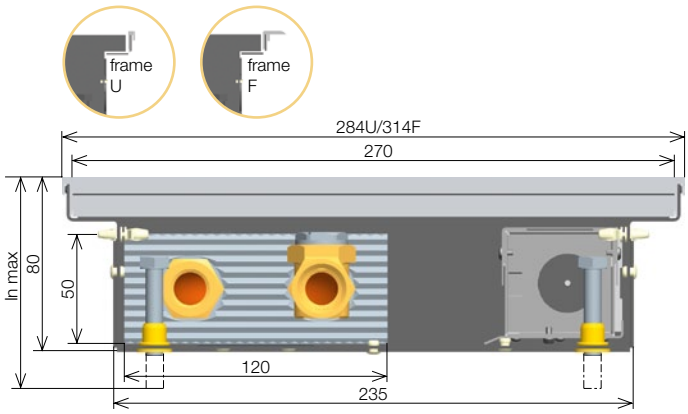
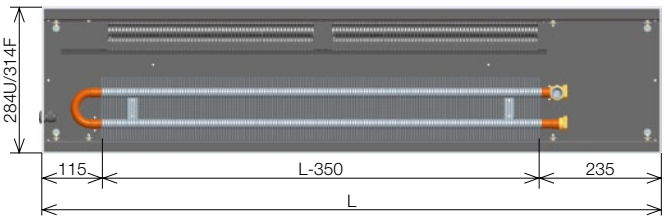
Floor convector with forced convection
Licon PKOC 7/28

- convector with the lowest construction height
- used for heating
- quietest operation at low speed
- possibility of control through BMS (Building Management System)
- can be ordered in Economic, Exclusive or Inox versions
- the convector is intended for dry environment



The given dimensions are in mm and with the frames U and F.



Specifications

width including the U/F type frame *(mm)*	284U/314F
floor case width *(mm)*	235
grid width *(mm)*	270
max. adjustable height *(V max. mm)*	80 - 107
case height *(mm)*	80
lengths *(L cm)*	800 - 2 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	120
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	30
connection to the heating system	2 × G 1/2" inner
case material	galv. steel, stainless steel AISI 304

Version Economic • black coated zinc galvanised steel, heat exchanger without any surface finishes
Version Exclusive • black coated zinc galvanised steel case, black coated exchanger *
Inox version • stainless steel unpainted case AISI 304, unpainted exchanger (for dry environment only)*,
** custom design*

Specification

Width	cm	28																									
Depth	cm	7																									
Total length	cm	80				120				160				200				240				280					
Noisiness - sound pressure 1m	dB(A)	0	13.2	23	31.1	0	13.4	23.1	31.6	0	13.8	23.7	31.8	0	14.7	26	32.8	0	15	26.5	33	0	15.1	26.7	33.1		
Power input:	W/V	3 / 13.5				5.5 / 13.5				7.5 / 13.5				10 / 13.5				13 / 13.5				15 / 13.5					
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3		
Heat output	t1 °C	Heat output [W] / EN 442																									
90/70 °C	20	169	430	509	737	245	812	962	1392	281	1190	1415	2047	370	1576	1867	2703	436	1958	2320	3358	503	2340	2772	4013		
75/65 °C	18	144	366	434	628	209	692	820	1187	239	1015	1206	1745	316	1343	1591	2304	372	1669	1977	2862	428	1994	2363	3420		
	20	**138**	**351**	**415**	**601**	**200**	**662**	**785**	**1136**	**229**	**971**	**1154**	**1670**	**302**	**1285**	**1523**	**2204**	**356**	**1597**	**1892**	**2739**	**410**	**1909**	**2261**	**3273**		
	22	132	335	397	574	191	632	749	1084	219	927	1102	1595	288	1228	1454	2105	340	1525	1807	2616	392	1823	2160	3126		
70/55 °C	18	120	304	360	521	173	574	680	985	199	842	1001	1448	262	1114	1320	1911	309	1385	1640	2375	355	1655	1961	2838		
	20	114	289	342	495	165	545	646	935	188	799	950	1374	249	1058	1253	1814	293	1314	1557	2254	337	1571	1861	2694		
	22	108	273	324	469	156	516	612	886	179	757	900	1303	236	1003	1188	1719	278	1246	1476	2136	320	1489	1764	2553		
55/45 °C	18	84	213	253	366	122	403	477	690	139	590	702	1015	184	781	926	1340	216	971	1150	1665	249	1160	1375	1990		
	20	78	198	235	340	113	375	444	643	130	550	653	945	171	728	862	1248	201	904	1071	1550	232	1080	1280	1853		
	22	72	184	218	315	105	347	411	595	120	509	605	875	158	674	798	1155	187	837	991	1435	215	1000	1185	1715		
50/40 °C	18	69	176	209	302	101	333	395	571	115	488	580	840	152	647	766	1109	179	803	952	1378	206	960	1137	1646		
	20	64	162	191	277	92	305	362	524	106	448	532	770	139	593	702	1016	164	736	872	1263	189	880	1042	1509		
	22	58	147	174	253	84	278	330	477	96	408	485	701	127	540	640	926	150	671	795	1150	172	802	950	1375		
45/35 °C	18	55	140	166	240	80	265	314	454	92	388	462	668	121	514	609	882	142	639	757	1096	164	763	905	1309		
	20	50	126	150	216	72	238	282	409	82	350	415	601	109	463	548	794	128	575	681	986	148	687	814	1178		
	22	44	112	133	192	64	212	251	363	73	311	369	534	97	411	487	705	114	511	605	876	131	611	724	1047		

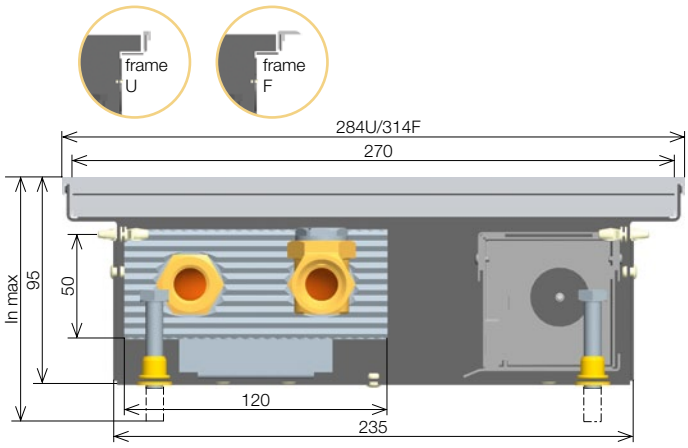
- temperature exponent m = 1.1159

Correction factor page 54 • Assembly page 68 • Regulation page 80 • Floor grids page 18

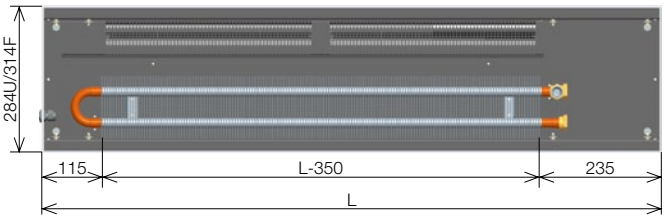
Floor convector with forced convection
Licon PKOC 9/28

OPTIMIZED CONVECTION

- used for heating
- heats with the fan off as well
- high heat output at a small construction depth
- possibility of control through BMS (Building Management System)
- can be ordered in Economic, Exclusive or Inox versions
- the convector is intended for dry environment



The given dimensions are in mm and with the frames U and F.



Specifications

width including the U/F type frame *(mm)*	284U/314F
floor case width *(mm)*	235
grid width *(mm)*	270
max. adjustable height *(V max. mm)*	95 - 122
case height *(mm)*	95
lengths *(L cm)*	800 - 2 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	120
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	40
connection to the heating system	2 x G 1/2" inner
case material	galv. steel, stainless steel AISI 304

Version Economic • black coated zinc galvanised steel, heat exchanger without any surface finishes
Version Exclusive • black coated zinc galvanised steel case, black coated exchanger *
Inox version • stainless steel unpainted case AISI 304, unpainted exchanger (for dry environment only)*

** custom design*

Specification

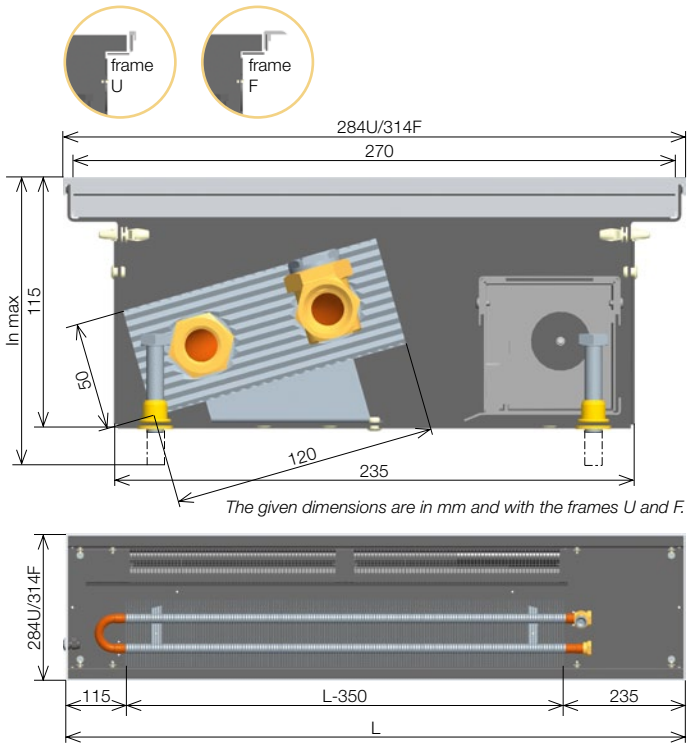
Width	*cm*	28																								
Depth	*cm*	9																								
Total length	*cm*	80				120				160				200				240				280				
Noisiness - sound pressure 1m	*dB(A)*	0	16.1	23.6	30.5	0	16.4	21.1	30.9	0	16.7	24.4	31.1	0	17.2	25	31.4	0	17.4	25.1	31.7	0	17.7	25.3	31.7	
Power input:	*W/V*	5.5 / 13.5				11 / 13.5				12 / 13.5				20 / 13.5				22.5 / 13.5				23.5 / 13.5				
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	
Heat output	*t1 °C*	Heat output [W] / EN 442																								
90/70 °C	20	177	570	766	957	257	1077	1447	1807	321	1584	2128	2658	389	2091	2809	3508	457	2598	3490	4359	525	3105	4171	5209	
75/65 °C	18	151	487	654	817	219	920	1236	1544	275	1353	1818	2271	332	1786	2400	2997	390	2219	2981	3724	449	2652	3563	4451	
	20	**145**	**467**	**627**	**783**	**210**	**881**	**1184**	**1479**	**263**	**1296**	**1741**	**2175**	**318**	**1711**	**2298**	**2871**	**374**	**2126**	**2856**	**3567**	**430**	**2541**	**3413**	**4263**	
	22	139	446	599	749	201	843	1132	1414	251	1239	1664	2079	304	1636	2197	2745	358	2032	2730	3410	411	2429	3263	4075	
70/55 °C	18	126	406	545	680	182	766	1029	1285	229	1126	1513	1890	276	1487	1997	2495	325	1847	2482	3100	374	2208	2966	3705	
	20	120	385	518	647	173	728	978	1222	217	1070	1438	1797	263	1413	1899	2371	309	1756	2359	2946	355	2099	2819	3521	
	22	117	375	504	630	169	709	952	1189	211	1042	1400	1749	256	1376	1848	2308	301	1709	2296	2868	346	2043	2744	3427	
55/45 °C	18	89	286	384	479	129	539	725	905	161	793	1065	1331	195	1047	1407	1757	229	1301	1748	2183	263	1555	2089	2609	
	20	83	266	357	446	120	502	675	843	150	739	992	1240	181	975	1310	1636	213	1212	1628	2033	245	1448	1945	2430	
	22	77	247	332	414	111	466	626	782	139	686	921	1151	168	905	1216	1519	198	1125	1511	1887	227	1344	1805	2255	
50/40 °C	18	74	237	318	398	107	448	601	751	134	658	884	1105	162	869	1168	1458	190	1080	1451	1812	218	1291	1734	2166	
	20	68	218	293	366	98	412	553	691	123	605	813	1016	149	799	1073	1341	175	993	1334	1666	201	1186	1594	1991	
	22	62	199	267	334	89	375	504	630	112	552	742	927	135	729	979	1223	159	906	1217	1520	183	1082	1454	1816	
45/35 °C	18	59	189	254	317	85	357	480	599	107	525	705	881	129	693	931	1163	151	861	1157	1445	174	1029	1382	1727	
	20	53	170	229	286	77	322	432	540	96	473	635	794	116	625	839	1048	137	776	1042	1302	157	927	1246	1556	
	22	47	152	204	254	68	286	385	481	85	421	566	707	103	556	747	933	122	691	928	1159	140	826	1109	1385	

• temperature exponent m = 1.0996

Correction factor page 54 • Assembly page 68 • Regulation page 80 • Floor grids page 18

Floor convector with forced convection
Licon PKOC 11/28 (the best selling type)

- used for heating
- heats with the fan off as well
- achieves high heating performances
- low noise even in max. rpm
- possibility of control through BMS (Building Management System)
- can be ordered in Economic, Exclusive or Inox versions
- the convector is intended for dry environment



The given dimensions are in mm and with the frames U and F.

Specifications

width including the U/F type frame *(mm)*	284U/314F
floor case width *(mm)*	235
grid width *(mm)*	270
max. adjustable height *(V max. mm)*	115 - 142
case height *(mm)*	115
lengths *(L cm)*	800 - 2 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	120
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	40
connection to the heating system	2 x G 1/2" inner
case material	galv. steel, stainless steel AISI 304

Version Economic • black coated zinc galvanised steel, heat exchanger without any surface finishes
Version Exclusive • black coated zinc galvanised steel case, black coated exchanger *
Inox version • stainless steel unpainted case AISI 304, unpainted exchanger (for dry environment only)*

** custom design*

Specification

Width	*cm*	28																									
Depth	*cm*	11																									
Total length	*cm*	80				120				160				200				240				280					
Noisiness - sound pressure 1m	*dB(A)*	0	16.1	23.6	30.5	0	16.4	24.1	30.9	0	16.7	24.4	31.1	0	17.2	25	31.4	0	17.4	25.1	31.7	0	17.7	25.3	31.7		
Power input:	*W/V*	5.5 / 13.5				11 / 13.5				12 / 13.5				20 / 13.5				22.5 / 13.5				23.5 / 13.5					
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3		
Heat output	*t1 °C*	Heat output [W] / EN 442																									
90/70 °C	20	203	657	867	1070	364	1241	1638	2020	525	1826	2409	2861	687	2409	3180	3922	848	2994	3951	4872	1009	3578	4721	5823		
75/65 °C	18	173	561	741	914	311	1060	1399	1726	449	1560	2058	2444	587	2059	2717	3350	725	2558	3375	4163	862	3057	4034	4975		
	20	**166**	**538**	**710**	**875**	**298**	**1016**	**1340**	**1653**	**430**	**1494**	**1971**	**2341**	**562**	**1972**	**2602**	**3209**	**694**	**2450**	**3233**	**3987**	**826**	**2928**	**3864**	**4765**		
	22	159	514	678	837	285	971	1281	1581	411	1428	1884	2238	537	1885	2488	3068	663	2342	3091	3812	790	2799	3694	4556		
70/55 °C	18	144	467	617	761	259	883	1165	1437	374	1298	1713	2034	488	1713	2261	2789	603	2129	2809	3465	718	2544	3358	4141		
	20	137	444	585	722	246	838	1106	1364	355	1233	1626	1931	464	1627	2147	2648	573	2021	2667	3289	681	2415	3188	3931		
	22	130	421	555	684	233	794	1048	1293	336	1168	1541	1831	439	1542	2035	2510	543	1916	2528	3118	646	2290	3021	3726		
55/45 °C	18	102	329	434	536	182	622	820	1012	263	914	1206	1433	344	1207	1592	1964	425	1499	1979	2440	506	1792	2365	2916		
	20	95	307	405	499	170	579	764	942	245	852	1123	1334	320	1124	1483	1829	396	1396	1843	2273	471	1669	2202	2716		
	22	88	284	375	462	157	536	708	873	227	789	1041	1236	297	1041	1374	1694	366	1293	1707	2105	436	1546	2040	2516		
50/40 °C	18	84	273	361	445	151	516	681	840	218	759	1001	1189	285	1002	1322	1630	353	1244	1642	2026	420	1487	1963	2421		
	20	78	251	331	409	139	474	626	772	201	698	920	1093	262	921	1215	1499	324	1144	1510	1862	386	1367	1804	2225		
	22	71	229	302	373	127	433	571	704	183	636	840	997	239	840	1108	1367	296	1044	1377	1699	352	1247	1646	2030		
45/35 °C	18	67	218	287	354	121	411	543	670	174	605	798	948	228	799	1054	1300	281	992	1309	1615	335	1186	1565	1930		
	20	61	196	259	319	109	371	489	603	157	545	719	854	205	720	950	1171	253	894	1180	1455	301	1069	1410	1739		
	22	54	175	231	284	97	330	436	537	140	486	641	761	183	641	846	1043	226	796	1051	1296	268	952	1256	1549		

- temperature exponent m = 1.1

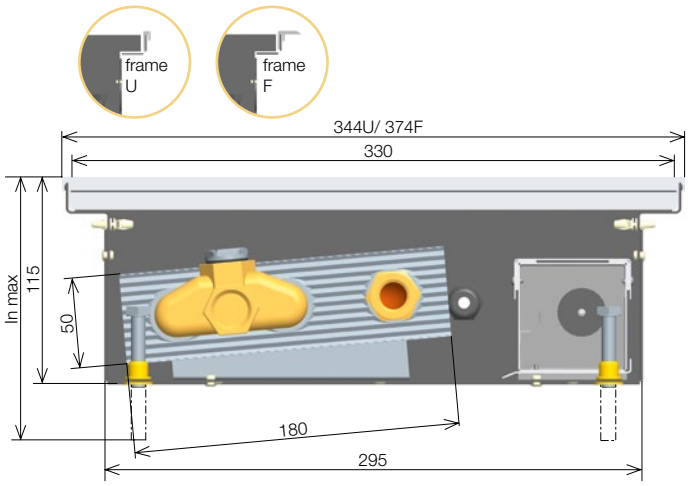
Correction factor page 54 • Assembly page 68 • Regulation page 80 • Floor grids page 18

Floor convector with forced convection
Licon PKOC 11/34

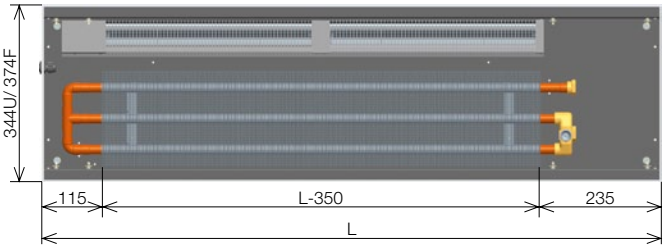
NEW

OPTIMIZED CONVECTION

- used for heating
- high performance convector at optimal width – INNOVATION
- heats with the fan off as well
- quietest operation at low speed
- possibility of control through BMS (Building Management System)
- can be ordered in Economic, Exclusive or Inox versions
- the convector is intended for dry environment



The given dimensions are in mm and with the frames U and F.



Specifications

width including the U/F type frame *(mm)*	344U/ 374F
floor case width *(mm)*	295
grid width *(mm)*	330
max. adjustable height *(V max. mm)*	115 - 142
case height *(mm)*	115
lengths *(L cm)*	800 - 2 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	180
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	40
connection to the heating system	2 x G 1/2" inner
case material	galv. steel, stainless steel AISI 304

Version Economic • black coated zinc galvanised steel, heat exchanger without any surface finishes
Version Exclusive • black coated zinc galvanised steel case, black coated exchanger *
Inox version • stainless steel unpainted case AISI 304, unpainted exchanger (for dry environment only)*

** custom design*

ECON EXCL INOX

Specification

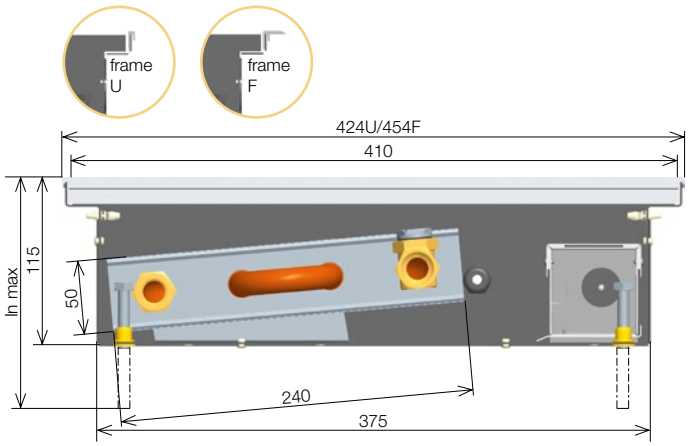
Width	*cm*	34																									
Depth	*cm*	11																									
Total length	*cm*	80				120				160				200				240				280					
Noisiness - sound pressure 1m	*dB(A)*	0	16.1	23.6	30.5	0	16.4	24.1	30.9	0	16.7	24.4	31.1	0	17.2	25	31.4	0	17.4	25.1	31.7	0	17.7	25.3	31.7		
Power input:	*W/V*	5.5 / 13.5				11 / 13.5				12 / 13.5				20 / 13.5				22.5 / 13.5				23.5 / 13.5					
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3		
Heat output	*t1 °C*	Heat output [W] / EN 442																									
90/70 °C	20	195	873	1119	1364	369	1650	2113	2577	543	2426	3108	3790	716	3202	4102	5002	890	3978	5097	6215	1064	4755	6091	7428		
75/65 °C	18	167	746	956	1166	315	1409	1805	2202	464	2073	2655	3238	612	2736	3505	4274	760	3399	4354	5310	909	4062	5204	6346		
	20	**160**	**715**	**915**	**1116**	**302**	**1350**	**1729**	**2109**	**444**	**1985**	**2543**	**3101**	**586**	**2620**	**3357**	**4093**	**728**	**3255**	**4171**	**5086**	**870**	**3891**	**4984**	**6078**		
	22	153	683	875	1067	289	1291	1653	2016	425	1898	2431	2965	560	2505	3209	3914	696	3112	3987	4862	832	3720	4765	5811		
70/55 °C	18	141	629	805	982	266	1187	1521	1855	391	1746	2237	2728	516	2305	2953	3601	641	2864	3669	4474	766	3423	4385	5347		
	20	134	598	766	934	252	1129	1446	1763	371	1660	2127	2593	490	2191	2807	3423	609	2722	3488	4253	728	3254	4168	5083		
	22	127	567	726	885	239	1071	1371	1672	352	1574	2017	2459	465	2078	2662	3246	578	2582	3308	4033	690	3086	3953	4820		
55/45 °C	18	98	437	560	683	185	826	1058	1291	272	1215	1556	1898	359	1604	2055	2505	446	1993	2553	3113	533	2381	3051	3720		
	20	91	407	522	636	172	770	986	1202	253	1132	1450	1768	334	1494	1914	2334	415	1856	2378	2899	496	2218	2842	3465		
	22	84	378	484	590	160	713	914	1114	235	1049	1344	1639	310	1385	1774	2163	385	1720	2204	2688	460	2056	2634	3212		
50/40 °C	18	81	363	465	567	153	685	878	1071	225	1008	1291	1574	298	1330	1704	2078	370	1653	2117	2582	442	1975	2531	3086		
	20	75	333	427	521	141	630	807	984	207	926	1186	1447	273	1222	1566	1910	340	1519	1946	2373	406	1815	2325	2835		
	22	68	304	390	475	129	575	736	898	189	845	1082	1320	249	1115	1429	1742	310	1386	1775	2165	370	1656	2121	2587		
45/35 °C	18	65	290	371	452	122	547	701	855	180	805	1031	1257	238	1062	1361	1659	295	1319	1690	2061	353	1577	2020	2464		
	20	58	261	334	407	110	493	631	770	162	724	928	1132	214	956	1225	1494	266	1188	1522	1856	318	1420	1819	2218		
	22	52	232	298	363	98	439	562	685	144	645	827	1008	190	852	1091	1330	237	1058	1356	1653	283	1265	1620	1976		

- temperature exponent m = 1.1

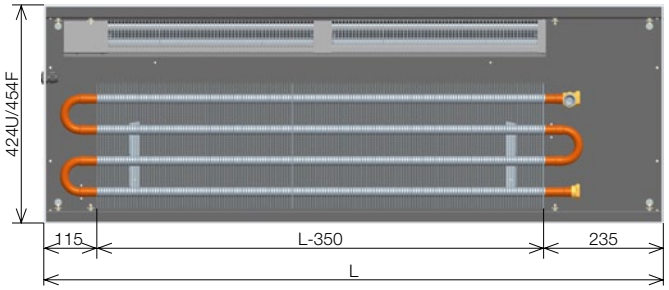
Correction factor page 54 • Assembly page 68 • Regulation page 80 • Floor grids page 18

Floor convector with forced convection
Licon PKOC 11/42

- used for heating
- heats with the fan off as well
- highest heat output
- low noise even in max. rpm
- possibility of control through BMS (Building Management System)
- can be ordered in Economic, Exclusive or Inox versions
- the convector is intended for dry environment



The given dimensions are in mm and with the frames U and F.



Specifications

width including the U/F type frame *(mm)*	424U/454F
floor case width *(mm)*	375
grid width *(mm)*	410
max. adjustable height *(V max. mm)*	115 - 142
case height *(mm)*	115
lengths *(L cm)*	8002 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	240
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	40
connection to the heating system	2 x G 1/2" inner
case material	galv. steel, stainless steel AISI 304

Version Economic • black coated zinc galvanised steel, heat exchanger without any surface finishes
Version Exclusive • black coated zinc galvanised steel case, black coated exchanger *
Inox version • stainless steel unpainted case AISI 304, unpainted exchanger (for dry environment only)*

** custom design*

Specification

Width	*cm*	42																									
Depth	*cm*	11																									
Total length	*cm*	80				120				160				200				240				280					
Noisiness - sound pressure 1m	*dB(A)*	0	16.1	23.6	30.5	0	16.4	24.1	30.9	0	16.7	24.4	31.1	0	17.2	25	31.4	0	17.4	25.1	31.7	0	17.7	25.3	31.7		
Power input:	*W/V*	5.5 / 13.5				11 / 13.5				12 / 13.5				20 / 13.5				22.5 / 13.5				23.5 / 13.5					
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3		
Heat output	*t1 °C*	Heat output [W] / EN 442																									
90/70 °C	20	270	1234	1581	1929	509	2331	2987	3643	749	3428	4393	5358	989	4525	5798	7072	1229	5622	7204	8786	1468	6719	8610	10501		
75/65 °C	18	230	1054	1351	1648	435	1991	2552	3113	640	2929	3753	4577	845	3866	4954	6042	1050	4803	6155	7507	1254	5740	7356	8971		
	20	**221**	**1010**	**1294**	**1578**	**417**	**1907**	**2444**	**2981**	**613**	**2805**	**3595**	**4384**	**809**	**3703**	**4745**	**5787**	**1005**	**4600**	**5895**	**7190**	**1201**	**5498**	**7045**	**8593**		
	22	211	965	1237	1509	399	1824	2337	2850	586	2682	3437	4191	774	3540	4536	5533	961	4398	5636	6874	1149	5256	6736	8215		
70/55 °C	18	194	888	1138	1388	367	1678	2150	2622	539	2468	3162	3857	712	3257	4174	5091	884	4047	5186	6325	1057	4836	6198	7559		
	20	185	844	1082	1320	349	1595	2044	2493	513	2346	3006	3666	677	3096	3968	4840	841	3847	4930	6013	1005	4598	5892	7186		
	22	175	801	1026	1252	331	1513	1939	2364	486	2225	2851	3477	642	2937	3763	4590	797	3648	4675	5702	953	4360	5588	6815		
55/45 °C	18	135	618	792	966	255	1167	1496	1825	375	1717	2200	2683	495	2266	2904	3542	615	2816	3608	4401	735	3365	4312	5259		
	20	126	576	738	900	238	1087	1394	1700	349	1599	2049	2499	461	2111	2705	3299	573	2623	3361	4099	685	3134	4017	4899		
	22	117	534	684	834	220	1008	1292	1575	324	1482	1900	2317	428	1957	2507	3058	531	2431	3115	3799	635	2905	3723	4541		
50/40 °C	18	112	513	657	801	212	968	1241	1514	311	1424	1825	2226	411	1880	2409	2938	510	2336	2993	3650	610	2791	3577	4363		
	20	103	471	604	736	194	890	1140	1391	286	1309	1677	2045	377	1727	2213	2700	469	2146	2750	3354	561	2565	3287	4009		
	22	94	430	551	672	177	812	1040	1269	261	1194	1530	1866	344	1576	2020	2463	428	1958	2509	3060	511	2340	2999	3657		
45/35 °C	18	89	409	524	640	169	773	991	1208	248	1137	1457	1777	328	1501	1923	2346	407	1865	2389	2914	487	2228	2856	3483		
	20	81	369	472	576	152	696	892	1088	224	1024	1312	1600	295	1351	1732	2112	367	1679	2152	2624	439	2007	2571	3136		
	22	72	328	421	513	135	620	794	969	199	912	1168	1425	263	1203	1542	1881	327	1495	1916	2337	391	1787	2290	2793		

- temperature exponent m = 1.1

Correction factor page 54 • Assembly page 68 • Regulation page 80 • Floor grids page 18

Correction factor kt for a variant temperature difference Δt (K)

PKOC 7/28

Δt (K)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
kt	0.320	0.340	0.360	0.380	0.400	0.420	0.441	0.461	0.482	0.503	0.524	0.545	0.566	0.587	0.608	0.629

Δt (K)	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
kt	0.650	0.672	0.693	0.715	0.736	0.758	0.780	0.801	0.823	0.845	0.867	0.889	0.911	0.933	0.955	0.978

Δt (K)	50	51	52	53	54	55	56	57	58	59	60
kt	1.000	1.022	1.045	1.067	1.090	1.112	1.135	1.157	1.180	1.203	1.226

- temperature exponent m = 1.1159

PKOC 9/28

Δt (K)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
kt	0.325	0.345	0.365	0.385	0.405	0.426	0.446	0.467	0.487	0.508	0.529	0.549	0.570	0.591	0.612	0.633

Δt (K)	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
kt	0.654	0.676	0.697	0.718	0.740	0.761	0.782	0.804	0.826	0.847	0.869	0.891	0.912	0.934	0.956	0.978

Δt (K)	50	51	52	53	54	55	56	57	58	59	60
kt	1.000	1.022	1.044	1.066	1.088	1.110	1.133	1.155	1.177	1.200	1.222

- temperature exponent m = 1.0996

PKOC 11/28, 11/34 NEW, 11/42

Δt (K)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
kt	0.325	0.345	0.365	0.385	0.405	0.426	0.446	0.467	0.487	0.508	0.528	0.549	0.570	0.591	0.612	0.633

Δt (K)	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
kt	0.654	0.675	0.697	0.718	0.739	0.761	0.782	0.804	0.825	0.847	0.869	0.891	0.912	0.934	0.956	0.978

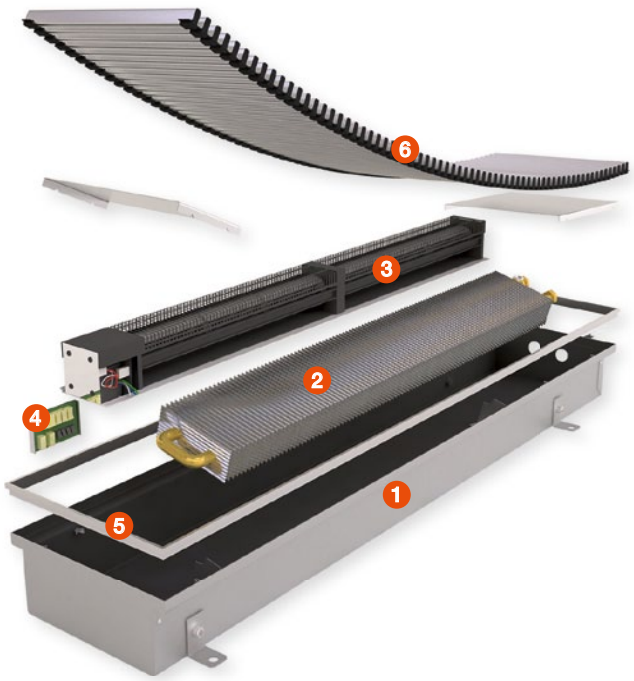
Δt (K)	50	51	52	53	54	55	56	57	58	59	60
kt	1.000	1.022	1.044	1.066	1.088	1.111	1.133	1.155	1.177	1.200	1.222

- temperature exponent m = 1.1

Weights and water volumes

Type	7/28	9/28	11/28	11/34	11/42
kg/linear meter	8.15	9.5	10	12.5	13.7
Stainless steel kg/1 linear meter	7.1	8.3	9	11	12
l/1 linear meter	0.4	0.4	0.4	0.6	0.6

The listed weights are without a packaging.



Convector breakdown

1. case of the floor convector
2. heat exchanger
3. fan
4. connecting terminal (F Box)
5. decorative frame
6. walkable grid

The contents of supplies and selectable specifications

Standard delivery contains

- zinc galvanized steel case, paint finish RAL 9005 – black
- Al/Cu heat exchanger with low water content, air vent and uniquely shaped lamellas for a higher heat output
- group of low-energy fans
- connecting terminal (F Box)
- exchanger temperature switch
- side covering metal sheets in the case colour
- aluminium decor frame, U profile, surface finish silver eloxal coat
- fixation anchors for fastening the convector to the floor
- a pair of stainless steel flexible hoses for easy connection to the heating system
- sololit cover plate protecting the heat exchanger from dust and dirt on building site
- 25 mm height adjustment set-screws to compensate for the floor unevenness
- the unit is packed in a durable packaging and contains an istallation manual

Optional accessories

- stainless steel case finish AISI 304 (Inox) for dry environment
- colour of the anodized Al frame – natural aluminium, light and dark bronze in the F profile or light or dark bronze in the U profile, see sketch page 23
- black coated heat exchanger (Exclusive finish)
- shut off valves, thermostatic valve head and an actuator
- covering plate with increased rigidity
- case with noise-absorbing material (reduction of noisiness by 1 to 3 dB) see page 86

Note:

- Standard supply does not include the regulation. The regulation must be ordered separately in accordance with the technical parameters.
- Electrical regulation and regulation elements see page 80
- Regulation is identical for all OC system radiators

Ordering codes Convectors PKOC

Case type – water supply location
P on the right (looking out of room)
P on the left (looking out of room)*
Convector case's face finish
0 without lowering of faces
1 supply side face lowering *
2 face lowering on opposite side of the supply *
3 lowering of both faces *

Elements of electrical regulation in a converter
R1 standard

			length		depth		width									
Economic	black steel case/unpainted exchanger	PKOC	-	...	/	...	/	..	-	1	1	U	10	P0	-	R1
Exclusive	black steel case/black exchanger *	PKOC	-	...	/	...	/	..	-	1	5	U	10	P0	-	R1
Inox	stainless steel case/unpainted exchanger *	PKOC	-	...	/	...	/	..	-	5	1	U	10	P0	-	R1

** custom-made design*

Floor convectors with forced convection Licon PKOC

Frame type
N not fitted with a frame *
U U profile
F F profile *

Frame finish
00 not fitted with a frame *
10 aluminium/silver eloxal coat
12 aluminium/bronze eloxal coat *
13 aluminium/light bronze eloxal coat *

Ordering example

PKOC, 120 length, 11 depth, 34 width with a black exchanger and F shape frame, bronze eloxal coat = Exclusive Finish
Ordering code – PKOC-120/11/34-15F12P0-R1

If the order does not include the decorative frame specification, the tray and the heat exchanger design, the body will be made of black painted steel sheet and silver colour exchanger, and fitted with silver colour U-shaped frame (Economic version).

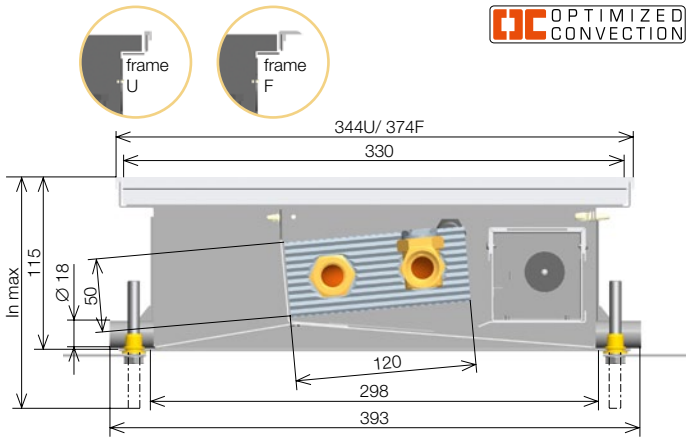
Assembly page 68 • Regulation page 80 • Floor grids page 18

Swimming pool floor convector with forced convection
Licon PKBOC 11/34 InPool

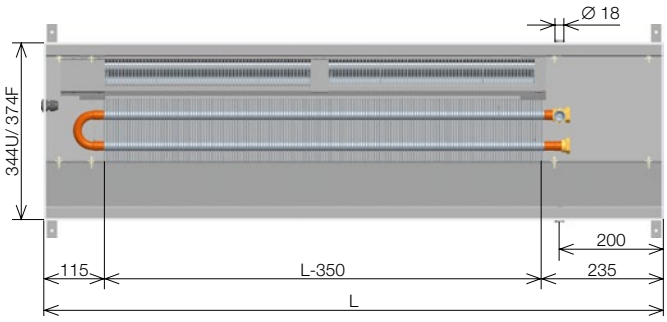
NEW

- used for heating
- heats with the fan off as well
- provided with water drain and dividing partition
- high heat output
- low noise even in max. rpm
- possibility of control through BMS (Building Management System)
- special warranty and installation conditions
- recommended to fit with aluminium grid
- supplied only with the InPool design
- the convector is intended for damp environment (i.e. indoor swimming pools, winter gardens)

OPTIMIZED CONVECTION



The given dimensions are in mm and with the frames U and F.



Specifications

width including the U/F type frame *(mm)*	344U/ 374F
floor case width *(mm)*	298
grid width *(mm)*	330
max. adjustable height *(V max. mm)*	123 - 150
case height *(mm)*	115
lengths *(L cm)*	800 - 2 800, with the step of 400
exchanger height *(mm)*	50
exchanger width *(mm)*	120
exchanger effective length *(mm)*	L - 350
fans impeller diameter *(mm)*	40
connection to the heating system	2 x G 1/2" inner
case material	stainless steel AISI 316

Specification

Width	*cm*	34																								
Depth	*cm*	11																								
Total length	*cm*	80				120				160				200				240				280				
Noisiness - sound pressure 1m	*dB(A)*	0	16.1	23.6	30.5	0	16.4	24.1	30.9	0	16.7	24.4	31.1	0	17.2	25	31.4	0	17.4	25.1	31.7	0	17.7	25.3	31.7
Power input:	*W/V*	5.5 / 13.5				11 / 13.5				12 / 13.5				20 / 13.5				22.5 / 13.5				23.5 / 13.5				
Speed switch position		Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	Off	1	2	3	
Heat output	*t1 °C*	Heat output [W] / EN 442																								
90/70 °C	20	203	657	867	1070	364	1241	1638	2020	525	1643	2168	2575	687	2409	3180	3922	848	2694	3555	4385	1009	2862	3777	4659
75/65 °C	18	173	561	741	914	311	1060	1399	1726	449	1404	1852	2200	587	2059	2717	3350	725	2302	3038	3746	862	2445	3227	3980
	20	**166**	**538**	**710**	**875**	**298**	**1016**	**1340**	**1653**	**430**	**1345**	**1774**	**2107**	**562**	**1972**	**2602**	**3209**	**694**	**2205**	**2910**	**3589**	**826**	**2342**	**3091**	**3812**
	22	159	514	678	837	285	971	1281	1581	411	1285	1696	2014	537	1885	2488	3068	663	2108	2782	3431	790	2239	2955	3644
70/55 °C	18	144	467	617	761	259	883	1165	1437	374	1168	1542	1831	488	1713	2261	2789	603	1916	2528	3118	718	2035	2686	3313
	20	137	444	585	722	246	838	1106	1364	355	1109	1463	1738	464	1627	2147	2648	573	1819	2400	2961	681	1932	2550	3145
	22	130	421	555	684	233	794	1048	1293	336	1051	1387	1648	439	1542	2035	2510	543	1724	2275	2806	646	1832	2417	2981
55/45 °C	18	102	329	434	536	182	622	820	1012	263	823	1086	1289	344	1207	1592	1964	425	1349	1781	2196	506	1433	1892	2333
	20	95	307	405	499	170	579	764	942	245	766	1011	1201	320	1124	1483	1829	396	1257	1658	2045	471	1335	1762	2173
	22	88	284	375	462	157	536	708	873	227	710	937	1112	297	1041	1374	1694	366	1164	1536	1895	436	1237	1632	2013
50/40 °C	18	84	273	361	445	151	516	681	840	218	683	901	1070	285	1002	1322	1630	353	1120	1478	1823	420	1190	1570	1937
	20	78	251	331	409	139	474	626	772	201	628	828	984	262	921	1215	1499	324	1030	1359	1676	386	1094	1443	1780
	22	71	229	302	373	127	433	571	704	183	573	756	898	239	840	1108	1367	296	939	1239	1529	352	998	1317	1624
45/35 °C	18	67	218	287	354	121	411	543	670	174	545	718	853	228	799	1054	1300	281	893	1178	1453	335	949	1252	1544
	20	61	196	259	319	109	371	489	603	157	491	647	769	205	720	950	1171	253	805	1062	1310	301	855	1128	1391
	22	54	175	231	284	97	330	436	537	140	437	577	685	183	641	846	1043	226	717	946	1166	268	761	1005	1239

- temperature exponent m = 1.1

Assembly page 68 • Regulation page 80 • Floor grids page 18

Correction factor kt for a variant temperature difference Δt (K)

PKBOC 11/34

Δt (K)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
kt	0.325	0.345	0.365	0.385	0.405	0.426	0.446	0.467	0.487	0.508	0.528	0.549	0.570	0.591	0.612	0.633
Δt (K)	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
kt	0.654	0.675	0.697	0.718	0.739	0.761	0.782	0.804	0.825	0.847	0.869	0.891	0.912	0.934	0.956	0.978
Δt (K)	50	51	52	53	54	55	56	57	58	59	60					
kt	1.000	1.022	1.044	1.066	1.088	1.111	1.133	1.155	1.177	1.200	1.222					

- temperature exponent m = 1.1

Weights and volumes of water and guarantees

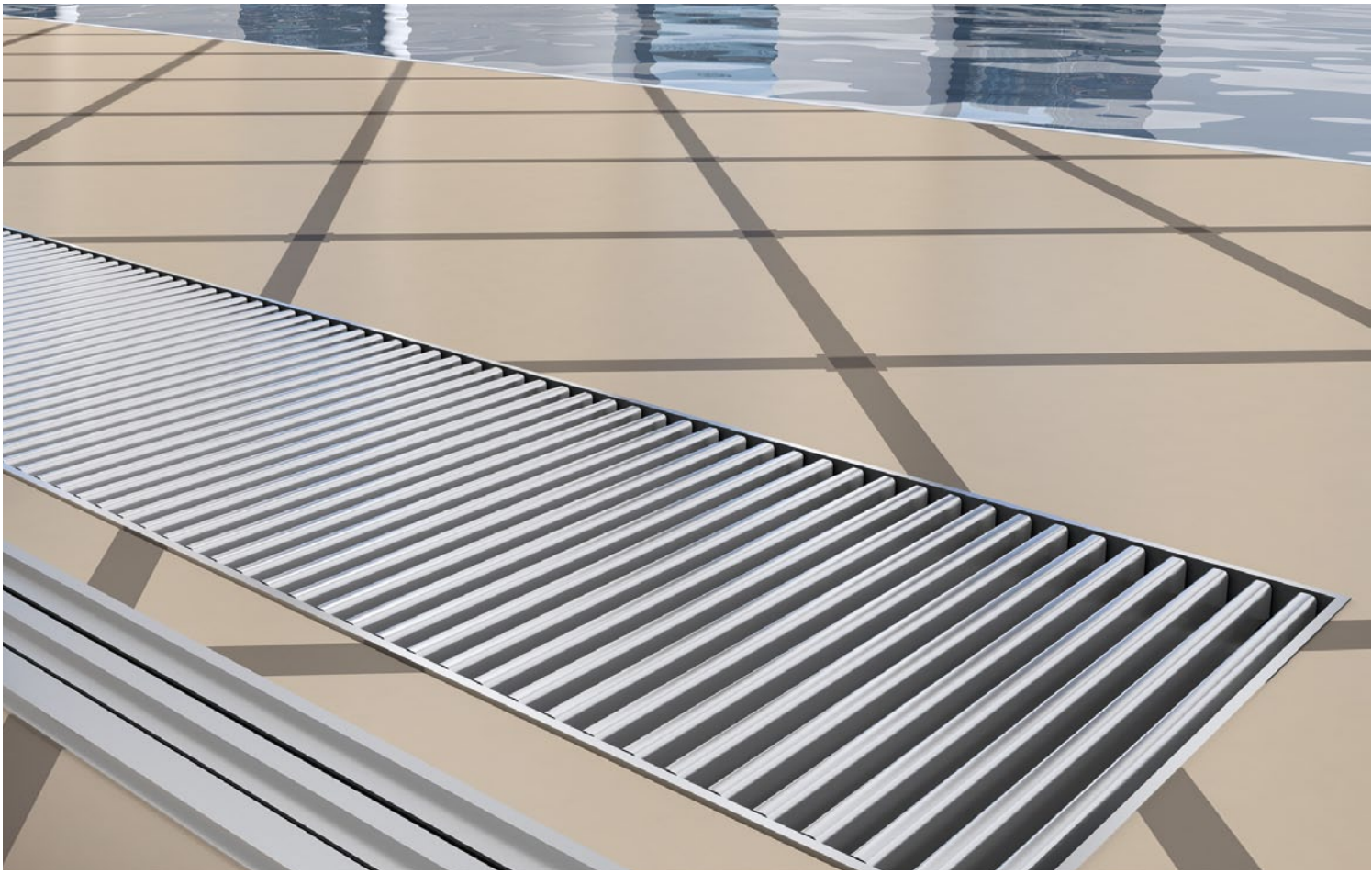
Type	11/28
Stainless steel kg/1 linear meter	9
l/1 linear meter	0,4

The listed weights are without a packaging.

Caution: Floor convector PKBOC with forced convection must be positioned so as to prevent even short term flooding of the section fitted with the motor and the fans.

PKBOC guarantee

Floor convectors including the grid intended for use in the pool area must be kept clean and washed regularly with clean water and maintained with suitable preparations for the preservation of the stainless steel. Convectors are equipped with a drain to prevent their permanent flooding which must be kept clear of any blockage. More about the operation and warranty conditions on www.licon.cz in the download section.



The contents of supplies and selectable specifications

Standard delivery contains

- stainless steel case (stainless steel AISI 316)
- Al/Cu heat exchanger with low water content, air vent and uniquely shaped lamellas for a higher heat output
- separated group of low-energy fans
- drainage holes, including a separation barrier for trapping leaking in water
- connecting terminal (F Box)
- exchanger temperature switch
- side covering metal sheets in the case colour
- anodized Al frame, U profile, in the natural aluminium colour
- a pair of stainless-steel elastic hoses for easy connection
- sololit cover plate protecting the heat exchanger from dust and dirt on building site
- approx. 25 mm height adjustment screws to compensate for uneven floors and an anchoring fastening flag for securing to the ground
- the unit is packed in a durable packaging and contains an istallation manual

Optional accessories

- anodized Al frame, F profile (see sketch)
- colour of the anodized Al frame – natural aluminium, light and dark bronze in the F profile or light or dark bronze in the U profile, see sketch page 23
- shut off valves, thermostatic valve head or an actuator
- covering plate with increased rigidity

Note:

- Standard supply does not include the regulation. The regulation must be ordered separately in accordance with the technical parameters.
- Electrical regulation and regulation elements see page 80
- Regulation is identical for all OC system radiators

Ordering codes Convectors PKBOC 11/34

						length		depth		width			Frame type N not fitted with a frame * U U profile F F profile *			Case type – location of water supply P on the right (looking out of room) Convector case's face finish 0 without lowering the faces (no other type of case can be used with the PKBOC model)			
InPool	stainless steel case for moist environment/ unpainted exchanger *	PKBOC	-	...	/	11	/	34	-	3	1	U	10	P0	-	R1			
		Floor convectors with forced convection for pools PKBOC								Frame finish 00 not fitted with a frame * 10 aluminium/silver eloxal coat 12 aluminium/bronze eloxal coat * 13 aluminium/light bronze eloxal coat *					Elements of electrical regulation in a converter R1 standard, waterproof			

** custom-made design*

Ordering example

PKBOC, 120 length, 11 depth, 34 width InPool finish (stainless steel case, heat exchanger without any surface finish) and the F shaped frame, silver eloxal coat = InPool version

Ordering code – PKOC-120/11/34-15F12P0-R1

In the absence of specification in the order the decorative frame will be of the silver frame type in the U shape.

Note:

The PKBOC convectors' individual cases cannot be mutually interconnected.

Assembly page 68 • Regulation page 80 • Floor grids page 18