

Flomasta Engineered for the trade

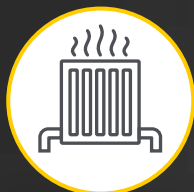
Trade quality steel
panel radiators

- ✓ 15 year guarantee
- ✓ Over 120 sizes available
- ✓ Van ready packaging
- ✓ High thermal output



02

Flomasta Steel Panel Radiators



Efficiency

High thermal output.



Guarantee

15 year guarantee offering confidence to the trade that they can fit and forget.

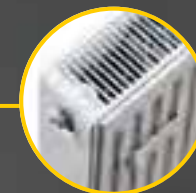


Finish

Traffic white paint finish, RAL code 9016, with high quality coverage.



03



Fit

Side panels and top grill fit snugly and flush to the radiator edge, no gaps or movement.



Design

Valve connections flush to the radiator edge, preventing damage.

Best in class fit, finish and features

04 Features

- High corrosion resistance with nano Zirconium coating.
- Max working pressure: 10 bar and 120 degrees.
- Flomasta steel panel radiators are tested against EN442-1 and comply with the latest CE construction product regulations.

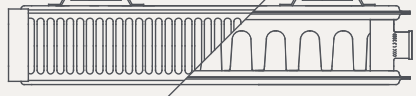


Over 120 sizes available 05

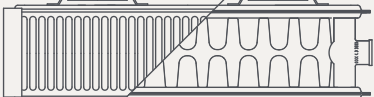
Type 11



Type 21



Type 22



H(mm)	L(mm)	T11	T21	T22	H(mm)	L(mm)	T11	T21	T22	H(mm)	L(mm)	T11	T21	T22
300	600	✓			500	600	✓	✓	✓	600	1000	✓	✓	✓
	800		✓	✓		700	✓	✓	✓		1100	✓	✓	✓
	1000		✓	✓		800	✓	✓	✓		1200	✓	✓	✓
	1200	✓	✓	✓		900	✓	✓	✓		1400	✓	✓	✓
	1400			✓		1000	✓	✓	✓		1600	✓	✓	✓
	1800			✓		1100	✓	✓	✓		1800	✓	✓	✓
	2000			✓		1200	✓	✓	✓		2000		✓	✓
400	600	✓	✓	✓	600	1400	✓	✓	✓	700	600	✓	✓	✓
	700			✓		1600	✓	✓	✓		700	✓	✓	✓
	800	✓	✓	✓		1800	✓	✓	✓		800	✓	✓	✓
	900	✓	✓	✓		400	✓	✓	✓		900	✓	✓	✓
	1000	✓	✓	✓		500	✓	✓	✓		1000	✓	✓	✓
	1100	✓	✓	✓		600	✓	✓	✓		1100	✓	✓	✓
500	1200	✓	✓	✓	600	700	✓	✓	✓		1200	✓	✓	✓
	400	✓		✓		800	✓	✓	✓					
	500	✓	✓	✓		900	✓	✓	✓					

06 Van Ready Packaging

We've worked hard to ensure our radiators are packed as securely as possible, with extra packing around the corners of the radiators to protect the product from dents and deformations in transit.

Spare side panels and grills available in store.



④ **EPP 40 Density Styrofoam** applied to four corners



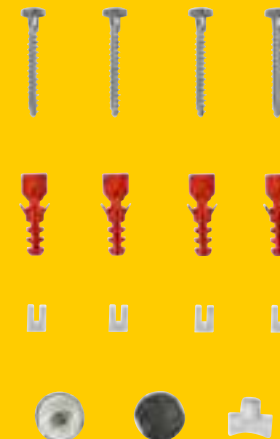
④ **Protective plastic** around the brackets



④ A **cardboard box** is the final level of protection after **shrink-wrapping and bubblewrap**

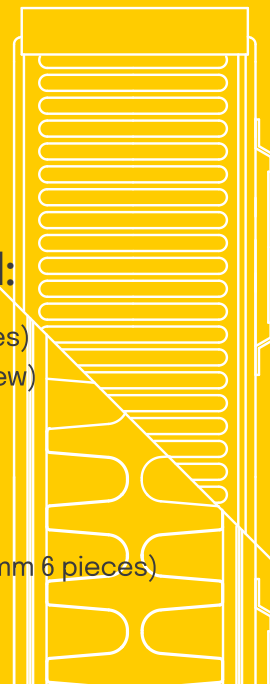


07



Fittings & Fixings included:

- ④ 2x **Wall bracket** (for L>1600 mm 3 pieces)
- ④ 4 x **Screw** (for L>1600 mm 6 pieces Screw)
- ④ 4 x **Dowel** (wall plug) (for L>1600 mm 6 pieces)
- ④ 1 x **Blind Plug**
- ④ 1 x **Bleed plug** (air vent plug)
- ④ 4 x **Bracket buffer plastic** (for L>1600 mm 6 pieces)
- ④ 1 x **Bleed plug key** (air vent key)

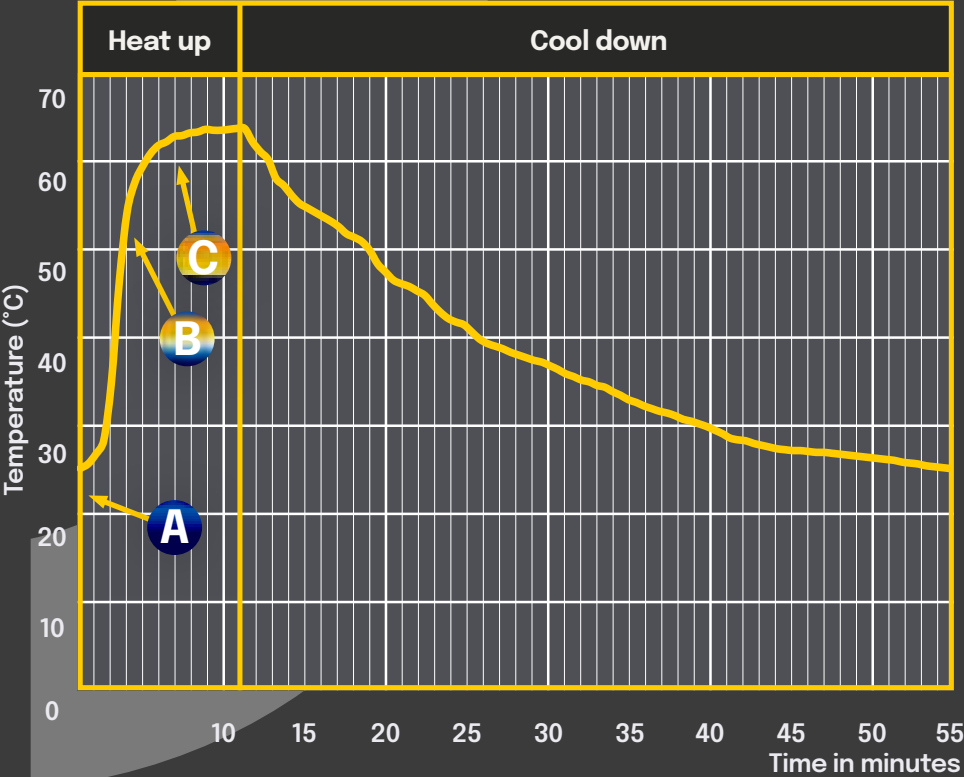


08 Radiator thermal performance

Fully & independently tested.
We have ensured our products heat up quickly and retain heat for longer.

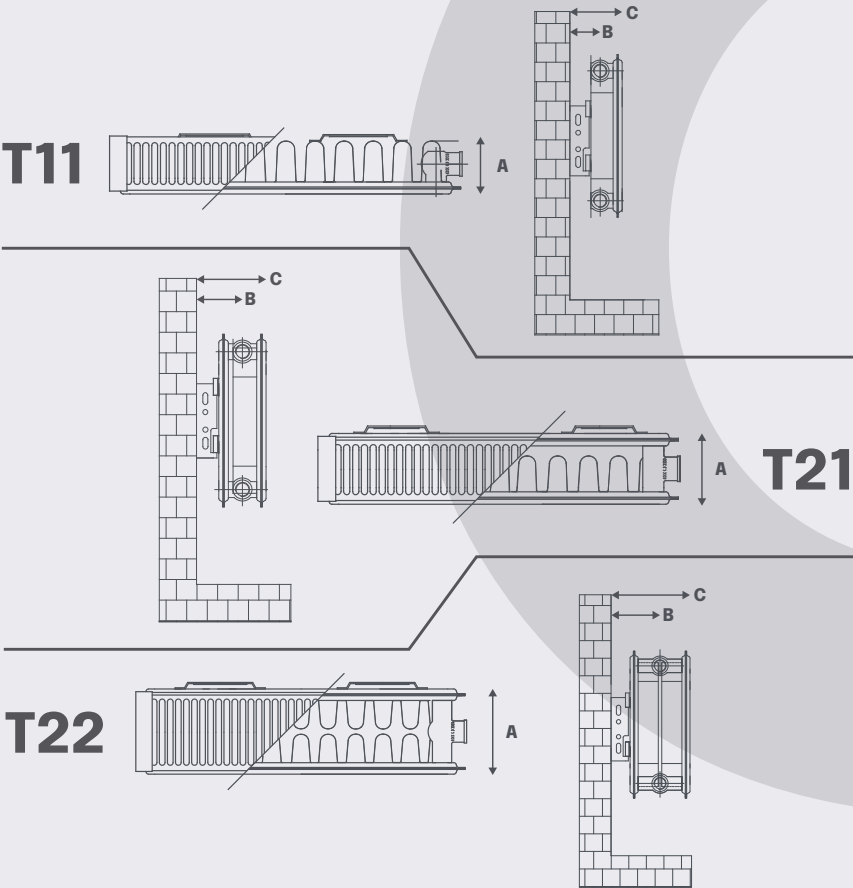
Time (min)	Temperature (°C)	Thermographic Picture
0	25.4	 A
3	54.2	 B
7	63	 C

09

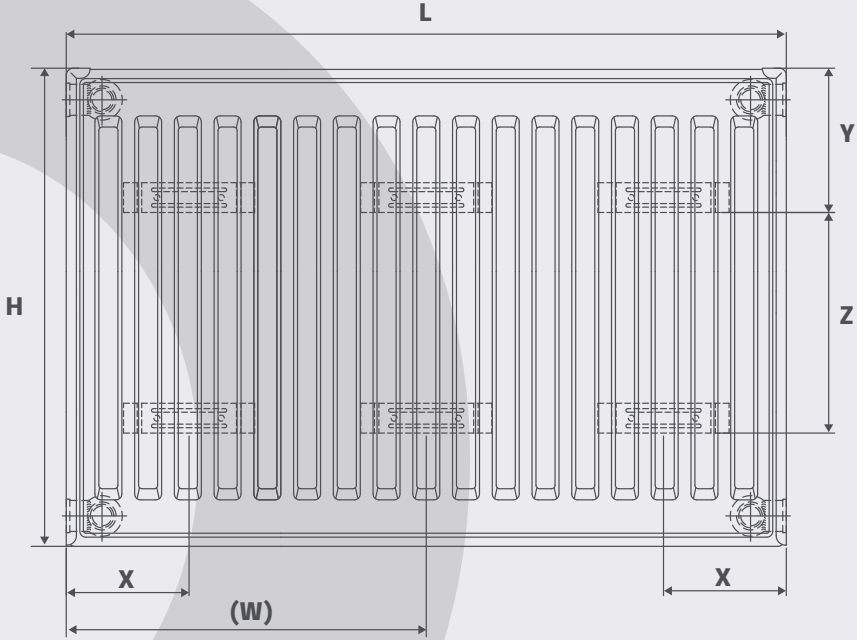


10 Radiator types

	Type 11	Type 21	Type 22
A (Radiator depth in mm)	53	70	104
B (Maximum length from wall to radiator centre in mm)	63+/-2mm	81+/-2mm	98+/-2mm
B (Minimum length from wall to radiator centre in mm)	48+/-2mm	66+/-2mm	83+/-2mm
C (Maximum length from wall to radiator in mm)	99+/-2mm	116+/-2mm	135+/-2mm
C (Minimum length from wall to radiator in mm)	84+/-2mm	101+/-2mm	150+/-2mm



Dimensions 11



Type 11			
L(mm)	X(mm)	No. of brackets	W(mm)
400	117	4	N/A
500	117	4	
600	117	4	
700	117	4	
800	117	4	
900	117	4	
1000	117	4	
1100	117	4	
1200	117	4	
1400	117	4	
1600	117	4	
1800	117	6	

Type 21/22			
L(mm)	X(mm)	No. of brackets	W(mm)
400	101	4	N/A
500	101	4	
600	101	4	
700	101	4	
800	101	4	
900	101	4	
1000	101	4	
1100	101	4	
1200	101	4	
1400	101	4	
1600	101	4	
1800	101	6	900
2000	101	6	1000

Type 11/21/22		
H(mm)	Y(mm)	Z(mm)
300	120	85
400	120	185
500	120	285
600	120	385
700	120	485

All figures are approximate and may be subject to variation.

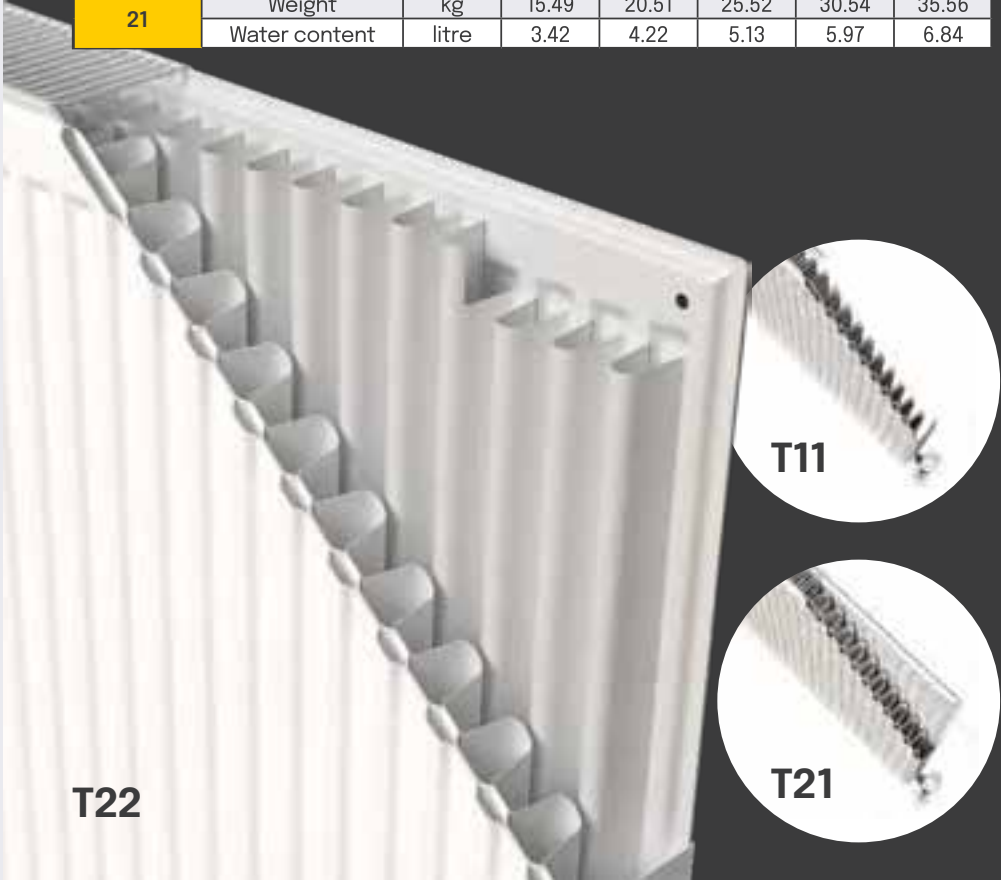
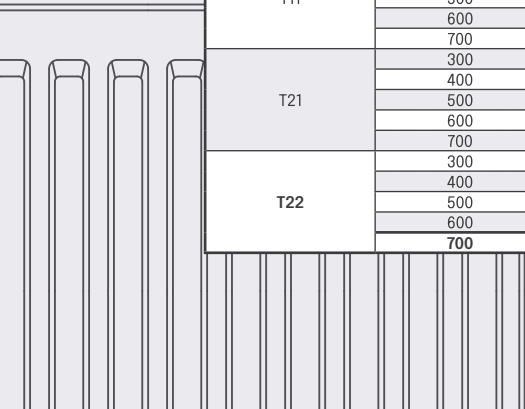
12 Heat output per metre

Δ T = 30K 55/45/20°C			
Type	H(mm)	(Watt per metre)	(BTU per metre)
T11	300	274	934
	400	352	1202
	500	428	1459
	600	500	1706
	700	570	1945
T21	300	392	1337
	400	496	1692
	500	597	2036
	600	691	2357
	700	782	2670
T21	300	492	1678
	400	633	2160
	500	765	2612
	600	884	3018
	700	995	3394

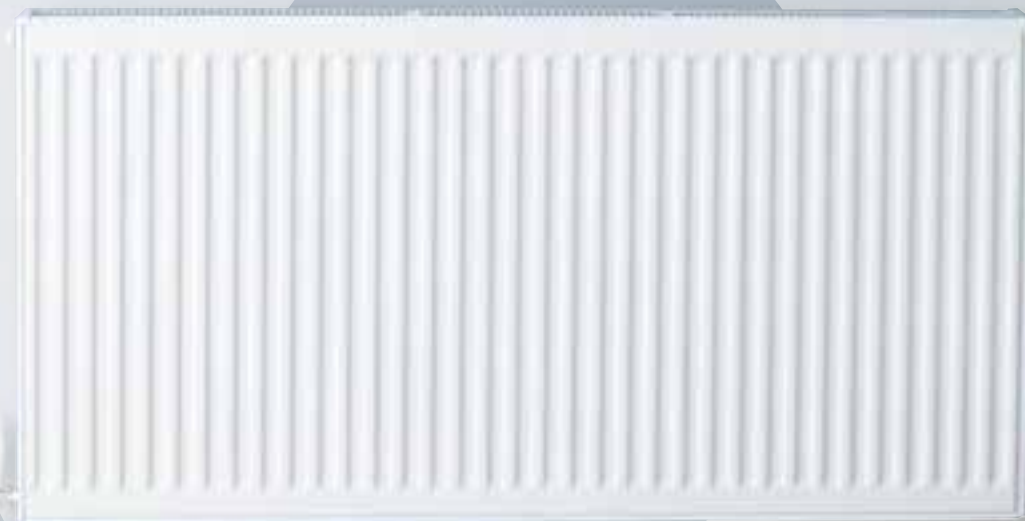
Δ T = 50K 75/65/20°C			
Type	H(mm)	(Watt per metre)	(BTU per metre)
T11	300	520	1775
	400	669	2284
	500	813	2773
	600	951	3244
	700	1084	3700
T21	300	758	2585
	400	957	3265
	500	1149	3921
	600	1336	4560
	700	1520	5187
T22	300	947	3230
	400	1218	4156
	500	1472	5021
	600	1709	5832
	700	1932	6591

Weight & water content per metre

Type	Per meter	Height					
		Unit	300	400	500	600	700
11	Weight	kg	8.32	10.80	13.43	16.06	18.70
	Water content	litre	1.73	2.12	2.58	3	3.40
20	Weight	kg	13.65	18.04	22.42	26.81	31.20
	Water content	litre	3.39	4.17	5.08	5.92	6.8
21	Weight	kg	15.49	20.51	25.52	30.54	35.56
	Water content	litre	3.42	4.22	5.13	5.97	6.84



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16 T11



17

$\Delta T = 50^{\circ}\text{C}$ $\Delta T = 30^{\circ}\text{C}$
($T_{in} = 75^{\circ}\text{C}/T_{out} = 65^{\circ}\text{C}/T_{room} = 20^{\circ}\text{C}$) ($T_{in} = 55^{\circ}\text{C}/T_{out} = 45^{\circ}\text{C}/T_{room} = 20^{\circ}\text{C}$)

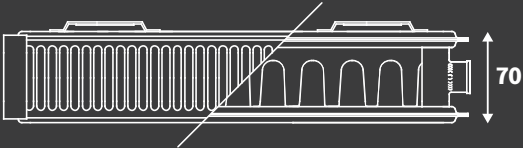


SFX Code	H (mm)	L (mm)	Product weight (kg)	Wet weight (kg)	Km	n	Heat output details Watts (at 50k)	Heat output details BTU (at 50k)	Heat output details Watts (at 30k)	Heat output details BTU (at 30k)
165XP	300	600	5.14	6.18	3.79969	1.25751	312	1065	164	560
605XP		1200	9.68	11.76			624	2130	328	1121
202XP		600	6.74	8.01			402	1371	211	721
736XP		800	8.77	10.46			536	1827	282	962
519XP		900	9.78	11.69			602	2056	317	1082
621XP	400	1000	10.80	12.92	4.89918	1.25699	669	2284	352	1202
607XP		1100	11.81	14.15			736	2513	387	1322
288XP		1200	12.83	15.37			803	2741	423	1442
113XP		400	5.78	6.81			325	1109	171	584
336XP		500	7.06	8.35			406	1386	214	730
337XP		600	8.33	9.88			488	1664	257	876
495XP		700	9.60	11.41			569	1941	299	1022
847XP		800	10.88	12.94			650	2218	342	1168
988XP		900	12.16	14.48			731	2496	385	1313
969XP	500	1000	13.43	16.01	5.9592	1.25647	813	2773	428	1459
196XP		1100	14.70	17.54			894	3050	470	1605
938XP		1200	15.98	19.07			975	3327	513	1751
386XP		1400	18.53	22.14			1138	3882	599	2043
999XP		1600	21.08	25.21			1300	4436	684	2335
403XP		1800	23.68	28.32			1463	4991	770	2627
871XP		400	6.86	8.06			380	1298	200	682
356XP		500	8.39	9.89			475	1622	250	853
579XP		600	9.93	11.73			570	1946	300	1024
800XP		700	11.46	13.56			666	2271	350	1194
759XP		800	12.99	15.39			761	2595	400	1365
585XP		900	14.53	17.23			856	2920	450	1536
285XP	600	1000	16.06	19.06	6.9331	1.2579	951	3244	500	1706
204XP		1100	17.59	20.89			1046	3568	550	1877
515XP		1200	19.13	22.73			1141	3893	600	2047
365XP		1400	22.20	26.40			1331	4542	700	2389
116XP		1600	25.26	30.06			1521	5190	800	2730
829XP		1800	28.38	33.78			1711	5839	900	3071
941XP		600	11.52	13.56			651	2220	342	1167
435XP		700	13.32	15.70			759	2590	399	1361
730XP		800	15.11	17.83			868	2960	456	1556
672XP		900	16.90	19.96			976	3330	513	1750
732XP		1000	18.70	22.10			1084	3700	570	1945
251XP		1100	20.49	24.23			1193	4070	627	2139
597XP		1200	22.28	26.36			1301	4440	684	2334

Thermal output in different operating conditions (characteristic curve Ø) = (Km ΔTⁿ) x L
For the above equation, radiator length (L) is to be converted to meters to ensure correct calculation.



T21

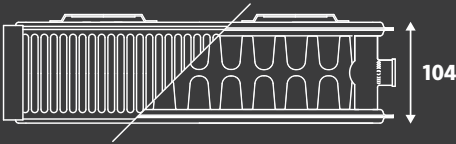


SFX Code	H (mm)	L(mm)	Product weight(kg)	Wet weight(kg)	Km	n	Heat output details Watts (at 50k)	Heat output details BTU (at 50k)	Heat output details Watts (at 30k)	Heat output details BTU (at 30k)
775XP	300	800	11.02	13.73	4.86254	1.29055	606	2068	314	1070
527XP		1000	13.65	17.04			758	2585	392	1337
186XP		1200	16.23	20.30			909	3102	470	1605
889XP	400	800	16.31	20.06	6.23668	1.2866	765	2612	397	1354
881XP		1000	11.09	13.59			957	3265	496	1692
346XP		1000	18.04	22.21			957	3265	496	1692
104XP		1100	19.76	24.35			1148	3918	595	2031
727XP		1200	14.54	17.87			1148	3918	595	2031
543XP	500	1200	21.48	26.49	7.60545	1.28265	765	2612	397	1354
411XP		500	11.58	14.12			574	1960	298	1018
352XP		600	13.74	16.79			689	2352	358	1222
979XP		700	15.9	19.45			804	2744	418	1425
716XP		800	18.06	22.12			919	3136	477	1629
547XP		900	20.26	24.84			1034	3528	537	1832
722XP		1000	22.42	27.50			1149	3920	597	2036
138XP		1100	24.58	30.17			1264	4312	656	2240
417XP		1200	26.74	32.84			1379	4705	716	2443
308XP		1400	31.11	38.22			1609	5489	835	2850
313XP	600	1600	35.42	43.55	8.54518	1.29148	1838	6273	955	3258
438XP		1800	39.79	48.93			2068	7057	1074	3665
366XP		400	11.21	13.57			535	1824	276	943
784XP		500	13.80	16.76			668	2280	345	1179
504XP		600	16.39	19.94			802	2736	415	1414
646XP		700	18.98	23.13			935	3192	484	1650
932XP		800	21.57	26.31			1069	3648	553	1886
559XP		900	24.22	29.54			1203	4104	622	2122
390XP		1000	26.81	32.73			1336	4560	691	2357
500XP		1100	29.40	35.91			1470	5016	760	2593
492XP	700	1200	31.99	39.1	9.3922	1.3003	1604	5472	829	2829
440XP		1400	37.23	45.52			1871	6384	967	3300
827XP		1600	42.41	51.89			2138	7295	1105	3772
483XP		1800	47.65	58.3			2405	8207	1244	4243
404XP		2000	52.88	64.72			2673	9119	1382	4715
150XP		600	19.04	23.12			912	3113	469	1602
756XP		700	22.07	26.83			1064	3631	548	1869
334XP		800	25.09	30.53			1216	4150	626	2136
975XP		900	28.17	34.29			1368	4669	704	2403
897XP		1000	31.20	38.00			1520	5188	782	2670
433XP	700	1100	34.22	41.70	9.3922	1.3003	1672	5706	861	2937
256XP		1200	37.25	45.41			1824	6225	939	3204

Thermal output in different operating conditions (characteristic curve Ø) = (Km ΔTⁿ) x L
For the above equation, radiator length (L) is to be converted to meters to ensure correct calculation.



T22



SFX Code	H (mm)	L (mm)	Product weight(kg)	Wet weight(kg)	Km	n	Heat output details Watts (at 50k)	Heat output details BTU (at 50k)	Heat output details Watts (at 30k)	Heat output details BTU (at 30k)
557XP	300	800	12.51	15.25	6.28934	1.28173	757	2584	394	1343
584XP		1000	15.49	18.91			947	3230	492	1678
786XP		1200	18.39	22.49			1136	3876	590	2014
209XP		1400	21.37	26.16			1325	4523	689	2350
447XP		1800	27.22	33.37			1704	5815	885	3021
302XP	400	2000	30.20	37.04	8.12535	1.28063	1893	6461	984	3357
506XP		600	12.64	15.17			731	2493	380	1296
856XP		700	14.59	17.54			852	2909	443	1512
567XP		800	16.53	19.91			974	3324	506	1728
598XP		900	18.56	22.36			1096	3740	570	1944
480XP	500	1000	20.51	24.73	9.86106	1.27952	1218	4155	633	2160
141XP		1100	22.45	27.10			1340	4571	696	2376
428XP		1200	24.40	29.46			1461	4987	760	2592
752XP		400	10.79	12.84			589	2009	306	1045
316XP		500	13.23	15.80			736	2511	383	1306
700XP	600	600	15.67	18.75	10.99744	1.2899	883	3013	459	1567
674XP		700	18.11	21.71			1030	3515	536	1828
803XP		800	20.56	24.66			1177	4017	612	2090
344XP		900	23.08	27.70			1324	4519	689	2351
878XP		1000	25.52	30.65			1472	5021	765	2612
664XP	700	1100	27.97	33.61	11.97134	1.29949	1619	5523	842	2873
294XP		1200	30.41	36.57			1766	6026	919	3134
888XP		1400	35.37	42.56			2060	7030	1072	3657
101XP		1600	40.26	48.47			2355	8034	1225	4179
865XP		1800	45.20	54.43			2649	9038	1378	4701
870XP	800	400	12.83	15.21	12.99949	1.30999	684	2333	354	1207
798XP		500	15.76	18.75			855	2916	442	1509
536XP		600	18.70	22.29			1026	3499	531	1811
275XP		700	21.64	25.82			1196	4082	619	2112
333XP		800	24.58	29.36			1367	4666	707	2414
473XP	900	900	27.60	32.97	14.01999	1.32049	1538	5249	796	2716
813XP		1000	30.54	36.51			1709	5832	884	3018
767XP		1100	33.48	40.05			1880	6415	973	3319
612XP		1200	36.42	43.58			2051	6998	1061	3621
368XP		1400	42.38	50.73			2393	8165	1238	4225
635XP	1000	1600	48.25	57.81	15.03999	1.33099	2735	9331	1415	4828
780XP		1800	54.18	64.93			3077	10498	1592	5432
312XP		2000	60.14	72.08			3418	11664	1769	6035
511XP		600	21.74	25.84			1159	3955	597	2036
234XP		700	25.17	29.96			1352	4614	696	2376
231XP	1100	800	28.61	34.08	16.05999	1.34149	1545	5273	796	2715
903XP		900	32.12	38.28			1739	5932	895	3054
549XP		1000	35.56	42.40			1932	6591	995	3394
412XP		1100	38.99	46.52			2125	7250	1094	3733
893XP		1200	42.43	50.64			2318	7909	1194	4072

Thermal output in different operating conditions (characteristic curve Ø = (Km ΔTⁿ) x L
For the above equation, radiator length (L) is to be converted to meters to ensure correct calculation.



**Fit.
Forget.**

Flomasta

**Stay ahead
of the game**

Flomasta

Kingfisher UK

Sheldon Square

Paddington

London

W2 6PX