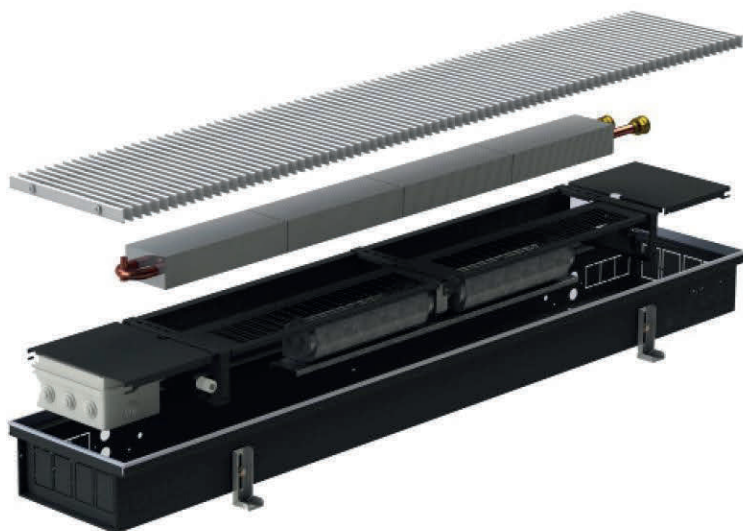




Forced convection floor convectors type PKF

- Floor convectors with forced convection are particularly suitable for primary or secondary heating of rooms, where faster heating and large heating capacities are required

Application

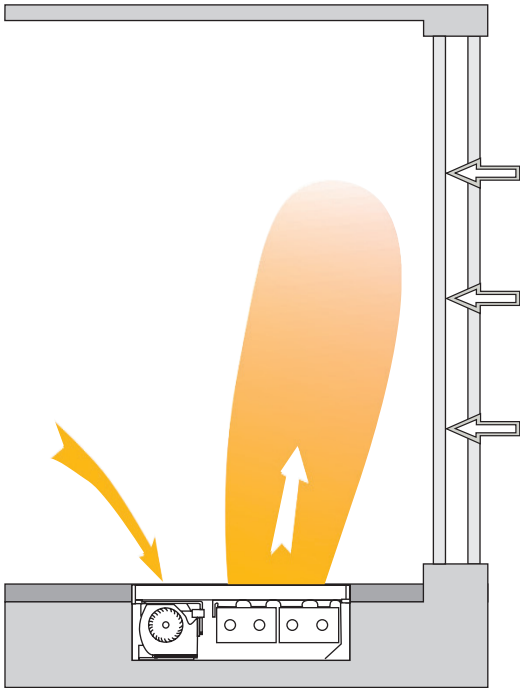
- They are suitable for application in all rooms with envelope walls exposed to low exterior temperatures (large windows or glass walls, cold walls,...), as the occupancy comfort in a room depends on the uniform distribution of heat in the room
- They are used for prevention of condensation on glass surfaces, reduction of the convection effect from cold surfaces, and prevention of inlet of cold outside air through doors
- Floor convectors with forced convection feature low noise level during low fan speeds

Working principle

- Forced convection floor convectors apply the principle of forced air circulation, maintained both by means of a tangential fan and by natural convection. Cold air enters into the floor convector, warms in the heat exchanger and rises into the room. Increased volume flow rate contributes to uniform distribution of heat in the room and improved occupancy comfort

Range

- PKF floor convectors are available in lengths from 1000 mm to 3000 mm, in three widths of 250 mm, 340 mm and 440 mm, and in two heights of 110 mm and 140 mm
- Heating capacity range 57 to 7360 kW
- Three level fan speed is available



				Technical data															
Temperature				75°C / 65°C, air temperature 20°C															
Housing length [mm]	Heat exchanger length [mm]	Number of fans		TK-XXXx20x10/X								TK-XXXx30x10/X				TK-XXXx40x10/X			
				STOP	MIN	MED	MAX	STOP	MIN	MED	MAX	STOP	MIN	MED	MAX				
1100	700	1	Heating capacity [W]	125	520	694	972	218	763	1005	1477	299	961	1297	1810				
			Water flow [kg/h]	10.7	44.6	59.5	83.3	18.7	65.5	86.2	126.7	25.7	82.4	111.2	155.2				
1200	800	1	Heating capacity [W]	146	542	716	993	255	800	1041	1514	347	1009	1345	1858				
			Water flow [kg/h]	12.6	46.5	61.4	85.2	21.9	68.6	89.3	129.8	29.8	86.5	115.3	159.3				
1300	900	1	Heating capacity [W]	168	564	738	1015	291	836	1078	1550	395	1057	1393	1906				
			Water flow [kg/h]	14.5	48.4	63.3	87.1	25.0	71.7	92.4	132.9	33.9	90.6	119.4	163.4				
1400	1000	1	Heating capacity [W]	190	585	759	1037	328	873	1114	1586	443	1105	1441	1953				
			Water flow [kg/h]	16.3	50.2	65.1	88.9	28.1	74.8	95.5	136.0	38.0	94.8	123.5	167.5				
1500	1100	1	Heating capacity [W]	212	607	781	1059	364	909	1151	1623	491	1153	1489	2003				
			Water flow [kg/h]	18.2	52.1	67.0	90.8	31.2	78.0	98.7	139.2	42.1	98.9	127.6	171.6				
1600	1200	1	Heating capacity [W]	233	629	803	1080	400	945	1187	1659	539	1201	1537	2049				
			Water flow [kg/h]	20.1	53.9	68.9	92.7	34.4	81.1	101.8	142.3	46.2	103.0	131.8	175.7				
1700	1300	2	Heating capacity [W]	228	1019	1367	1922	400	1490	1974	2918	551	1875	2547	3572				
			Water flow [kg/h]	19.6	87.4	117.2	164.8	34.3	127.8	169.2	250.2	47.3	160.8	218.3	306.2				
1800	1400	2	Heating capacity [W]	250	1041	1389	1944	437	1527	2010	2955	599	1923	2594	3620				
			Water flow [kg/h]	21.5	89.2	119.1	166.7	37.5	130.9	172.3	253.3	51.4	164.9	222.4	310.3				
1900	1500	2	Heating capacity [W]	272	1062	1411	1966	473	1563	2047	2991	647	1971	2642	3668				
			Water flow [kg/h]	23.3	91.1	121.0	168.5	40.6	134.0	175.5	256.4	55.5	169.0	226.5	314.4				
2000	1600	2	Heating capacity [W]	293	1084	1432	1987	510	1600	2083	3028	695	2019	2690	3716				
			Water flow [kg/h]	25.2	93.0	122.8	170.4	43.7	137.2	178.6	259.6	59.6	173.1	230.6	318.5				
2100	1700	2	Heating capacity [W]	315	1106	1454	2009	546	1636	2119	3064	743	2067	2738	3764				
			Water flow [kg/h]	27.0	94.8	124.7	172.3	46.9	140.3	181.7	262.7	63.7	177.2	234.8	322.6				
2200	1800	2	Heating capacity [W]	337	1128	1476	2031	583	1673	2156	3101	790	2115	2786	3812				
			Water flow [kg/h]	28.9	96.7	126.6	174.1	50.0	143.4	184.8	265.8	67.8	181.3	238.9	326.7				
2300	1900	2	Heating capacity [W]	359	1150	1498	2053	619	1709	2192	3137	838	2163	2834	3859				
			Water flow [kg/h]	30.8	98.6	128.4	176.0	53.1	146.5	188.0	268.9	71.9	185.4	243.0	330.9				
2400	2000	2	Heating capacity [W]	380	1171	1519	2074	656	1746	2229	3173	886	2210	2882	3907				
			Water flow [kg/h]	32.6	100.4	130.3	177.9	56.2	149.7	191.1	272.1	76.0	189.5	247.1	335.0				
2500	2100	2	Heating capacity [W]	402	1193	1541	2096	692	1782	2265	3210	934	2258	2930	3955				
			Water flow [kg/h]	34.5	102.3	132.2	179.7	59.4	152.8	194.2	275.2	80.1	193.6	251.2	339.1				
2600	2200	2	Heating capacity [W]	424	1215	1563	2118	729	1818	2302	3246	982	2306	2978	4003				
			Water flow [kg/h]	36.4	104.2	134.0	181.6	62.5	155.9	197.3	278.3	84.2	197.7	255.3	343.2				
2700	2300	2	Heating capacity [W]	446	1237	1585	2140	765	1855	2338	3283	1030	2354	3026	4051				
			Water flow [kg/h]	38.2	106.0	135.9	183.4	65.6	159.0	200.5	281.4	88.3	201.8	259.4	347.3				
2800	2400	2	Heating capacity [W]	467	1258	1607	2161	801	1891	2375	3319	1078	2402	3074	4099				
			Water flow [kg/h]	40.1	107.9	137.7	185.3	68.7	162.2	203.6	284.6	92.4	205.9	263.5	351.4				
2900	2500	2	Heating capacity [W]	489	1280	1628	2183	838	1928	2411	3356	1126	2450	3122	4147				
			Water flow [kg/h]	42.0	109.8	139.6	187.2	71.9	165.3	206.7	287.7	96.6	210.1	267.6	355.5				
3000	2600	2	Heating capacity [W]	511	1302	1650	2205	874	1964	2448	3392	1174	2498	3170	4195				
			Water flow [kg/h]	43.8	111.6	141.5	189.0	75.0	168.4	209.8	290.8	100.7	214.2	271.7	359.6				
3200	2800	2	Heating capacity [W]	554	1345	1694	2249	947	2037	2520	3465	1270	2594	3266	4291				
			Water flow [kg/h]	47.6	115.4	145.2	192.8	81.2	174.7	216.1	297.1	108.9	222.4	279.9	367.8				
3400	3000	2	Heating capacity [W]	598	1389	1737	2292	1020	2110	2593	3538	1366	2690	3361	4387				
			Water flow [kg/h]	51.3	119.1	148.9	196.5	87.5	180.9	222.3	303.3	117.1	230.6	288.2	376.1				
3600	3200	2	Heating capacity [W]	642	1432	1781	2336	1093	2183	2666	3611	1462	2786	3457	4483				
			Water flow [kg/h]	55.0	122.8	152.7	200.2	93.7	187.2	228.6	309.5	125.3	238.8	296.4	384.3				
3800	3400	2	Heating capacity [W]	685	1476	1824	2379	1166	2256	2739	3684	1557	2882	3553	4578				
			Water flow [kg/h]	58.8	126.6	156.4	204.0	100.0	193.4	234.8	315.8	133.5	247.0	304.6	392.5				
4000	3600	2	Heating capacity [W]	729	1519	1868	2423	1239	2329	2812	3757	1653	2977	3649	4674				
			Water flow [kg/h]	62.5	130.3	160.1	207.7	106.2	199.7	241.1	322.0	141.8	255.3	312.8	400.7				
4200	3800	2	Heating capacity [W]	772	1563	1911	2466	1312	2402	2885	3830	1749	3073	3745	4770				
			Water flow [kg/h]	66.2	134.0	163.9	211.4	112.5	205.9	247.3	328.3	150.0	263.5	321.0	408.9				
4400	4000	2	Heating capacity [W]	816	1607	1955	2510	1385	2475	2958	3903	1845	3169	3841	4866				
			Water flow [kg/h]	70.0	137.7	167.6	215.2	118.7	212.2	253.6	334.5	158.2	271.7	329.3	417.1				
4600	4200	2	Heating capacity [W]	859	1650	1998	2553	1458	2548	3031	3975	1941	3265	3937	4962				
			Water flow [kg/h]	73.7	141.5	171.3	218.9	125.0	218.4	259.8	340.8	166.4	279.9	337.5	425.4				
4800	4400	2	Heating capacity [W]	903	1694	2042	2597	1530	2620	3104	4048	2037	3361	4033	5058				
			Water flow [kg/h]	77.4	145.2	175.1	222.6	131.2	224.7	266.1	347.0	174.6	288.1	345.7	433.6				
5000	4600	2	Heating capacity [W]	946	1737	2085	2640	1603	2693	3177	4121	2133	3457	4128	5154				
			Water flow [kg/h]	81.1	148.9	178.8	226.4	137.5	230.9	272.3	353.3	182.8	296.3	353.9	441.8				

Temperature			Technical data												
Housing length [mm]	Heat exchanger length [mm]	Number of fans		TK-XXXx20x14/X				75°C / 65°C / 20°C				TK-XXXx40x14/X			
				STOP	MIN	MED	MAX	STOP	MIN	MED	MAX	STOP	MIN	MED	MAX
1100	700	1	Heating capacity [W]	146	623	898	1340	258	846	1171	1737	382	940	1295	1958
			Water flow [kg/h]	12.6	53.4	77.0	114.9	22.2	72.5	100.4	149.0	32.8	80.6	111.1	167.8
1200	800	1	Heating capacity [W]	172	648	923	1365	301	889	1214	1780	443	1001	1357	2019
			Water flow [kg/h]	148	55.6	79.2	117.1	25.9	76.2	104.1	152.7	38.0	85.9	116.3	173.1
1300	900	1	Heating capacity [W]	197	674	949	1391	344	932	1257	1824	505	1063	1418	2080
			Water flow [kg/h]	16.9	57.8	81.4	119.3	29.6	79.9	107.8	156.4	43.3	91.1	121.6	178.3
1400	1000	1	Heating capacity [W]	223	699	974	1416	388	975	1301	1867	566	1124	1479	2141
			Water flow [kg/h]	19.1	60.0	83.6	121.4	33.3	83.6	111.5	160.0	48.5	96.4	126.8	183.6
1500	1100	1	Heating capacity [W]	248	725	1000	1442	431	1018	1344	1910	627	1185	1540	2202
			Water flow [kg/h]	21.3	62.2	85.7	123.6	37.0	87.3	115.2	163.7	53.8	101.6	132.1	188.8
1600	1200	1	Heating capacity [W]	274	750	1025	1467	474	1061	1387	1953	688	1246	1602	2264
			Water flow [kg/h]	23.5	64.4	87.9	125.8	40.7	91.0	118.9	167.4	59.0	106.9	137.3	194.1
1700	1300	2	Heating capacity [W]	267	1221	1771	2655	474	1649	2300	3432	704	1819	2530	3854
			Water flow [kg/h]	23.0	104.7	151.8	227.6	40.7	141.4	197.2	294.2	60.4	156.0	216.9	330.4
1800	1400	2	Heating capacity [W]	293	1246	1796	2680	517	1692	2343	3475	765	1881	2591	3916
			Water flow [kg/h]	25.1	106.8	154.0	229.8	44.4	145.0	200.9	297.9	65.6	161.2	222.2	335.7
1900	1500	2	Heating capacity [W]	318	1272	1822	2706	560	1735	2386	3518	826	1942	2653	3977
			Water flow [kg/h]	27.3	109.0	156.2	232.0	48.0	148.7	204.6	301.6	70.8	166.5	227.4	340.9
2000	1600	2	Heating capacity [W]	344	1297	1847	2731	603	1778	2429	3561	887	2003	2714	4038
			Water flow [kg/h]	29.5	111.2	158.4	234.1	51.7	152.4	208.2	305.3	76.1	171.7	232.7	346.2
2100	1700	2	Heating capacity [W]	369	1323	1873	2757	646	1821	2472	3605	949	2064	2775	4099
			Water flow [kg/h]	31.7	113.4	160.6	236.3	55.4	156.1	211.9	309.0	81.3	177.0	237.9	351.4
2200	1800	2	Heating capacity [W]	395	1348	1898	2782	689	1864	2515	3648	1010	2126	2836	4161
			Water flow [kg/h]	33.9	115.6	162.7	238.5	59.1	159.8	215.6	312.7	86.6	182.2	243.2	356.7
2300	1900	2	Heating capacity [W]	420	1374	1924	2808	733	1907	2558	3691	1071	2187	2898	422
			Water flow [kg/h]	36.1	117.8	164.9	240.7	62.8	163.5	219.3	316.4	91.8	187.5	248.4	361.9
2400	2000	2	Heating capacity [W]	446	1399	1949	2833	776	1950	2602	3734	1132	2248	2959	4283
			Water flow [kg/h]	38.3	120.0	167.1	242.9	66.5	167.2	223.0	320.1	97.1	192.7	253.7	367.2
2500	2100	2	Heating capacity [W]	471	1425	1975	2859	819	1994	2645	3777	1193	2309	3020	4344
			Water flow [kg/h]	40.4	122.1	169.3	245.1	70.2	170.9	226.7	323.8	102.3	198.0	258.9	372.4
2600	2200	2	Heating capacity [W]	497	1450	2000	2884	862	2037	2688	3820	1255	2371	3081	4405
			Water flow [kg/h]	42.6	124.3	171.5	247.3	73.9	174.6	230.4	327.5	107.6	203.2	264.1	377.6
2700	2300	2	Heating capacity [W]	522	1476	2026	2910	905	2080	2731	3863	1316	2432	3142	4467
			Water flow [kg/h]	44.8	126.5	173.7	249.4	77.6	178.3	234.1	331.2	112.8	208.5	269.4	382.9
2800	2400	2	Heating capacity [W]	548	1501	2051	2935	948	2123	2774	3906	1377	2493	3204	4528
			Water flow [kg/h]	47.0	128.7	175.9	251.6	81.3	182.0	237.8	334.9	118.1	213.7	274.6	388.1
2900	2500	2	Heating capacity [W]	573	1527	2077	2961	991	2166	2817	3950	1438	2554	3265	4589
			Water flow [kg/h]	49.2	130.9	178.0	253.8	85.0	185.7	241.5	338.6	123.3	219.0	279.9	393.4
3000	2600	2	Heating capacity [W]	599	1552	2102	2986	1034	2209	2860	3993	1500	2615	3326	4650
			Water flow [kg/h]	51.4	133.1	180.2	256.0	88.7	189.4	245.2	342.3	128.6	224.2	285.1	398.6
3200	2800	2	Heating capacity [W]	650	1603	2153	3037	1121	2295	2946	4079	1622	2738	3449	4773
			Water flow [kg/h]	55.7	137.5	184.6	260.4	96.1	196.8	252.6	349.7	139.1	234.7	295.6	409.1
3400	3000	2	Heating capacity [W]	701	1654	2204	3088	1207	2382	3033	4165	1744	2860	3571	4895
			Water flow [kg/h]	60.1	141.8	189.0	264.8	103.5	204.2	260.0	357.1	149.6	245.2	306.1	419.6
3600	3200	2	Heating capacity [W]	752	1705	2255	3139	1293	2468	3119	4251	1867	2983	3693	5018
			Water flow [kg/h]	64.5	146.2	193.3	269.1	110.9	211.6	267.4	364.4	160.1	255.7	316.6	430.1
3800	3400	2	Heating capacity [W]	803	1756	2306	3190	1379	2554	3205	4338	1989	3105	3816	5140
			Water flow [kg/h]	68.9	150.6	197.7	273.5	118.3	219.0	274.8	371.8	170.6	266.2	327.1	440.6
4000	3600	2	Heating capacity [W]	854	1807	2357	3241	1466	2640	3291	4424	2112	3228	3938	5263
			Water flow [kg/h]	73.2	154.9	202.1	277.9	125.7	226.4	282.2	379.2	181.1	276.7	337.6	451.1
4200	3800	2	Heating capacity [W]	905	1858	2408	3292	1552	2727	3378	4510	2234	3350	4061	5385
			Water flow [kg/h]	77.6	159.3	206.5	282.2	133.1	233.8	289.6	386.6	191.5	287.2	348.1	461.6
4400	4000	2	Heating capacity [W]	956	1909	2459	3343	1638	2813	3464	4596	2357	3473	4183	5507
			Water flow [kg/h]	82.0	163.7	210.8	286.6	140.4	241.1	296.9	394.0	202.0	297.7	358.6	472.1
4600	4200	2	Heating capacity [W]	1007	1960	2510	3394	1724	2899	3550	4683	2479	3595	4306	5630
			Water flow [kg/h]	86.4	168.1	215.2	291.0	147.8	248.5	304.3	401.4	212.5	308.2	369.1	482.6
4800	4400	2	Heating capacity [W]	1058	2011	2561	3445	1810	2985	3636	4769	2602	3717	4428	5752
			Water flow [kg/h]	90.7	172.4	219.6	295.4	155.2	255.9	311.7	408.8	223.0	318.7	379.6	493.1
5000	4600	2	Heating capacity [W]	1109	2062	2612	3496	1897	3072	3723	4855	2724	3840	4551	5875
			Water flow [kg/h]	95.1	176.8	224.0	299.7	162.6	263.3	319.1	416.2	233.5	329.2	390.1	503.6

Notes

- XXX = convector depth