



# KORATHERM® VERTIKAL, VERTIKAL - M

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C	Number of profiles i [pcs]	t <sub>1</sub> /t <sub>2</sub> [°C]	Type								
			K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
			K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]			500			600			700		
Connecting pitch h [mm]			450			550			650		
Length L [mm]			50			50			50		
Heat output Q [W]											
144	2	90/70	113	147	172	134	173	203	155	198	233
		70/55	73	96	110	86	112	129	100	128	149
		55/45	47	62	70	56	73	82	64	83	95
218	3	90/70	171	223	261	203	262	307	235	300	353
		70/55	110	145	166	131	170	196	151	194	225
		55/45	71	94	106	84	110	125	97	126	143
366	5	90/70	286	374	438	340	439	516	394	503	593
		70/55	185	244	279	219	286	329	254	326	378
		55/45	119	159	178	141	185	209	163	211	240
514	7	90/70	402	526	615	478	617	725	553	706	833
		70/55	260	342	392	308	401	462	356	458	531
		55/45	167	223	250	198	260	294	229	297	337
588	8	90/70	460	601	703	546	706	829	633	808	953
		70/55	297	392	449	352	459	529	407	524	607
		55/45	192	255	286	227	298	336	262	339	386
662	9	90/70	518	677	792	615	795	933	713	910	1073
		70/55	334	441	505	397	517	595	459	590	683
		55/45	216	287	322	255	335	379	295	382	435
884	12	90/70	691	904	1057	821	1062	1247	951	1215	1433
		70/55	447	589	674	530	690	795	613	788	913
		55/45	288	383	429	341	448	506	394	510	580
958	13	90/70	749	980	1146	890	1150	1351	1031	1316	1553
		70/55	484	638	731	574	748	861	664	854	989
		55/45	312	415	465	370	485	548	427	553	629

## BASIC TECHNICAL PARAMETERS

Type	K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]	500			600			700		
Nominal heat output Q <sub>N</sub> [W/m]	626	822	951	743	964	1121	860	1102	1288
Temperature exponent n [-]	1,2638	1,2399	1,2994	1,2682	1,2459	1,3015	1,2725	1,2518	1,3037

For weight and water volume see page 21.

$$\Phi_L = K_T \cdot H^b \cdot \Delta T^{(c_0 + c_1 \cdot H)}$$





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20 °C	Number of profiles   pcs	t <sub>1</sub> /t <sub>2</sub> [°C]	Type								
			K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
			K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]			800			900			1000		
Connecting pitch h [mm]			750			850			950		
Length L [mm]			50			50			50		
Heat output Q [W]											
144	2	90/70	176	222	263	197	246	293	218	270	322
		70/55	113	144	168	127	159	186	140	174	205
		55/45	73	93	107	81	103	118	90	112	130
218	3	90/70	267	337	399	299	373	444	330	408	488
		70/55	171	218	254	192	241	282	212	263	310
		55/45	110	141	161	123	155	179	135	169	197
366	5	90/70	448	565	669	501	626	745	555	686	819
		70/55	288	366	426	322	404	474	355	442	521
		55/45	185	236	271	206	261	301	227	284	330
514	7	90/70	629	794	940	704	879	1046	779	963	1151
		70/55	404	514	598	452	568	665	499	621	731
		55/45	260	332	380	290	366	422	319	399	464
588	8	90/70	720	908	1076	806	1006	1197	891	1102	1316
		70/55	463	588	685	517	650	761	571	710	837
		55/45	297	380	435	331	419	483	365	457	531
662	9	90/70	810	1022	1211	907	1132	1347	1003	1240	1482
		70/55	521	662	771	582	731	857	643	799	942
		55/45	334	427	490	373	472	544	411	514	598
884	12	90/70	1082	1365	1617	1211	1512	1799	1340	1656	1979
		70/55	695	883	1029	777	977	1144	859	1068	1258
		55/45	446	571	654	498	630	727	549	687	798
958	13	90/70	1172	1479	1752	1312	1639	1950	1452		2145
		70/55	754	957	1115	842	1058	1240	930		1363
		55/45	484	619	709	540	682	787	595		865

## BASIC TECHNICAL PARAMETERS

Type	K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]	800			900			1000		
Nominal heat output Q <sub>N</sub> [W/m]	977	1237	1453	1093	1369	1616	1208	1498	1777
Temperature exponent n [-]	1,2769	1,2578	1,3058	1,2813	1,2638	1,3079	1,2857	1,2698	1,3101

For weight and water volume see page 21.

$$\Phi_L = K_T \cdot H^b \cdot \Delta T^{(c_0 + c_1 \cdot H)}$$





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20 °C	Number of profiles [pcs]	t <sub>1</sub> /t <sub>2</sub> [°C]	Type								
			K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
			K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]			1100			1200			1400		
Connecting pitch h [mm]			1050			1150			1350		
Length L [mm]			50			50			50		
Heat output Q [W]											
144	2	90/70	239	293	352	260	316	381	302	361	438
		70/55	153	189	223	166	203	241	193	231	277
		55/45	98	121	141	106	130	153	123	147	175
218	3	90/70	362	444	532	394	478	576	457	546	663
		70/55	232	285	338	252	307	365	292	349	419
		55/45	148	183	214	161	197	231	187	223	264
366	5	90/70	608	745	894	661	803	967	768	917	1113
		70/55	389	479	567	423	516	613	491	587	703
		55/45	249	308	359	270	331	388	313	375	444
514	7	90/70	854	1046	1255	928	1128	1359	1078	1288	1563
		70/55	547	673	797	594	724	861	689	824	988
		55/45	350	432	505	380	464	545	440	526	623
588	8	90/70	977	1197	1436	1062	1290	1554	1234	1474	1788
		70/55	626	770	911	680	828	985	788	943	1130
		55/45	400	495	577	434	531	623	503	602	713
662	9	90/70	1100	1348	1617	1196	1453	1750	1389	1659	2013
		70/55	704	867	1026	765	933	1109	888	1061	1272
		55/45	451	557	650	489	598	702	566	678	803
884	12	90/70	1469	1800	2159	1597	1940	2337	1855	2216	2688
		70/55	941	1158	1370	1022	1245	1481	1185	1417	1699
		55/45	602	744	868	653	798	937	756	905	1072
958	13	90/70	1592		2339	1731		2532	2010		2913
		70/55	1019		1485	1108		1605	1284		1841
		55/45	652		941	708		1015	820		1162

## BASIC TECHNICAL PARAMETERS

Type	K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]	1100			1200			1400		
Nominal heat output Q <sub>N</sub> [W/m]	1324	1626	1937	1439	1751	2095	1670	1996	2407
Temperature exponent n [-]	1,2877	1,2754	1,3142	1,2898	1,2809	1,3184	1,2939	1,2920	1,3266

For weight and water volume see page 21.

$$\Phi_L = K_T \bullet H^b \bullet \Delta T^{(c_0+c_1 \bullet H)}$$





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HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C	Number of profiles [pcs]	t <sub>1</sub> /t <sub>2</sub> [°C]	Type								
			K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
			K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]			1600			1800			2000		
Connecting pitch h [mm]			1550			1750			1950		
Length L [mm]			50			50			50		
Heat output Q [W]											
144	2	90/70	344	404	494	386	446	550	428	487	605
		70/55	220	258	312	246	285	347	273	311	381
		55/45	140	165	197	157	182	219	174	198	240
218	3	90/70	521	612	748	584	676	832	648	738	915
		70/55	332	391	472	373	431	525	413	471	577
		55/45	212	250	298	237	275	331	263	300	364
366	5	90/70	874	1027	1256	981	1134	1397	1088	1238	1537
		70/55	558	656	793	626	724	882	693	791	969
		55/45	356	419	500	398	462	556	441	504	611
514	7	90/70	1227	1442	1764	1377	1593	1962	1528	1739	2158
		70/55	784	922	1114	879	1017	1238	974	1110	1361
		55/45	500	588	702	560	649	780	620	708	857
588	8	90/70	1404	1650	2018	1576	1822	2244	1748	1990	2469
		70/55	897	1055	1274	1005	1164	1417	1114	1270	1557
		55/45	572	673	804	640	742	893	709	810	981
662	9	90/70	1581	1858	2272	1774	2051	2527	1968	2240	2779
		70/55	1009	1187	1435	1132	1310	1595	1254	1430	1753
		55/45	644	758	905	721	836	1005	798	911	1104
884	12	90/70	2111	2481	3033	2369	2739	3374	2628	2991	3711
		70/55	1348	1586	1916	1511	1750	2130	1675	1910	2341
		55/45	859	1012	1208	962	1116	1342	1066	1217	1475
958	13	90/70	2288		3287	2567		3656	2848		
		70/55	1461		2076	1638		2308	1815		
		55/45	931		1309	1043		1454	1155		

## BASIC TECHNICAL PARAMETERS

Type	K10V	K11V	K20V	K10V	K11V	K20V	K10V	K11V	K20V
	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM	K10VM	K11VM	K20VM
Height H [mm]	1600			1800			2000		
Nominal heat output Q <sub>N</sub> [W/m]	1900	2234	2715	2131	2466	3019	2363	2692	3320
Temperature exponent n [-]	1,2966	1,2937	1,3283	1,2993	1,2955	1,3299	1,3020	1,2973	1,3316

For weight and water volume see page 21.

$$\Phi_L = K_T \bullet H^b \bullet \Delta T^{(c_0+c_1 \bullet H)}$$

