



Merriott

Centre Tap

Fascia & Primo Plus



What does Merriott stand for?

Our bespoke heating and cooling solutions are the better choice for commercial applications across the UK and Ireland.

Merriott offers a diverse and versatile range of designer heating solutions.

Whether they are building consultants, architects or designers, our customers can tailor our bespoke range of products to satisfy their specification requirements.

We have invested in world-class production facilities and manufacture products of the very highest standard - backed by revolutionary technology, rigorous testing and stringent quality control.

As a company, we have an unwavering commitment to innovation and sustainability, pioneering products that lead the way in design, performance and energy efficiency.

Underpinning all of this is our relationship with our customers: ensuring they can rely on best-in-class service and support, from specification right through to delivery.

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Range Overview

Centre Tap

The Merriott Centre Tap Fascia & Primo Plus range is comprised of single and double panel radiators available in heights from 300mm - 600mm and lengths from 400mm - 2600mm.

Planning installation is made easy with Centre Tap Fascia & Primo Plus models, as any size radiator can be installed once pipework is installed. Aesthetically pleasing and innovative central connections provide quick installation for any commercial project.

OUTPUTS

All Merriott Centre Tap radiators are manufactured and tested in accordance with EN442.

FINISH

Every Merriott Centre Tap radiator undergoes an intensive pre-treatment process to protect against rust. In pre-treatment, the radiators are degreased, coated with iron phosphate and rinsed prior to painting. A cathodic electrodeposition primer coating is then applied to give total coverage of the bare steel and maximum corrosion protection. The durable topcoat (epoxy polyester powder) is electrostatically applied and stove enamel baked at 180 °C. The process is monitored to ensure continuous achievement of optimum adhesion, opacity and gloss levels.

PACKAGING

The entire surface of the radiator, including all 4 corners, is protected by cardboard box ends and packed in shrink wrapped polythene.

CONNECTIONS

Merriott Centre Tap is designed to be connected using its 2 x 3/4" external thread, centrally located connections. Alternatively, 4 x 1/2" external thread connections can be used to pipe the radiator at ABCD. All tapping-to-tapping dimensions can be obtained by subtracting 5mm from the nominal radiator length (accuracy = +/- 2mm).

Pre-set valve body is factory fitted for correct flow rates and ease of installation. This can be re-installed on the opposite side of the radiator if required. Pre-fitted vent plug can also be changed to the opposite side of the radiator if required. Please specify valve head and accessories separately (as shown on page 10).

When installing the Centre Tap Fascia & Primo Plus radiators using the standard 4 x 1/2" BSP connections, the 3/4" bottom centre connections must be capped off using chrome caps (see accessories on page 10).

TESTING

All Centre Tap Fascia radiators are tested to 13 Bar with a maximum working pressure of 10 Bar.

All Centre Tap Primo Plus radiators are tested to 13 Bar with a maximum working pressure of 10 Bar.

MOUNTING

As standard, Merriott supply Centre Tap radiators with strip brackets (as depicted on pages 08-09).

Two pairs of lugs are fitted on radiators up to and including 1600mm long. A third pair of lugs is fitted centrally on radiators that are 1800mm long and over.

WARRANTY

Merriott radiators are guaranteed for a period of 10 years from date of purchase in respect of defective materials and workmanship. The system should be designed in accordance with British Standard Code of Practice for Water Based Heating Systems in Buildings **BS EN 12828:2012+A1:2014** and **BS EN 12831: 2003**.

The installation and commissioning of the system should comply with **BS EN 14336:2004**. On completion of the installation, the system should be properly flushed and filled in accordance with the British Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems **BS 7593:2006**, Part L of Building Regulations and Good Practice Guidance for Scotland. Merriott strongly recommends the use of corrosion inhibitor for all applications. Failure to observe these standards may invalidate the manufacturer's warranty.

Range Options

Fascia & Primo Plus models

CENTRE TAP: FASCIA



CENTRE TAP: PRIMO PLUS



Heat Outputs

Fascia models

TYPE 11



TYPE 21



TYPE 22



Nominal Height	Length (mm)	Single Panel Single Fin			Double Panel Single Fin			Double Panel Double Fin		
		'n'	Watts $\Delta T50$	Watts $\Delta T30$	'n'	Watts $\Delta T50$	Watts $\Delta T30$	'n'	Watts $\Delta T50$	Watts $\Delta T30$
300mm	600	1.31	319	163	-	-	-	1.3	590	303
	1000		532	272		-	-		984	505
	1400		745	381		-	-		1378	708
	2000		1064	545		-	-		1968	1011
400mm	400	1.32	264	134	-	-	-	1.32	534	271
	600		396	202		-	-		802	407
	800		528	269		-	-		1069	542
	1000		660	336		-	-		1336	678
	1200		792	403		-	-		1603	813
	1400		924	471		-	-		1870	949
	1600		1056	538		-	-		2138	1085
	2000		1188	605		-	-		2405	1220
500mm	400	1.31	314	161	1.29	469	242	1.32	608	309
	600		470	240		704	363		912	464
	800		627	321		938	483		1216	619
	1000		784	401		1173	604		1520	774
	1200		941	481		1408	725		1824	928
	1400		1098	561		1642	846		2128	1083
	1600		1254	641		1877	967		2432	1238
	2000		1411	721		2111	1087		2736	1393
600mm	400	1.3	338	174	1.3	520	267	1.33	668	337
	600		506	260		781	402		1001	506
	800		675	347		1041	535		1335	674
	1000		844	434		1301	669		1669	843
	1200		1013	521		1561	803		2003	1012
	1400		1182	608		1821	936		2337	1180
	1600		1350	694		2082	1071		2670	1349
	1800		1519	781		2342	1204		3004	1517
	2000		1688	868		2602	1338		3338	1686
	2600		2194	1128		-	-		4339	2192

NOTE:

All outputs are in accordance with EN442 certification.

'n' = average exponent value.

For outputs at other ΔT 's please see calculation example on page 14.

Heat Outputs

Primo Plus models

TYPE 11



TYPE 21



TYPE 22



Nominal Height	Length (mm)	Single Panel Single Fin			Double Panel Single Fin			Double Panel Double Fin		
		'n'	Watts $\Delta T50$	Watts $\Delta T30$	'n'	Watts $\Delta T50$	Watts $\Delta T30$	'n'	Watts $\Delta T50$	Watts $\Delta T30$
300mm	600	1.33	339	172	-	-	-	1.3	616	316
	1000		565	286		-	-		1026	526
	1400		791	401		-	-		1436	737
	2000		1130	573		-	-		2052	1052
400mm	400	1.34	283	143	-	-	-	1.35	543	272
	600		425	214		-	-		814	408
	800		566	285		-	-		1086	544
	1000		708	357		-	-		1357	680
	1200		850	428		-	-		1628	816
	1400		991	499		-	-		1900	952
	1600		1133	571		-	-		2171	1088
	1800		1274	642		-	-		2443	1224
2000	1416	713	-	-	2714	1360				
500mm	400	1.33	337	171	1.32	491	250	1.33	617	312
	520		438	222		638	325		802	406
	600		506	256		736	374		926	468
	720		607	308		883	449		1111	562
	800		674	342		982	500		1234	624
	920		776	393		1129	574		1420	718
	1000		843	427		1227	624		1543	781
	1200		1012	513		1472	749		1852	937
	1400		1180	598		1718	874		2160	1093
	1600		1349	684		1963	999		2469	1249
1800	1517	769	2209	1124	2777	1405				
2000	1686	855	2454	1248	3086	1561				
600mm	400	1.31	376	192	1.31	543	278	1.34	685	345
	520		488	249		706	362		891	449
	600		563	287		814	417		1028	518
	720		676	345		977	500		1233	621
	800		751	383		1086	556		1370	690
	920		864	440		1248	639		1576	794
	1000		939	479		1357	695		1713	863
	1120		1052	536		1520	778		1919	966
	1200		1127	575		1628	834		2056	1035
	1320		1239	632		1791	917		2261	1139
	1400		1315	670		1900	973		2398	1208
	1600		1502	766		2171	1112		2741	1380
	1800		1690	862		2443	1251		3083	1553
	2000		1878	957		2714	1390		3426	1725
2600	2441	1244	-	-	4454	2243				

NOTE:

All outputs are in accordance with EN442 certification.

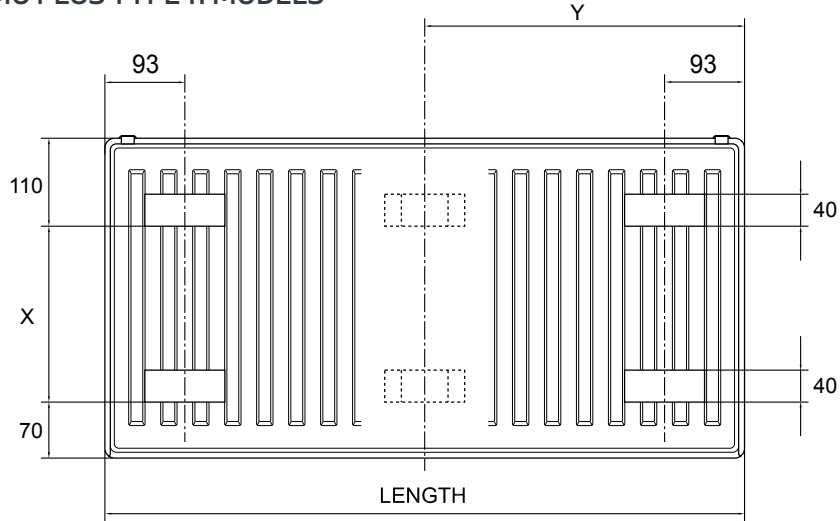
'n' = average exponent value.

For outputs at other ΔT 's please see calculation example on page 15.

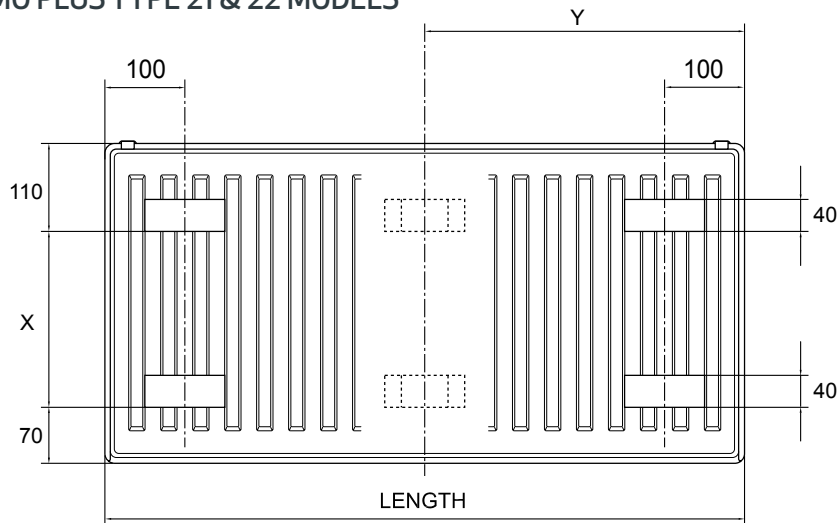
Mounting Details

Bracket positions & dimensions

FASCIA & PRIMO PLUS TYPE 11 MODELS



FASCIA & PRIMO PLUS TYPE 21 & 22 MODELS



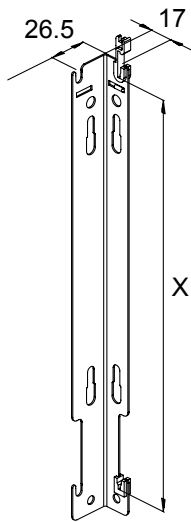
$$\text{Dimension Y} = \frac{\text{Overall Length}}{2}$$

For all radiators with an overall length of 1800mm and above.

Radiator Height (mm)	'X' (mm)
300	120
400	220
500	320
600	420

Mounting Details

Bracket locations & dimensions

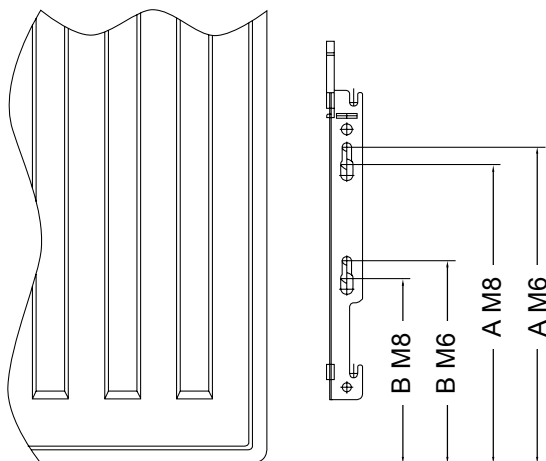


Radiator Height (mm)	'X' (mm)
300	123
400	223
500	323
600	423



Panel Type	11	21	22
A (mm)	50	74	86
B (mm)	66	66	66

A = Wall to side connection
B = Wall to centre bottom connection



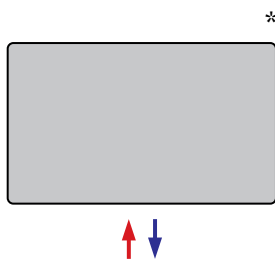
Style:	M8		M6	
	A (mm)	B (mm)	A (mm)	B (mm)
Height (mm)				
300	138	-	152.5	-
400	238	143	252.5	157.5
500	338	143	352.5	157.5
600	438	143	452.5	157.5

Connection Details

Options & accessories

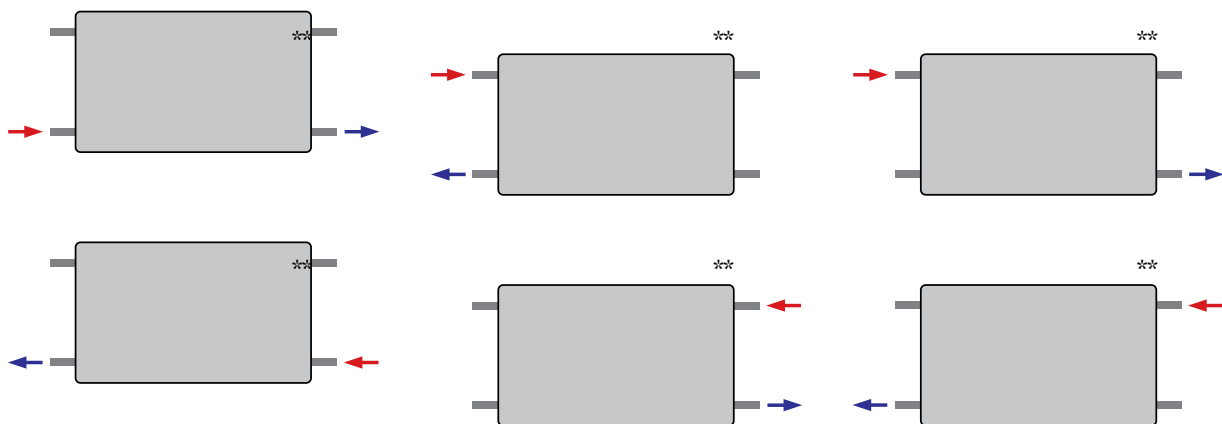
If using any of the connections options, the pre-set valve and baffle on the vent plug need to be removed and capped where necessary.

CENTRE CONNECTION 2 X 3/4"








*Flow specific

EXTERNAL THREAD 4 X 1/2"



**When installing the Fascia and Primo Plus radiators using the standard 4 x 1/2" BSP connections, the 3/4" bottom centre connections must be capped off using chrome caps.

ACCESSORIES

Product	Order Code	
Twin Entry Reversible Flow Valve (Straight)*	MERRSTERV	
Twin Entry Reversible Flow Valve (Angled)*	MERRATERFV	
3/4" Chrome Caps - to blank off the twin-entry tappings	MERRBLANKCAP	
15mm Nut & Olive Pack (Copper)	MERRNOPI5	
Herz-TS Thermostatic Sensor Head (White)	MERRHERZSENSHEAD	

*Nut & olive pack included

Weights and Water Content

FASCIA MODELS

Water Content (L/M)				
Type	300mm	400mm	500mm	600mm
Single Panel Single Fin (Type 11)	2.00	2.60	3.30	3.70
Double Panel Single Fin (Type 21)	-	-	6.10	7.10
Double Panel Double Fin (Type 22)	3.90	5.00	6.10	7.10

Dry Weight (Kg/M)				
Type	300mm	400mm	500mm	600mm
Single Panel Single Fin (Type 11)	14.20	18.54	21.29	24.00
Double Panel Single Fin (Type 21)	-	-	30.27	34.41
Double Panel Double Fin (Type 22)	22.30	29.79	34.47	38.95

PRIMO PLUS MODELS

Water Content (L/M)				
Type	300mm	400mm	500mm	600mm
Single Panel Single Fin (Type 11)	2.00	2.30	3.30	3.70
Double Panel Single Fin (Type 21)	-	-	6.10	7.10
Double Panel Double Fin (Type 22)	3.90	5.00	6.10	7.10

Dry Weight (Kg/M)				
Type	300mm	400mm	500mm	600mm
Single Panel Single Fin (Type 11)	11.35	14.78	16.61	18.41
Double Panel Single Fin (Type 21)	-	-	25.29	28.82
Double Panel Double Fin (Type 22)	19.45	26.03	29.79	33.36

Resistance Diagram

HOW TO CALCULATE THE RESISTANCE OF A CENTRE TAP FASCIA RADIATOR AT $\Delta T 50^{\circ} C$

Radiator type:
 Type 22 (Centre Tap Fascia)
 Length - 1000mm
 Height - 600mm
 Output @ $\Delta T 50^{\circ} C = 1669W$ (flow/return - 75/65 $^{\circ} C$)

If the output is not at $\Delta T 50^{\circ} C$, please use the correction factor table on the previous page to get the correct output.

CALCULATE THE FLOW RATE AS FOLLOWS:

m = Flow Rate
 Q = Heat Output
 c = Specific heat capacity of water (4187 J / KgK)
 ΔT = Temp. drop across radiator (10K)
Flow rate (m) = $Q / (c \times \Delta T)$ in l/sec

Therefore

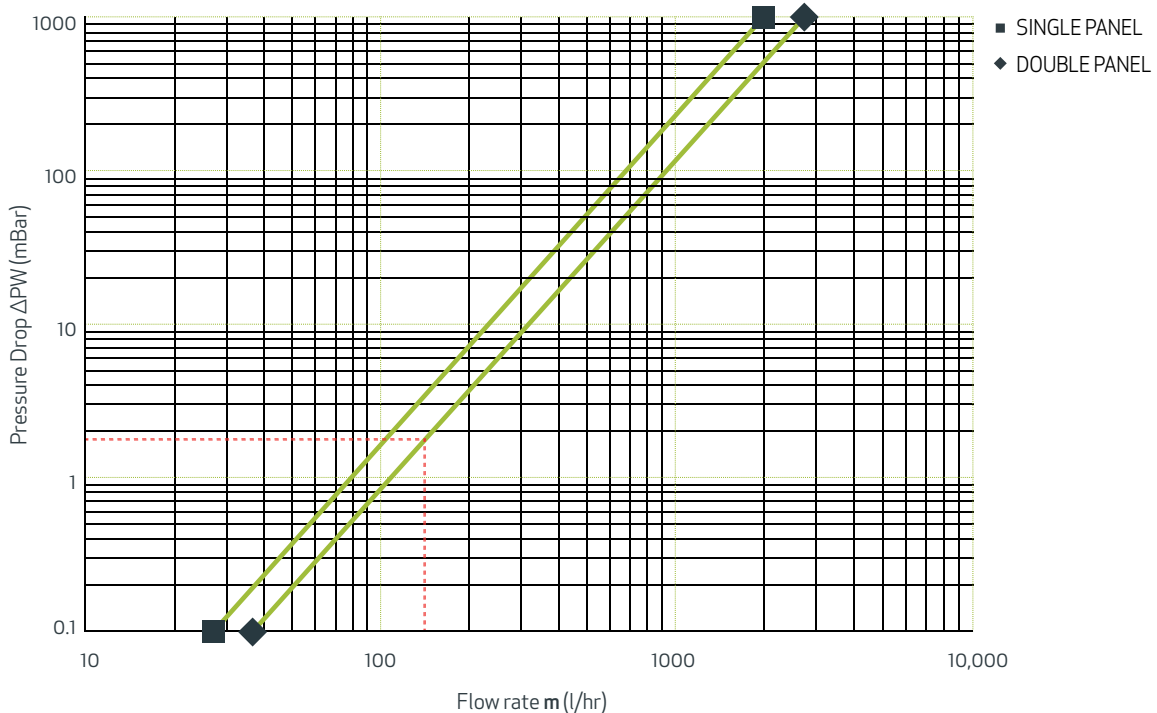
$$m = 1669 / (4187 \times 10)$$

$$m = 0.039861 \text{ (l/s)}$$

$$\times 3600 \text{ (to convert from l/sec to l/h)}$$

$$m = 143.5 \text{ l/h}$$

Please refer to the resistance diagram which gives a value of approx 1.9m Bar for Double Panel Type.



Correction Factors

How to calculate a corrected output

1. Calculate the Delta T including air temperature - example:
 Mean Water Temperature (MWT) = (°C Flow + °C Return) / 2 = (65 + 55) / 2 = 60 °C
 Required Air Temperature = 21 °C
 Delta T (ΔT) = Mean Water Temperature - Required Air Temperature = 60 - 21 = 39 °C
2. Note the Delta T 50 output shown for the specific size you require.
3. Locate the Exponent ('n') for the product you have selected within the Correction Factor table and your calculated Delta T (ΔT).
4. Multiply the Delta T 50 output noted, by the correction factor shown.

Outputs stated within this catalogue are shown at ΔT50 °C and also calculated at ΔT30 °C.

Multiplying factors required to calculate outputs at different Delta Ts (ΔTs) between 15 °C and 60 °C are shown in the Correction Factor tables overleaf.

EXAMPLE:

Radiator selected =

Type 22 (Centre Tap Fascia) 600mm (Height) x 1000mm (Length)

Delta T of System (ΔT) =

39 °C

Exponent ('n') =

1.33

Output @ Delta T50 =

1669 (w)

Corrected Output =

1669 (w) x 0.7173 (Correction Factor) = 1197 (w) at ΔT39

Nominal Height	Length (mm)	Double Panel Double Fin		
		'n'	Watts ΔT50	Watts ΔT30
600mm	400	1.33	668	337
	600		1001	506
	800		1335	674
	1000		1669	843
	1200		2003	1012
	1400		2337	1180
	1600		2670	1349
	1800		3004	1517
	2000		3338	1686
2600	4339	2192		

Product example Type 22 (600mm high) extracted from page 06

Correction Factors

Fascia models

ΔT	TYPE 11				TYPE 21		TYPE 22				TYPE 33			
	H300	H400	H500	H600	H500	H600	H300	H400	H500	H600	H300	H400	H500	H600
	Exponent 'n'													
	1.311	1.321	1.313	1.303	1.299	1.302	1.304	1.328	1.322	1.337	1.3159	1.3245	1.3331	1.3417
60	1.2700	1.2723	1.2705	1.2682	1.2672	1.2679	1.2684	1.2740	1.2726	1.2760	1.2711	1.2731	1.2751	1.2771
59	1.2423	1.2444	1.2427	1.2407	1.2399	1.2405	1.2409	1.2458	1.2446	1.2477	1.2433	1.2451	1.2469	1.2487
58	1.2148	1.2166	1.2152	1.2134	1.2126	1.2132	1.2135	1.2179	1.2168	1.2195	1.2157	1.2172	1.2188	1.2203
57	1.1874	1.1890	1.1877	1.1862	1.1855	1.1860	1.1863	1.1901	1.1891	1.1915	1.1882	1.1895	1.1909	1.1922
56	1.1602	1.1615	1.1604	1.1591	1.1586	1.1590	1.1593	1.1624	1.1616	1.1636	1.1608	1.1620	1.1631	1.1642
55	1.1331	1.1342	1.1333	1.1322	1.1318	1.1321	1.1323	1.1349	1.1343	1.1359	1.1336	1.1346	1.1355	1.1364
54	1.1062	1.1070	1.1063	1.1055	1.1051	1.1054	1.1056	1.1076	1.1071	1.1084	1.1066	1.1073	1.1080	1.1088
53	1.0794	1.0800	1.0795	1.0789	1.0786	1.0788	1.0789	1.0805	1.0801	1.0810	1.0797	1.0802	1.0808	1.0813
52	1.0528	1.0532	1.0528	1.0524	1.0523	1.0524	1.0525	1.0535	1.0532	1.0538	1.0530	1.0533	1.0537	1.0540
51	1.0263	1.0265	1.0263	1.0261	1.0261	1.0261	1.0262	1.0266	1.0265	1.0268	1.0264	1.0266	1.0268	1.0269
50	1	1	1	1	1	1	1	1	1	1	1	1	1	1
49	0.9739	0.9737	0.9738	0.9740	0.9741	0.9740	0.9740	0.9735	0.9736	0.9734	0.9738	0.9736	0.9734	0.9733
48	0.9479	0.9475	0.9478	0.9482	0.9484	0.9482	0.9482	0.9472	0.9475	0.9469	0.9477	0.9474	0.9470	0.9467
47	0.9221	0.9215	0.9220	0.9225	0.9228	0.9226	0.9225	0.9211	0.9215	0.9206	0.9218	0.9213	0.9208	0.9203
46	0.8964	0.8957	0.8963	0.8970	0.8973	0.8971	0.8970	0.8952	0.8956	0.8945	0.8961	0.8954	0.8948	0.8942
45	0.8710	0.8701	0.8708	0.8717	0.8721	0.8718	0.8716	0.8694	0.8700	0.8686	0.8705	0.8697	0.8690	0.8682
44	0.8457	0.8446	0.8455	0.8466	0.8470	0.8467	0.8465	0.8439	0.8445	0.8429	0.8452	0.8442	0.8433	0.8424
43	0.8206	0.8194	0.8203	0.8216	0.8221	0.8217	0.8215	0.8185	0.8192	0.8174	0.8200	0.8189	0.8179	0.8168
42	0.7957	0.7943	0.7954	0.7968	0.7973	0.7969	0.7966	0.7933	0.7941	0.7921	0.7950	0.7938	0.7926	0.7914
41	0.7709	0.7694	0.7706	0.7721	0.7728	0.7723	0.7720	0.7683	0.7692	0.7670	0.7702	0.7689	0.7675	0.7662
40	0.7464	0.7447	0.7460	0.7477	0.7484	0.7479	0.7475	0.7435	0.7445	0.7420	0.7455	0.7441	0.7427	0.7413
39	0.7220	0.7202	0.7216	0.7234	0.7242	0.7236	0.7233	0.7190	0.7200	0.7173	0.7211	0.7196	0.7180	0.7165
38	0.6978	0.6959	0.6974	0.6994	0.7001	0.6996	0.6992	0.6946	0.6957	0.6929	0.6969	0.6952	0.6936	0.6920
37	0.6738	0.6718	0.6734	0.6755	0.6763	0.6757	0.6753	0.6704	0.6716	0.6686	0.6729	0.6711	0.6694	0.6676
36	0.6501	0.6479	0.6496	0.6518	0.6526	0.6520	0.6516	0.6465	0.6477	0.6445	0.6490	0.6472	0.6454	0.6436
35	0.6265	0.6243	0.6261	0.6283	0.6292	0.6285	0.6281	0.6227	0.6241	0.6207	0.6254	0.6235	0.6216	0.6197
34	0.6031	0.6008	0.6027	0.6050	0.6059	0.6052	0.6048	0.5992	0.6006	0.5971	0.6020	0.6000	0.5980	0.5960
33	0.5800	0.5776	0.5795	0.5819	0.5829	0.5822	0.5817	0.5759	0.5773	0.5738	0.5788	0.5767	0.5747	0.5726
32	0.5571	0.5546	0.5566	0.5591	0.5601	0.5593	0.5588	0.5528	0.5543	0.5506	0.5558	0.5537	0.5516	0.5495
31	0.5343	0.5318	0.5338	0.5364	0.5374	0.5367	0.5361	0.5300	0.5315	0.5277	0.5331	0.5309	0.5287	0.5266
30	0.5119	0.5093	0.5113	0.5140	0.5150	0.5142	0.5137	0.5074	0.5090	0.5051	0.5106	0.5083	0.5061	0.5039
29	0.4896	0.4870	0.4891	0.4918	0.4928	0.4920	0.4915	0.4851	0.4867	0.4827	0.4883	0.4860	0.4838	0.4815
28	0.4676	0.4649	0.4671	0.4698	0.4709	0.4700	0.4695	0.4630	0.4646	0.4606	0.4663	0.4640	0.4616	0.4594
27	0.4458	0.4431	0.4453	0.4480	0.4491	0.4483	0.4478	0.4412	0.4428	0.4387	0.4445	0.4421	0.4398	0.4375
26	0.4243	0.4215	0.4238	0.4265	0.4276	0.4268	0.4263	0.4196	0.4213	0.4172	0.4229	0.4206	0.4182	0.4159
25	0.4030	0.4003	0.4025	0.4053	0.4064	0.4056	0.4050	0.3983	0.4000	0.3958	0.4017	0.3993	0.3969	0.3946
24	0.3820	0.3792	0.3815	0.3843	0.3854	0.3846	0.3840	0.3773	0.3790	0.3748	0.3807	0.3783	0.3759	0.3735
23	0.3613	0.3585	0.3607	0.3636	0.3647	0.3638	0.3633	0.3566	0.3582	0.3541	0.3599	0.3575	0.3552	0.3528
22	0.3409	0.3381	0.3403	0.3431	0.3442	0.3434	0.3428	0.3361	0.3378	0.3337	0.3395	0.3371	0.3347	0.3324
21	0.3207	0.3179	0.3201	0.3229	0.3240	0.3232	0.3226	0.3160	0.3176	0.3135	0.3193	0.3170	0.3146	0.3123
20	0.3008	0.2981	0.3003	0.3030	0.3041	0.3033	0.3028	0.2962	0.2978	0.2937	0.2995	0.2971	0.2948	0.2925
19	0.2813	0.2785	0.2807	0.2834	0.2845	0.2837	0.2832	0.2767	0.2783	0.2743	0.2799	0.2776	0.2753	0.2730
18	0.2620	0.2593	0.2615	0.2642	0.2652	0.2644	0.2639	0.2575	0.2591	0.2551	0.2607	0.2584	0.2562	0.2539
17	0.2431	0.2405	0.2426	0.2452	0.2463	0.2455	0.2449	0.2387	0.2402	0.2364	0.2418	0.2396	0.2374	0.2352
16	0.2245	0.2220	0.2240	0.2266	0.2276	0.2268	0.2263	0.2202	0.2217	0.2180	0.2233	0.2211	0.2189	0.2168
15	0.2063	0.2038	0.2058	0.2083	0.2093	0.2086	0.2080	0.2021	0.2036	0.1999	0.2051	0.2030	0.2009	0.1988

Correction Factors

Primo Plus models

ΔT	TYPE 11				TYPE 21		TYPE 22			
	H300	H400	H500	H600	H500	H600	H300	H400	H500	H600
	Exponent 'n'									
	1.33	1.342	1.33	1.319	1.323	1.31	1.307	1.353	1.334	1.343
60	1.2744	1.2772	1.2744	1.2719	1.2728	1.2698	1.2691	1.2798	1.2753	1.2774
59	1.2462	1.2487	1.2462	1.2440	1.2448	1.2421	1.2415	1.2510	1.2471	1.2489
58	1.2182	1.2204	1.2182	1.2162	1.2170	1.2146	1.2141	1.2224	1.2190	1.2206
57	1.1904	1.1922	1.1904	1.1887	1.1893	1.1873	1.1868	1.1940	1.1910	1.1924
56	1.1627	1.1643	1.1627	1.1612	1.1618	1.1600	1.1597	1.1657	1.1632	1.1644
55	1.1351	1.1364	1.1351	1.1340	1.1344	1.1330	1.1327	1.1376	1.1356	1.1366
54	1.1078	1.1088	1.1078	1.1068	1.1072	1.1061	1.1058	1.1097	1.1081	1.1089
53	1.0806	1.0813	1.0806	1.0799	1.0801	1.0793	1.0791	1.0820	1.0808	1.0814
52	1.0535	1.0540	1.0535	1.0531	1.0533	1.0527	1.0526	1.0545	1.0537	1.0541
51	1.0267	1.0269	1.0267	1.0265	1.0265	1.0263	1.0262	1.0272	1.0268	1.0270
50	1	1	1	1	1	1	1	1	1	1
49	0.9735	0.9733	0.9735	0.9737	0.9736	0.9739	0.9739	0.9730	0.9734	0.9732
48	0.9472	0.9467	0.9472	0.9476	0.9474	0.9479	0.9480	0.9463	0.9470	0.9467
47	0.9210	0.9203	0.9210	0.9216	0.9214	0.9221	0.9223	0.9197	0.9208	0.9203
46	0.8950	0.8941	0.8950	0.8959	0.8956	0.8965	0.8967	0.8933	0.8947	0.8941
45	0.8692	0.8681	0.8692	0.8703	0.8699	0.8711	0.8714	0.8671	0.8689	0.8681
44	0.8436	0.8424	0.8436	0.8448	0.8444	0.8458	0.8461	0.8412	0.8432	0.8422
43	0.8182	0.8168	0.8182	0.8196	0.8191	0.8207	0.8211	0.8154	0.8178	0.8166
42	0.7930	0.7914	0.7930	0.7946	0.7940	0.7958	0.7962	0.7899	0.7925	0.7912
41	0.7680	0.7662	0.7680	0.7697	0.7691	0.7711	0.7715	0.7645	0.7674	0.7660
40	0.7432	0.7412	0.7432	0.7450	0.7444	0.7465	0.7470	0.7394	0.7425	0.7411
39	0.7186	0.7165	0.7186	0.7206	0.7198	0.7222	0.7227	0.7145	0.7179	0.7163
38	0.6942	0.6919	0.6942	0.6963	0.6955	0.6980	0.6986	0.6898	0.6934	0.6917
37	0.6700	0.6676	0.6700	0.6722	0.6714	0.6741	0.6747	0.6654	0.6692	0.6674
36	0.6460	0.6435	0.6460	0.6484	0.6475	0.6503	0.6509	0.6412	0.6452	0.6433
35	0.6223	0.6196	0.6223	0.6247	0.6238	0.6267	0.6274	0.6172	0.6214	0.6194
34	0.5987	0.5960	0.5987	0.6013	0.6004	0.6034	0.6041	0.5935	0.5978	0.5957
33	0.5754	0.5726	0.5754	0.5781	0.5771	0.5802	0.5810	0.5700	0.5745	0.5723
32	0.5524	0.5494	0.5524	0.5551	0.5541	0.5573	0.5581	0.5467	0.5514	0.5492
31	0.5295	0.5265	0.5295	0.5323	0.5313	0.5346	0.5354	0.5237	0.5285	0.5262
30	0.5069	0.5038	0.5069	0.5098	0.5087	0.5121	0.5129	0.5010	0.5059	0.5036
29	0.4846	0.4814	0.4846	0.4875	0.4864	0.4899	0.4907	0.4785	0.4835	0.4812
28	0.4625	0.4593	0.4625	0.4654	0.4644	0.4679	0.4687	0.4564	0.4614	0.4590
27	0.4406	0.4374	0.4406	0.4436	0.4425	0.4461	0.4469	0.4344	0.4396	0.4371
26	0.4191	0.4158	0.4191	0.4221	0.4210	0.4246	0.4254	0.4128	0.4180	0.4155
25	0.3978	0.3945	0.3978	0.4008	0.3997	0.4033	0.4042	0.3915	0.3967	0.3942
24	0.3767	0.3734	0.3767	0.3798	0.3787	0.3823	0.3832	0.3704	0.3756	0.3732
23	0.3560	0.3527	0.3560	0.3591	0.3580	0.3616	0.3624	0.3497	0.3549	0.3524
22	0.3356	0.3323	0.3356	0.3386	0.3375	0.3411	0.3420	0.3293	0.3345	0.3320
21	0.3154	0.3122	0.3154	0.3185	0.3174	0.3210	0.3218	0.3092	0.3144	0.3119
20	0.2956	0.2924	0.2956	0.2986	0.2975	0.3011	0.3019	0.2895	0.2945	0.2921
19	0.2761	0.2729	0.2761	0.2791	0.2780	0.2815	0.2823	0.2701	0.2751	0.2727
18	0.2570	0.2538	0.2570	0.2599	0.2588	0.2623	0.2631	0.2510	0.2559	0.2536
17	0.2382	0.2351	0.2382	0.2410	0.2400	0.2434	0.2441	0.2323	0.2371	0.2348
16	0.2197	0.2167	0.2197	0.2225	0.2215	0.2248	0.2255	0.2140	0.2187	0.2165
15	0.2016	0.1987	0.2016	0.2043	0.2033	0.2066	0.2073	0.1961	0.2007	0.1985

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