

THERM-X2® PROFILE-K/-V/-VM GENERAL DESCRIPTION



Scope of delivery

- Kermi therm-x2 Profile radiators with lugs, primed and powder coated
- Top and side panel, except Type 10 (can be removed for cleaning)
- Fixing set included without surcharge
- therm-x2 Profile compact radiator: Type 12 - 33 also with therm-x2 separation plug

Fixing

- Lug fixing with 4 lugs up to length of 1600 mm and 6 lugs from length of 1800 mm
- Orientation in horizontal and vertical direction is possible in the fitted state

Paint finish

- Brilliant two-layer coating, emissions free and ecological, no drips
- According to DIN 55900-FWA: degreased, iron-phosphated, primed with electro-dip coating (ETL) and powder coated (EPS)
- Standard: Kermi white (RAL 9016)
- Colour varnish according to Kermi colour concept

Quality

- RAL tested
- All radiators are leak tested
- Test pressure: 13,0 bar
- Max. operating pressure: 10,0 bar
- Max. operating temperature: 110°C
- Certification according to DIN EN ISO 9001:2008
- The construction conforms to the former BAGUV directives, except Type 10

Packaging

- Packed in box ready to install and shrink-wrapped in film
- Site protection packaging, i.e. packaging does not need to be removed for installation

Connection

- therm-x2 Profile compact radiators: 4 x internal thread G 1/2"
 - therm-x2 Profile valve radiator: 2 x external threads G 3/4" standard connection right, connection left upon request without surcharge 3 G x 1/2" internal thread side
 - therm-x2 Profile valve radiators with centre connection: 2 x external thread G 3/4" connection centre, valve standard right. Valve insert left also available upon request (without surcharge)
- The flow is always aligned to the left, regardless of the position of the valve insert. Same spacing from connection to the wall for all multiple radiators.

For valve radiators also:

- Valve matched to heat output with factory preset k_v -value
- Blanking plug and air vent plug installed and sealed

Please note: Operating conditions and water quality according to VDI 2035 must be respected, as well as the industry-standard installation regulations.

THERM-X2® PROFILE-K/-V/-VM

WEIGHT, WATER CONTENT

Height mm	Type 10					Type 11					Type 12					Type 22					Type 33										
	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900	
400	kg	3,05	3,81	4,57	5,33	6,46	7,60	4,56	5,88	7,20	8,52	10,50	12,48	6,43	8,37	10,32	12,27	15,19	18,12	7,51	9,86	12,20	14,55	18,07	21,58	11,15	14,67	18,18	21,70	26,97	32,24
	ltr	0,72	0,90	1,08	1,26	1,52	1,80	0,72	0,90	1,08	1,26	1,52	1,80	1,44	1,80	2,16	2,52	3,05	3,60	1,44	1,80	2,16	2,52	3,05	3,60	2,16	2,70	3,24	3,78	4,57	5,40
500	kg	3,62	4,57	5,52	6,46	7,88	9,30	5,47	7,11	8,74	10,38	12,84	15,30	7,79	10,21	12,63	15,06	18,69	22,33	9,08	12,00	14,91	17,83	22,20	26,58	13,50	17,87	22,25	26,62	33,17	39,73
	ltr	0,89	1,12	1,35	1,57	1,90	2,25	0,89	1,12	1,35	1,57	1,90	2,25	1,80	2,25	2,70	3,15	3,81	4,50	1,80	2,25	2,70	3,15	3,81	4,50	2,70	3,38	4,05	4,72	5,71	6,75
600	kg	4,19	5,33	6,46	7,60	9,30	11,01	6,32	8,28	10,24	12,19	15,13	18,07	9,15	12,05	14,95	17,84	22,19	26,53	10,65	14,14	17,62	21,11	26,34	31,57	15,85	21,08	26,31	31,54	39,38	47,22
	ltr	1,08	1,35	1,62	1,89	2,29	2,70	1,08	1,35	1,62	1,89	2,29	2,70	2,16	2,70	3,24	3,78	4,57	5,40	2,16	2,70	3,24	3,78	4,57	5,40	3,24	4,05	4,86	5,67	6,86	8,10
700	kg	4,76	6,09	7,41	8,74	10,72	12,71	7,16	9,44	11,72	13,99	17,41	20,83	10,52	13,89	17,26	20,63	25,69	30,74	12,22	16,28	20,33	24,39	30,48	36,57	18,20	24,29	30,37	36,46	45,59	54,71
	ltr	1,25	1,57	1,89	2,20	2,66	3,15	1,25	1,57	1,89	2,20	2,66	3,15	2,52	3,15	3,78	4,41	5,34	6,30	2,52	3,15	3,78	4,41	5,34	6,30	3,78	4,73	5,67	6,61	8,00	9,45
800	kg	5,33	6,85	8,36	9,88	12,15	14,42	8,06	10,66	13,26	15,85	19,75	23,65	11,88	15,73	19,57	23,42	29,18	34,95	13,78	18,41	23,04	27,67	34,62	41,56	20,55	27,49	34,44	41,38	51,79	62,20
	ltr	1,44	1,80	2,16	2,52	3,05	3,60	1,44	1,80	2,16	2,52	3,05	3,60	2,88	3,60	4,32	5,04	6,10	7,20	2,88	3,60	4,32	5,04	6,10	7,20	4,32	5,40	6,48	7,56	9,15	10,80
900	kg	5,90	7,61	9,31	11,01	13,57	16,12	8,97	11,88	14,80	17,71	22,09	26,46	13,25	17,57	21,88	26,20	32,68	39,16	15,35	20,55	25,75	30,95	38,75	46,56	22,90	30,70	38,50	46,30	58,00	69,70
	ltr	1,60	2,02	2,43	2,83	3,42	4,05	1,60	2,02	2,43	2,83	3,42	4,05	3,24	4,05	4,86	5,67	6,86	8,10	3,24	4,05	4,86	5,67	6,86	8,10	4,86	6,07	7,29	8,50	10,29	12,15
1000	kg	6,47	8,36	10,26	12,15	14,99	17,83	9,87	13,10	16,34	19,58	24,43	29,28	14,66	19,46	24,25	29,04	36,23	43,42	17,01	22,78	28,56	34,33	42,98	51,64	25,40	34,06	42,71	51,37	64,35	77,34
	ltr	1,80	2,25	2,70	3,15	3,81	4,50	1,80	2,25	2,70	3,15	3,81	4,50	3,60	4,50	5,40	6,30	7,62	9,00	3,60	4,50	5,40	6,30	7,62	9,00	5,40	6,75	8,10	9,45	11,43	13,50
1100	kg	7,04	9,12	11,21	13,29	16,41	19,53	10,77	14,32	17,88	21,44	26,77	32,10	16,03	21,29	26,56	31,83	39,73	47,63	18,58	24,92	31,26	37,61	47,12	56,64	27,75	37,27	46,78	56,29	70,56	84,83
	ltr	1,99	2,48	2,97	3,47	4,20	4,95	1,99	2,48	2,97	3,47	4,20	4,95	3,96	4,95	5,94	6,93	8,39	9,90	3,96	4,95	5,94	6,93	8,39	9,90	5,94	7,42	8,91	10,40	12,58	14,85
1200	kg	7,61	9,88	12,15	14,43	17,83	21,24	11,67	15,55	19,42	23,30	29,11	34,92	17,39	23,13	28,87	34,62	43,23	51,84	20,15	27,06	33,97	40,89	51,26	61,63	30,17	40,54	50,91	61,28	76,83	92,38
	ltr	2,16	2,70	3,24	3,78	4,57	5,40	2,16	2,70	3,24	3,78	4,57	5,40	4,32	5,40	6,48	7,56	9,15	10,80	4,32	5,40	6,48	7,56	9,15	10,80	6,48	8,10	9,72	11,34	13,72	16,20
1300	kg	8,18	10,64	13,10	15,56	19,25	22,94	12,57	16,77	20,96	25,16	31,45	37,74	18,76	24,97	31,19	37,40	46,73	56,05	21,71	29,20	36,68	44,17	55,40	66,63	32,39	43,61	54,84	66,07	82,90	99,74
	ltr	2,33	2,93	3,51	4,10	4,96	5,85	2,35	2,93	3,51	4,10	4,96	5,85	4,68	5,85	7,02	8,19	9,91	11,70	4,68	5,85	7,02	8,19	9,91	11,70	7,02	8,77	10,53	12,29	14,87	17,55
1400	kg	8,75	11,40	14,05	16,70	20,67	24,65	13,48	17,99	22,50	27,02	33,79	40,56	20,22	26,91	33,60	40,29	50,33	60,36	23,47	31,52	39,58	47,64	59,72	71,80	35,10	47,19	59,27	71,35	89,48	107,60
	ltr	2,52	3,15	3,78	4,41	5,34	6,30	2,52	3,15	3,78	4,41	5,34	6,30	5,04	6,30	7,56	8,82	10,67	12,60	5,04	6,30	7,56	8,82	10,67	12,60	7,56	9,45	11,34	13,23	16,01	18,90
1600	kg	9,89	12,92	15,95	18,98	23,52	28,06	15,28	20,43	25,59	30,74	38,47	46,20	22,95	30,59	38,23	45,87	57,32	68,78	26,60	35,80	45,00	54,20	68,00	81,79	39,81	53,60	67,40	81,19	101,89	122,58
	ltr	2,88	3,60	4,32	5,04	6,10	7,20	2,88	3,60	4,32	5,04	6,10	7,20	5,76	7,20	8,64	10,08	12,20	14,40	5,76	7,20	8,64	10,08	12,20	14,40	8,64	10,80	12,96	15,12	18,30	21,60
1800	kg	11,12	14,53	17,93	21,34	26,45	31,56	17,19	22,99	28,78	34,57	43,26	51,95	25,77	34,36	42,94	51,53	64,41	77,29	29,83	40,17	50,51	60,85	76,36	91,87	44,60	60,11	75,62	91,12	114,39	137,65
	ltr	3,24	4,05	4,86	5,67	6,86	8,10	3,24	4,05	4,86	5,67	6,86	8,10	6,48	8,10	9,72	11,34	13,72	16,20	6,48	8,10	9,72	11,34	13,72	16,20	9,72	12,15	14,58	17,01	20,58	24,30
2000	kg	12,26	16,05	19,83	23,62	29,29	34,97	19,00	25,43	31,86	38,29	47,94	57,59	28,50	38,03	47,57	57,10	71,40	85,71	32,96	44,44	55,93	67,41	84,64	101,86	49,30	66,52	83,74	100,97	126,80	152,64
	ltr	3,60	4,50	5,40	6,30	7,62	9,00	3,60	4,50	5,40	6,30	7,62	9,00	7,20	9,00	10,80	12,60	15,25	18,00	7,20	9,00	10,80	12,60	15,25	18,00	10,80	13,50	16,20	18,90	22,87	27,00
2300	kg	13,97	18,32	22,68	27,03	33,56	40,09	21,71	29,10	36,49	43,87	54,96	66,04	32,59	43,55	54,51	65,46	81,90	98,33	37,66	50,86	64,06	77,25	97,05	116,85	56,35	76,14	95,93	115,73	145,42	175,11
	ltr	4,14	5,18	6,21	7,24	8,76	10,35	4,14	5,18	6,21	7,24	8,76	10,35	8,28	10,35	12,42	14,49	17,53	20,70	8,28	10,35	12,42	14,49	17,53	20,70	12,42	15,52	18,63	21,73	26,29	31,05
2600	kg	15,68	20,60	25,52	30,44	37,82	45,20	24,41	32,76	41,11	49,46	61,98	74,50	36,74	49,12	61,50	73,87	92,44	111,01	42,46	57,37	72,28	87,19	109,56	131,92	63,55	85,91	108,27	130,64	164,18	197,73
	ltr	4,68	5,85	7,02	8,19	9,91	11,70	4,68	5,85	7,02	8,19	9,91	11,70	9,36	11,70	14,04	16,38	19,82	23,40	9,36	11,70	14,04	16,38	19,82	23,40	14,04	17,54	21,06	24,57	29,73	35,10
3000	kg	17,96	23,64	29,31	34,99	43,51	52,03	28,02	37,65	47,27	56,90	71,34	85,78	42,25	56,52	70,80	85,07	106,49	127,90	48,82	66,02	83,21	100,41	126,20	151,99	73,10	98,89	124,68	150,47	189,16	227,84
	ltr	5,40	6,75	8,10	9,45	11,43	13,50	5,40	6,75	8,10	9,45	11,43	13,50	10,80	13,50	16,20	18,90	22,87	27,00	10,80	13,50	16,20	18,90	22,87	27,00	16,20	20,24	24,30	28,35	34,30	40,50

Weight in kg




Water content in ltr

Weight allowance for therm-x2 Profile-V/-VM: 0,5 kg

Please note

There is a limited length spectrum available for therm-x2 Profile-VM.

THERM-X2® PROFILE-K/-V/-VM RADIATOR DIMENSIONING

Registered output data therm-x2 ProfileK / therm-x2 Profile-V / Profile-VM										
Height mm	Type 10		Type 11		Type 12		Type 22		Type 33	
	Φ_{SL} W/m	n	Φ_{SL} W/m	n	Φ_{SL} W/m	n	Φ_{SL} W/m	n	Φ_{SL} W/m	n
300	335	1,2361	551	1,2196	720	1,2731	959	1,2776	1381	1,2839
400	425	1,2550	697	1,2371	894	1,2810	1207	1,2827	1744	1,2900
500	514	1,2739	840	1,2546	1063	1,2889	1441	1,2879	2081	1,2962
600	602	1,2928	979	1,2721	1229	1,2969	1666	1,2930	2394	1,3023
750	736	1,2932	1185	1,2833	1475	1,3156	1987	1,3000	2645	1,2967
900	872	1,2935	1390	1,3044	1723	1,3343	2295	1,3069	3214	1,3290
Radiated portion	50 %		35 %		 30 %	 30 %		 20 %		

Φ_{SL} = standard heat output based on 1 m length,
according to DIN EN 442 at
a flow temperature of $t_V = 75^\circ\text{C}$,
a return temperature of $t_R = 65^\circ\text{C}$ and
a room temperature of $t_L = 20^\circ\text{C}$
n = exponent of the space heater characteristic curve

Based on the registered heat outputs per m length,
the standard heat outputs indicated in the output
tables occur for the individual installation sizes.

$$\Phi_{SL} = \Phi_{SL} \times \text{Length in m}$$



THERM-X2® PROFILE -K/-V/-VM

STANDARD HEAT OUTPUT IN WATTS

Room temperature 20°C
Hot water temperature 75/65°C

Length mm	Type Watt/m 75/65°C	Height 300									Height 400									Height 500									Height 600									Height 750									Height 900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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400	W 75/65°C	134	220	288	384	520	170	279	358	483	653	206	336	425	576	778	241	392	492	666	894	294	474	590	795	1058	349	556	689	918	1209	404	636	786	1062	1404	461	708	876	1164	1564	520	784	964	1264	1688	580	856	1048	1364	1812	641	928	1132	1464	1936	704	992	1208	1552	2048	768	1064	1292	1648	2168	834	1132	1372	1732	2284	900	1200	1452	1824	2400	968	1272	1532	1912	2504	1036	1344	1612	1992	2612	1104	1416	1692	2072	2728	1172	1488	1772	2148	2824	1240	1564	1852	2224	2932	1308	1640	1932	2312	3040	1376	1716	2012	2400	3148	1444	1788	2088	2488	3256	1512	1856	2152	2576	3364	1576	1920	2216	2664	3472	1640	1984	2280	2752	3576	1704	2040	2344	2832	3680	1768	2104	2408	2912	3784	1832	2160	2472	2992	3888	1896	2216	2536	3072	3992	1960	2272	2600	3152	4096	2024	2328	2664	3232	4200	2088	2384	2728	3312	4304	2152	2440	2784	3392	4408	2216	2496	2848	3472	4512	2280	2552	2912	3552	4616	2344	2608	2976	3632	4720	2408	2664	3040	3712	4824	2472	2716	3104	3792	4928	2536	2768	3168	3872	5032	2600	2816	3232	3952	5136	2664	2872	3296	4032	5240	2728	2928	3360	4112	5344	2792	2984	3424	4192	5448	2856	3040	3488	4272	5552	2920	3096	3552	4352	5656	2984	3144	3616	4432	5760	3048	3200	3680	4512	5864	3112	3248	3744	4592	5968	3176	3304	3808	4672	6072	3240	3360	3872	4752	6176	3304	3408	3936	4832	6280	3368	3464	3992	4912	6384	3432	3512	4056	4992	6488	3504	3568	4120	5072	6592	3568	3624	4184	5152	6696	3632	3672	4240	5232	6800	3704	3728	4304	5312	6904	3768	3784	4368	5392	7008	3832	3832	4424	5472	7112	3904	3888	4488	5552	7216	3968	3944	4544	5632	7320	4032	4000	4608	5712	7424	4104	4056	4672	5792	7528	4168	4112	4736	5872	7632	4232	4168	4792	5952	7736	4304	4216	4856	6032	7840	4368	4272	4912	6112	7944	4432	4320	4976	6192	8048	4504	4376	5032	6272	8152	4568	4432	5096	6352	8256	4632	4480	5152	6432	8360	4704	4536	5216	6512	8464	4768	4592	5280	6592	8568	4832	4640	5344	6672	8672	4904	4696	5408	6752	8776	4968	4752	5472	6832	8880	5032	4808	5536	6912	8984	5104	4864	5600	6992	9088	5168	4912	5664	7072	9192	5232	4968	5728	7152	9296	5304	5024	5792	7232	9400	5368	5080	5856	7312	9504	5432	5136	5920	7392	9608	5504	5192	5984	7472	9712	5568	5248	6048	7552	9816	5632	5304	6112	7632	9920	5704	5360	6176	7712	10024	5768	5416	6240	7792	10128	5832	5472	6304	7872	10232	5904	5528	6368	7952	10336	5968	5584	6432	8032	10440	6032	5640	6496	8112	10544	6104	5696	6560	8192	10648	6168	5752	6624	8272	10752	6232	5808	6688	8352	10856	6304	5864	6752	8432	10960	6368	5912	6816	8512	11064	6432	5968	6880	8592	11168	6504	6024	6944	8672	11272	6568	6080	7008	8752	11376	6632	6136	7072	8832	11480	6704	6192	7136	8912	11584	6768	6248	7200	8992	11688	6832	6304	7264	9072	11792	6904	6360	7328	9152	11896	6968	6416	7392	9232	12000	7032	6472	7456	9312	12104	7104	6528	7520	9392	12208	7168	6584	7584	9472	12312	7232	6640	7648	9552	12416	7304	6696	7712	9632	12520	7368	6752	7776	9712	12624	7432	6808	7840	9792	12728	7504	6864	7904	9872	12832	7568	6912	7968	9952	12936	7632	6968	8032	10032	13040	7704	7024	8096	10112	13144	7768	7080	8160	10192	13248	7832	7136	8224	10272	13352	7904	7192	8288	10352	13456	7968	7248	8352	10432	13560	8032	7304	8416	10512	13664	8104	7360	8480	10592	13768	8168	7416	8544	10672	13872	8232	7472	8608	10752	13976	8304	7528	8672	10832	14080	8368	7584	8736	10912	14184	8432	7640	8800	10992	14288	8504	7696	8864	11072	14392	8568	7752	8928	11152	14496	8632	7808	8992	11232	14600	8704	7864	9056	11312	14704	8768	7912	9120	11392	14808	8832	7968	9184	11472	14912	8904	8024	9248	11552	15016	8968	8080	9312	11632	15120	9032	8136	9376	11712	15224	9104	8192	9440	11792	15328	9168	8248	9504	11872	15432	9232	8304	9568	11952	15536	9304	8360	9632	12032	15640	9368	8416	9696	12112	15744	9432	8472	9760	12192	15848	9504	8528	9824	12272	15952	9568	8584	9888	12352	16056	9632	8640	9952	12432	16160	9704	8696	10016	12512	16264	9768	8752	10080	12592	16368	9832	8808	10144	12672	16472	9904	8864	10208	12752	16576	9968	8912	10272	12832	16680	10032	8968	10336	12912	16784	10104	9024	10400	12992	16888	10168	9080	10464	13072	16992	10232	9136	10528	13152	17096	10304	9192	10592	13232	17200	10368	9248	10656	13312	17304	10432	9304	10720	13392	17408	10504	9360	10784	13472	17512	10568	9416	10848	13552	17616	10632	9472	10912	13632	17720	10704	9528	10976	13712	17824	10768	9584	11040	13792	17928	10832	9640	11104	13872	18032	10904	9696	11168	13952	18136	10968	9752	11232	14032	18240	11032	9808	11296	14112	18344	11104	9864	11360	14192	18448	11168	9912	11424	14272	18552	11232	9968	11488	14352	18656	11304	10024	11552	14432	18760	11368	10080	11616	14512	18864	11432	10136	11680	14592	18968	11504	10192	11744	14672	19072	11568	10248	11808	14752	19176	11632	10304	11872	14832	19280	11704	10360	11936	14912	19384	11768	10416	12000	14992	19488	11832	10472	12064	15072	19592	11904	10528	12128	15152	19696	11968	10584	12192	15232	19800	12032	10640	12256	15312	19904	12104	10696	12320	15392	20008	12168	10752	12384	15472	20112	12232	10808	12448	15552	20216	12304	10864	12512	15632	20320	12368	10912	12576	15712	20424	12432	10968	12640	15792	20528	12504	11024	12704	15872	20632	12568	11080	12768	15952	20736	12632	11136	12832	16032	20840	12704	11192	12896	16112	20944	12768	11248	12960	16192	21048	12832	11304	13024	16272	21152	12904	11360	13088	16352	21256	12968	11416	13152	16432	21360	13032	11472	13216	16512	21464	13104	11528	13280	16592	21568	13168	11584	13344	16672	21672	13232	11640	13408	16752	21776	13304	11696	13472	16832	21880	13368	11752	13536	16912	21984	13432	11808	13600	16992	22088	13504	11864	13664	17072	22192	13568	11912	13728	17152	22296	13632	11968	13792	17232	22400	13704	12024	13856	17312	22504	13768	12080	13920	17392	22608	13832	12136	13984	17472	22712	13904	12192	14048	17552	22816	13968	12248	14112	17632	22920	14032	12304	14176	17712	23024	14104	12360	14240	17792	23128	14168	12416	14304	17872	23232	14232	12472	14368	17952	23336	14304	12528	14432	18032	23440	14368	12584	14496	18112	23544	14432	12640	14560	18192	23648	14504	12696	14624	18272	23752	14568	12752	14688	18352	23856	14632	12808	14752	18432	23960	14704	12864	14816	18512	24064	14768	12912	14880	18592	24168	14832	12968	14944	18672	24272	14904	13024	15008	18752	24376	14968	13080	15072	18832	24480	15032	13136	15136	18912	24584	15104	13192	15200	18992	24688	15168	13248	15264	19072	24792	15232	13304	15328	19152	24896	15304	13360	15392	19232	25000	15368	13416	15456	19312	25104	15432	13472	15520	19392	25208	15504	13528	15584	19472	25312	15568	13584	15648	19552	25416	15632	13640	15712	19632	25520	15704	13696	15776	19712	25624	15768	13752	15840	19792	25728	15832	13808	15904	19872	25832	15904	13864	15968	19952

THERM-X2® PROFILE-K/-V/-VM

HEAT OUTPUT IN WATTS PER RADIATOR METRE

Room temperature	Type	Height 300									Height 400									Height 500									Height 600									Height 750									Height 900																																																																																																																																																																																																																																																																																																																																																																																																																																																
		10			11			12			22			33			10			11			12			22			33			10			11			12			22			33			10			11			12			22			33																																																																																																																																																																																																																																																																																																																																																																																																																																				
		in watts per metre																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
16°C	70/55°C	304	501	652	868	1178	385	633	809	1092	1479	465	762	961	1303	1759	544	887	1111	1506	2023	665	1072	1331	1796	2391	788	1256	1553	2073	2730	55/45°C	70/55°C	207	343	438	583	794	261	430	543	732	994	313	515	643	873	1181	364	596	742	1007	1355	445	717	884	1197	1596	527	836	1025	1379	1817	45/40°C	70/55°C	153	254	321	426	582	192	318	397	535	728	229	379	469	636	863	265	437	540	734	988	324	523	640	871	1162	384	608	739	1002	1319	18°C	70/55°C	288	474	616	820	1113	364	599	764	1031	1397	440	720	907	1230	1661	514	838	1048	1422	1909	628	1012	1255	1694	2256	744	1184	1463	1955	2575	55/45°C	70/55°C	192	318	405	539	734	241	399	502	677	919	289	477	594	806	1091	336	552	685	930	1251	411	663	815	1105	1474	487	772	944	1273	1677	45/40°C	70/55°C	139	231	290	385	526	174	288	358	483	658	207	343	424	575	780	239	395	487	662	893	293	473	577	786	1049	347	548	665	903	1190	20°C	70/55°C	272	448	580	772	1049	344	565	719	971	1316	414	679	854	1158	1565	483	789	986	1338	1798	591	952	1180	1594	2123	700	1114	1374	1839	2422	55/45°C	70/55°C	177	293	373	496	675	222	368	461	622	846	266	439	546	741	1003	309	507	629	854	1150	377	609	747	1015	1353	447	708	865	1168	1539	45/40°C	70/55°C	125	208	260	345	472	156	259	321	433	590	186	308	379	515	699	214	354	436	593	800	262	423	515	703	938	310	490	593	808	1064	22°C	70/55°C	256	422	545	725	985	323	532	675	911	1236	389	638	802	1087	1469	454	741	925	1255	1687	555	894	1106	1495	1991	657	1045	1287	1724	2271	55/45°C	70/55°C	162	269	341	453	618	203	337	421	568	773	243	402	499	676	917	282	464	574	780	1050	344	556	681	926	1235	408	646	787	1065	1403	45/40°C	70/55°C	111	185	231	306	419	139	231	285	384	524	165	274	336	456	620	190	314	386	525	709	232	375	455	622	831	275	434	523	714	941	24°C	70/55°C	240	396	510	679	922	303	499	632	853	1157	364	598	750	1017	1374	424	694	865	1174	1578	519	836	1033	1397	1862	614	976	1200	1611	2122	55/45°C	70/55°C	148	245	310	411	561	185	307	382	516	702	221	366	452	613	832	255	421	520	707	953	312	504	617	839	1120	370	585	711	965	1271	45/40°C	70/55°C	98	163	202	268	368	122	203	249	336	459	144	240	294	399	543	166	275	337	459	620	203	328	397	544	726	240	379	456	624	822

Please note:

For rooms with discontinued heating operation, a reheating factor, space-dependent where applicable, must be determined according to DIN EN 12831.

$$\Phi_{RH} = A * f_{RH}$$

The radiators are dimensioned according to these tables with the standard heating load Φ_{HL} determined taking account of the auxiliary heating load (Φ_{RH}). This additional heating output must be agreed with the customer/principal.

Radiator dimensioning:

The conversion table is based on the exact radiator exponents (see table "Registered output data", see page 26).

Please note

There is a limited length spectrum available for therm-x2 Profile-VM.

THERM-X2[®] PROFILE-K/-V/-VM PRE-SET k_V VALUES

Height mm	Type 10					Type 11					Type 12					Type 22					Type 33									
	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900	300	400	500	600	750	900
Length mm	<i>k_v - factory default setting</i>																													
400	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
500	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
600	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
700	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
800	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
900	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1000	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1100	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1200	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1300	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1400	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*	5,5*
1600	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5	5,5
1800	5,5*	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	4,5	6	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5
2000	5,5*	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	4,5	6	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5
2300	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	4,5	6	4,5	4,5	6	8	8	8	4,5	4,5	6	8	8	8
2600	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	2,5	4,5	2,5	2,5	2,5	2,5	4,5	6	4,5	6	8	8	8	8	4,5	6	8	8	8	8
3000	2,5	2,5	2,5	4,5	4,5	6	4,5	4,5	6	8	8	8	6	8	8	8	8	8	6	8	8	8	8	8	6	8	8	8	8	8

Note!

Two-pipe system:
Kermi valve radiators
are factory-fitted with a
valve insert matched to the
heat output.

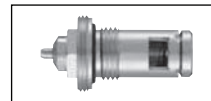
Note!

One-pipe system: If the
valve radiators are used
for the one-pipe system,
the valve insert must be
rotated to position "8".

k_V assignment according
to practical parameters
70/55/20°C at a differential
pressure of 100 mbar.

With an identical mass
flow ratio, all other tem-
perature pairings that lie
on the same characteristic
curve in the heating panel
dimensioning diagram are
also possible.

The hydraulic ratios always
remain the same.



Valve marking

	Position	Colour	k_V -values 2k
V3K F	5,5*	Yellow	0,13
V3K S	2,5	White	0,27
	4,5	Red	0,42
	6	Black	0,57
	8	Blue	0,75

* Fine-adjusting valve V3K F