Stelrad K1 and K2 Softline Compact Radiator

- All Stelrad radiators must be installed on a closed system or warranty is void
- Outside wood boilers without a heat exchanger are NOT on a closed system
- Heating PEX must be used, not potable water PEX
- Applies to all models
- All K1 and K2 radiators have a 1/2" BSP connection
- Horizontal radiators are NOT to be rotated for installation
- Valves Recommended

With gently curved top grille and end panels, the new Stelrad Softline Radiator is the mould breaking next generation compact radiator from Stelrad. Now available in heights of 8", 12", 18", 24" and 28" and a variety of lengths from 16" to 120". Most items are carried in stock and come with wall brackets, hardware pack and instructions for easy installation. Each steel radiator has a ½" BSP connection, is powder coated white (RAL 9016) and carries a ten year warranty. Valves sold separately.

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4 Stelrad K1 Softline Compact Radiator Sizes and Technical Data

PART # (Inches)	HEIGHT (mm)	LENGTH (mm)	OUTPUT btu/hr 100 °F AWT	OUTPUT btu/hr 120 °F AWT	OUTPUT btu/hr 140 °F AWT	OUTPUT btu/hr 160 °F AWT	WEIGHT (Lbs)	Rough-In from finished wall	Rough-In distance apart centre to centre**
K1 12 20	300	500	248	406	626	868	10	2 1/8" or 2 5/8"	23 3/4"
K1 12 24	300	600	298	488	750	1044	12	2 1/8" or 2 5/8"	27 1/2"
K1 12 32	300	800	398	651	1000	1392	16	2 1/8" or 2 5/8"	35 1/2 "
K1 12 36	300	900	445	728	1125	1556	18	2 1/8" or 2 5/8"	39 3/8"
K1 12 40	300	1000	496	812	1252	1737	21	2 1/8" or 2 5/8"	43 1/4"
K1 12 48	300	1200	597	976	1500	2088	24	2 1/8" or 2 5/8"	51 1/4"
K1 12 60	300	1500	744	1217	1878	2605	31	2 1/8" or 2 5/8"	63"
K1 12 72	300	1800	895	1464	2250	3132	36	2 1/8" or 2 5/8"	74 3/4"
K1 12 84	300	2100	1042	1705	2629	3646	44	2 1/8" or 2 5/8"	86 5/8"
K1 12 94	300	2400	1190	1949	3005	4166	49	2 1/8" or 2 5/8"	98 1/2"
K1 12 120	300	3000	1488	2435	3756	5210	62	2 1/8" or 2 5/8"	122"
K1 18 16	450	400	295	482	744	1032	13	2 1/8" or 2 5/8"	19 5/8"
K1 18 20	450	500	368	603	930	1290	16	2 1/8" or 2 5/8"	23 3/4"
K1 18 24	450	600	442	723	1116	1548	19	2 1/8" or 2 5/8"	27 1/2"
K1 18 28	450	700	516	844	1302	1806	22	2 1/8" or 2 5/8"	31 1/2"
K1 18 32	450	800	589	964	1488	2064	26	2 1/8" or 2 5/8"	35 1/2"
K1 18 36	450	900	663	1085	1674	2322	29	2 1/8" or 2 5/8"	39 3/8"
K1 18 40	450	1000	737	1205	1859	2579	32	2 1/8" or 2 5/8"	43 1/4"
K1 18 44	450	1100	810	1326	2045	2837	35	2 1/8" or 2 5/8"	47 1/4"
K1 18 48	450	1200	884	1446	2231	3095	38	2 1/8" or 2 5/8"	51 1/4"
K1 18 60	450	1500	1104	1809	2790	3870	48	2 1/8" or 2 5/8"	63"
K1 18 72	450	1800	1326	2170	3348	4643	57	2 1/8" or 2 5/8"	74 3/4"
K1 18 80	450	2000	1473	2411	3720	5159	64	2 1/8" or 2 5/8"	82 5/8"
K1 18 86	450	2200	1621	2652	4092	5675	70	2 1/8" or 2 5/8"	90 1/2"
K1 18 94	450	2400	1768	2893	4464	6191	77	2 1/8" or 2 5/8"	98 1/2"
K1 18 100	450	2600	1915	3134	4836	6707	83	2 1/8" or 2 5/8"	106 1/4"
K1 18 110	450	2800	2063	3375	5208	7223	89	2 1/8" or 2 5/8"	114 1/8"
K1 18 120	450	3000	2210	3616	5579	7738	96	2 1/8" or 2 5/8"	122"

AWT = Average Water Temperature

* K1-08 models are discontinued.

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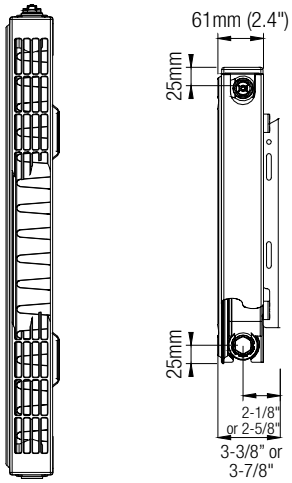
Stelrad K1 Softline Compact Radiator Sizes and Technical Data

PART # (Inches)	HEIGHT (mm)	LENGTH (mm)	OUTPUT btu/hr 100 °F AWT	OUTPUT btu/hr 120 °F AWT	OUTPUT btu/hr 140 °F AWT	OUTPUT btu/hr 160 °F AWT	WEIGHT (Lbs)	Rough-In from finished wall	Rough-In distance apart centre to centre**
K1 24 16	600	400	382	625	965	1338	17	2 1/8" or 2 5/8"	19 5/8"
K1 24 20	600	500	477	781	1206	1672	22	2 1/8" or 2 5/8"	23 3/4"
K1 24 24	600	600	573	937	1446	2006	26	2 1/8" or 2 5/8"	27 1/2"
K1 24 28	600	700	669	1094	1688	2341	30	2 1/8" or 2 5/8"	31 1/2"
K1 24 32	600	800	764	1250	1929	2675	35	2 1/8" or 2 5/8"	35 1/2"
K1 24 36	600	900	859	1406	2169	3009	39	2 1/8" or 2 5/8"	39 3/8"
K1 24 40	600	1000	955	1563	2411	3344	43	2 1/8" or 2 5/8"	43 1/4"
K1 24 44	600	1100	1050	1719	2652	3678	48	2 1/8" or 2 5/8"	47 1/4"
K1 24 48	600	1200	1146	1875	2893	4013	52	2 1/8" or 2 5/8"	51 1/4"
K1 24 60	600	1500	1431	2343	3618	5016	65	2 1/8" or 2 5/8"	63"
K1 24 64	600	1600	1528	2500	3857	5350	69	2 1/8" or 2 5/8"	67"
K1 24 72	600	1800	1719	2813	4340	6019	78	2 1/8" or 2 5/8"	74 3/4"
K1 24 80	600	2000	1910	3125	4822	6688	87	2 1/8" or 2 5/8"	82 5/8"
K1 24 84	600	2100	2003	3280	5065	7022	91	2 1/8" or 2 5/8"	86 5/8"
K1 24 86	600	2200	2101	3437	5304	7356	95	2 1/8" or 2 5/8"	90 1/2"
K1 24 94	600	2400	2292	3750	5786	8025	104	2 1/8" or 2 5/8"	98 1/2"
K1 24 100	600	2600	2483	4063	6268	8694	113	2 1/8" or 2 5/8"	106 1/4"
K1 24 110	600	2800	2674	4375	6751	9363	121	2 1/8" or 2 5/8"	114 1/8"
K1 24 120	600	3000	2864	4687	7232	10031	130	2 1/8" or 2 5/8"	122"
K1 28 16	700	400	435	712	1099	1524	20	2 1/8" or 2 5/8"	19 5/8"
K1 28 20	700	500	544	891	1374	1906	25	2 1/8" or 2 5/8"	23 3/4"
K1 28 24	700	600	653	1069	1649	2287	30	2 1/8" or 2 5/8"	27 1/2"
K1 28 28	700	700	762	1247	1924	2668	35	2 1/8" or 2 5/8"	31 1/2"
K1 28 32	700	800	871	1425	2198	3049	40	2 1/8" or 2 5/8"	35 1/2"
K1 28 36	700	900	980	1603	2473	3431	46	2 1/8" or 2 5/8"	39 3/8"
K1 28 48	700	1200	1304	2133	3298	4574	60	2 1/8" or 2 5/8"	51 1/4"

K1 Single Panel



**Rough in measurements based on using Herz minisets (VA-1773484C, VA-1773485P) V-CROSSH16C or P, V-CHROMELSC or P and VA-CHROMETRVSET-C or P.

- Deduct ½" total if using Herz valve sets, items: 3, 7, 8, 9, 10, 11, 12 or items 26, 31 and 36 used as a pair
- WE RECOMMEND USING OUR RADIATOR VALVES OR CONNECTORS TO ALL OUR RADIATORS AND TOWEL WARMERS. ALL STELRAD RADIATORS AND TOWEL WARMERS HAVE A BSP THREAD AND NOT NPT
- J-Brackets not an option for K1 or S1 models

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6 Stelrad K2 Softline Compact Radiator Sizes and Technical Data

PART # (Inches)	HEIGHT (mm)	LENGTH (mm)	OUTPUT btu/hr 100 °F AWT	OUTPUT btu/hr 120 °F AWT	OUTPUT btu/hr 140 °F AWT	OUTPUT btu/hr 160 °F AWT	WEIGHT (Lbs)	Rough-In from finished wall	Rough-In distance apart centre to centre**
K2 08 20	200	500	413	676	1053	1449	15	3" or 3 3/4"	23 3/4"
K2 08 24	200	600	496	812	1264	1740	17	3" or 3 3/4"	27 1/2"
K2 08 32	200	800	662	1083	1685	2320	22	3" or 3 3/4"	35 1/2"
K2 08 36	200	900	744	1218	1899	2610	25	3" or 3 3/4"	39 3/8"
K2 08 40	200	1000	826	1352	2107	2899	27	3" or 3 3/4"	43 1/4"
K2 08 48	200	1200	993	1624	2528	3480	31	3" or 3 3/4"	51 1/4"
K2 08 60	200	1500	1239	2028	3160	4348	38	3" or 3 3/4"	63"
K2 08 72	200	1800	1489	2436	3791	5220	45	3" or 3 3/4"	74 3/4"
K2 08 84	200	2100	1785	2839	4423	6086	51	3" or 3 3/4"	86 5/8"
K2 08 94	200	2400	1982	3245	5055	6955	58	3" or 3 3/4"	98 1/2"
K2 08 98	200	2500	2064	3378	5264	7244	60	3" or 3 3/4"	102 3/8"
K2 08 120	200	3000	2477	4054	6317	8693	72	3" or 3 3/4"	122"
K2 12 20	300	500	478	783	1208	1675	18	3" or 3 1/2"	23 3/4"
K2 12 24	300	600	574	940	1452	2010	22	3" or 3 1/2"	27 1/2"
K2 12 32	300	800	766	1253	1936	2680	29	3" or 3 1/2"	35 1/2"
K2 12 36	300	900	861	1409	2178	3015	32	3" or 3 1/2"	39 3/8"
K2 12 40	300	1000	957	1566	2416	3351	37	3" or 3 1/2"	43 1/4"
K2 12 48	300	1200	1148	1879	2904	4020	43	3" or 3 1/2"	51 1/4"
K2 12 60	300	1500	1435	2349	3624	5026	55	3" or 3 1/2"	63"
K2 12 72	300	1800	1723	2819	4356	6030	65	3" or 3 1/2"	74 3/4"
K2 12 84	300	2100	2008	3289	5074	7035	78	3" or 3 1/2"	86 5/8"
K2 12 94	300	2400	2294	3758	5798	8040	88	3" or 3 1/2"	98 1/2"
K2 12 120	300	3000	2870	4697	7247	10052	111	3" or 3 1/2"	122"
K2 18 16	450	400	534	874	1349	1871	23	3" or 3 1/2"	19 5/8"
K2 18 20	450	500	668	1093	1686	2339	28	3" or 3 1/2"	23 3/4"
K2 18 24	450	600	801	1311	2024	2807	34	3" or 3 1/2"	27 1/2"
K2 18 28	450	700	935	1530	2361	3274	40	3" or 3 1/2"	31 1/2"
K2 18 32	450	800	1069	1749	2698	3742	46	3" or 3 1/2"	35 1/2"
K2 18 36	450	900	1202	1967	3035	4210	51	3" or 3 1/2"	39 3/8"
K2 18 40	450	1000	1336	2186	3373	4678	57	3" or 3 1/2"	43 1/4"
K2 18 44	450	1100	1470	2405	3710	5146	63	3" or 3 1/2"	47 1/4"
K2 18 48	450	1200	1603	2623	4047	5613	68	3" or 3 1/2"	51 1/4"
K2 18 55	450	1400	1870	3060	4722	6549	80	3" or 3 1/2"	59"
K2 18 60	450	1500	2004	3279	5058	7017	85	3" or 3 1/2"	63"
K2 18 64	450	1600	2138	3498	5397	7485	91	3" or 3 1/2"	67"
K2 18 72	450	1800	2404	3934	6071	8420	103	3" or 3 1/2"	74 3/4"
K2 18 80	450	2000	2672	4372	6746	9356	114	3" or 3 1/2"	82 5/8"
K2 18 84	450	2100	2806	4591	7081	9824	120	3" or 3 1/2"	86 5/8"
K2 18 86	450	2200	2939	4809	7420	10291	125	3" or 3 1/2"	90 1/2"
K2 18 94	450	2400	3206	5246	8095	11227	137	3" or 3 1/2"	98 1/2"
K2 18 100	450	2600	3473	5683	8769	12162	148	3" or 3 1/2"	106 1/4"
K2 18 110	450	2800	3740	6120	9444	13098	160	3" or 3 1/2"	114 1/8"
K2 18 120	450	3000	4008	6558	10119	14034	171	3"	122"

AWT = Average Water Temperature

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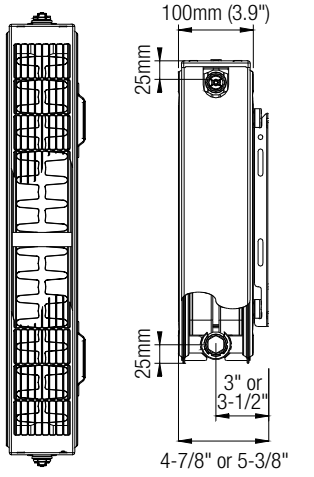
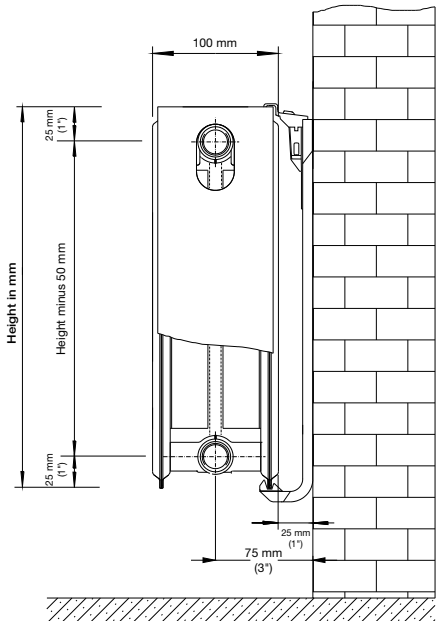
Stelrad K2 Softline Compact Radiator Sizes and Technical Data

PART # (Inches)	HEIGHT (mm)	LENGTH (mm)	OUTPUT btu/hr 100 °F AWT	OUTPUT btu/hr 120 °F AWT	OUTPUT btu/hr 140 °F AWT	OUTPUT btu/hr 160 °F AWT	WEIGHT (Lbs)	Rough-In from finished wall	Rough-In distance apart centre to centre**
K2 24 16	600	400	675	1104	1704	2364	31	3" or 3 1/2"	19 5/8"
K2 24 20	600	500	844	1381	2131	2955	39	3" or 3 1/2"	23 3/4"
K2 24 24	600	600	1013	1657	2557	3546	46	3" or 3 1/2"	27 1/2"
K2 24 28	600	700	1181	1933	2983	4137	54	3" or 3 1/2"	31 1/2"
K2 24 32	600	800	1350	2209	3409	4728	62	3" or 3 1/2"	35 1/2"
K2 24 36	600	900	1519	2485	3835	5319	69	3" or 3 1/2"	39 3/8"
K2 24 40	600	1000	1688	2762	4261	5910	77	3" or 3 1/2"	43 1/4"
K2 24 44	600	1100	1856	3038	4687	6501	85	3" or 3 1/2"	47 1/4"
K2 24 48	600	1200	2025	3314	5113	7092	92	3" or 3 1/2"	51 1/4"
K2 24 55	600	1400	2362	3866	5965	8273	108	3" or 3 1/2"	59"
K2 24 60	600	1500	2532	4143	6393	8865	116	3" or 3 1/2"	63"
K2 24 64	600	1600	2700	4418	6817	9455	123	3" or 3 1/2"	67"
K2 24 72	600	1800	3038	4971	7669	10637	139	3" or 3 1/2"	74 3/4"
K2 24 80	600	2000	3375	5523	8521	11819	154	3" or 3 1/2"	82 5/8"
K2 24 84	600	2100	3545	5800	8950	12411	162	3" or 3 1/2"	86 5/8"
K2 24 86	600	2200	3713	6075	9374	13001	169	3" or 3 1/2"	90 1/2"
K2 24 94	600	2400	4050	6628	10226	14183	185	3" or 3 1/2"	98 1/2"
K2 24 100	600	2600	4388	7180	11078	15365	200	3" or 3 1/2"	106 1/4"
K2 24 110	600	2800	4725	7732	11930	16547	216	3" or 3 1/2"	114 1/8"
K2 24 120	600	3000	5063	8284	12783	17729	231	3" or 3 1/2"	122"
K2 28 16	700	400	764	1250	1929	2676	36	3" or 3 1/2"	19 5/8"
K2 28 20	700	500	955	1563	2412	3345	45	3" or 3 1/2"	23 3/4"
K2 28 24	700	600	1146	1876	2895	4015	53	3" or 3 1/2"	27 1/2"
K2 28 28	700	700	1338	2189	3377	4684	62	3" or 3 1/2"	31 1/2"
K2 28 32	700	800	1529	2501	3860	5353	71	3" or 3 1/2"	35 1/2"
K2 28 36	700	900	1720	2815	4343	6024	80	3" or 3 1/2"	39 3/8"
K2 28 48	700	1200	2293	3752	5790	8030	106	3" or 3 1/2"	51 1/4"

K2 Double Panel





J-Bracket

**Rough in measurements based on using Herz minisets (VA-1773484C, VA-1773485P), V-CROSSH16C or P, V-CHROMELSC or P and VA-CHROMETRVSET-C or P.

- Deduct ½" total if using Herz valve sets, items: 3, 7, 8, 9, 10, 11, 12 or items 26, 31 and 36 used as a pair
- WE RECOMMEND USING OUR RADIATOR VALVES OR CONNECTORS TO ALL OUR RADIATORS AND TOWEL WARMERS. ALL STELRAD RADIATORS AND TOWEL WARMERS HAVE A BSP THREAD AND NOT NPT
- J-Brackets (Rough-in 3" from finished wall) available for all sizes of the K2 and S2 models

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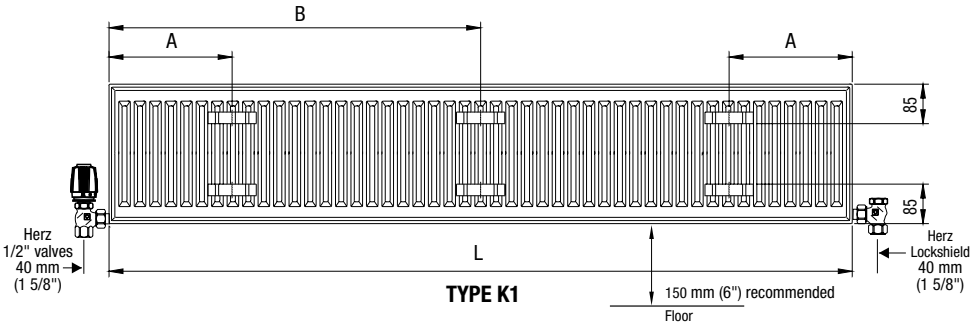
8 Stelrad Softline Compact Radiator K1 and K2 Technical Data

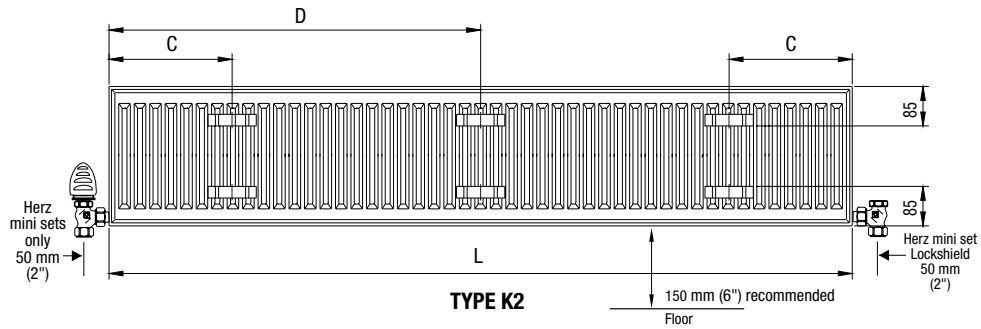
SOFTLINE COMPACT LUG POSITIONS

K1				
L	A		B	
	(mm)	(Inches)	(mm)	(Inches)
400	117	4.625	-	-
500 - 1100	150	6	-	-
1200 - 1600	150	6	-	-
1800 - 3000	150	6	L/2 + 17	L/2 + .625

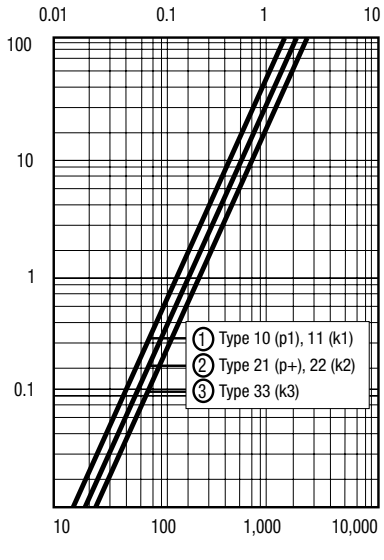
- 2 brackets for radiators 16" (400 mm) - 64" (1600 mm) long
- 3 brackets for radiators 72" (1800 mm) - 120" (3000 mm) long
- Please refer to pages 6 and 7 for specific unit rough ins



K2			
L	C		D
	(mm)	(Inches)	
400	133	5.25	-
500 - 1100	133	5.25	-
1200 - 1600	133	5.25	-
1800 - 3000	133	5.25	(L/2)



Pressure Drops
VALUE KV



FLOWRATE l/h

Directions for the Metric Pressure Drop Chart based on 160°F supply Temperature

STEP 1: Find the flow Rate in GPM
The flow rate is the output of the radiator at 160°F divided by 10,000 = GPM

STEP 2: Convert From GPM to L/H
Multiply GPM x 227 = Flow Rate in L/H

STEP 3: Find Pressure Drop In kPA
Look up the chart from L/Hr to find the pressure drop in KPA

STEP 4: Convert kPA to Feet of Head
Multiply kPa x 0.3346 = Pressure drop in Feet of Head 1bar=33.46 ft/head

Example: K2 24 x 24

Output at 160°F is 3546
Flow Rate in GPM = 3546/10000 = .3546GPM
GPM x 227 = litre/hour
.3546 x 227 = 80.49 L/H
80.49 = 0.08 kPA
.08 x .3346 = 0.026768 ft/h

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