750	<29	35,0	41,7	29,1	39,3	50,2
2000	<29	35,5	42,3	29,5	39,8	50,8

measurement at a distance of 2m from the noise source at 1m height

CONNECTION OPTIONS AND ACCESSORIES

- connection **WITHOUT A HEAD**
- connection **WITH AN ELECTROTHERMAL HEAD**
- connection **WITH A CUSTOMER HEAD** (after consultation)

The type of connection accessories varies according to the type and purpose of the convector. Connection accessories are packed separately and are not included in the standard convector delivery. Information on request from your sales representative or on our website.

The standard delivery includes convector, anchoring accessories and covering grille. All other accessories (connection accessories, control elements, etc.) must be ordered and specified separately.

The technical parameters are set according to the relevant standards. In fact, they may vary depending on the location of the convector, the cover grille, the connection type.

As a part of the product development, MINIB, a.s. reserves the right of construction and price adjustments.

The decorative convector grille must not be exposed to weight load or covered.