



30
YEARS

Heat emitter
guarantee
(all products)

10
YEARS

Casings and
components
(all products)

3
YEARS

Valves for
Low-H₂O heat
exchangers

‘One of the UK’s most widely specified LSTs’

Tempo LST

Ease of handling and storage and a subtly designed, yet classic facing makes the Tempo LST one of the UK's most popular safe surface temperature heating solutions. It is widely specified in care and nursing homes, pre-schools and sheltered accommodation; meets NHS Estates guidelines.

A low water content and high co-efficient of heat conduction for low flow temperatures makes the Tempo LST ideal to use in combination with modern, modulating condensing boilers.



Features

- > extensive range of sizes
- > wall mounted or freestanding formats
- > easy to handle, store and install
- > valve bodies can be hidden within standard casing
- > stylish casing with rounded corners stays safe to touch, even at high flow temperatures
- > if casing gets damaged, it's easily replaceable
- > casing locks also available for extra security
- > DBE option available

Low-H₂O heat exchanger made from copper and aluminium:

- > non-corrosive (guaranteed for 30 years)
- > pressure tested to 20 bar (working pressure 10 bar)
- > efficient: rapid heating up due to super low water content and low thermal mass
- > high heat output achieved with normal and lower flow temperatures
- > the optimum combination of high output convection and safe surface temperature

Twin power and DBE 'Boost'

Tempo LST is also available with the super-powered twin heat exchangers. The boiler temperature is on average 15% lower for equivalent radiator dimensions and output

- > for the lowest temperature systems specify Tempo with DBE boost option.

Tempo LST



Connection sets and valves page 54



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Description

Low-H₂O heat exchangers comprise round - seamless circulation tubes made from pure red copper, with pure aluminium fins and two brass collectors for left or right 1/2" same end connection. Air vent 1/8" and drain plug 1/2" are included.

Brackets are made from 1mm galvanised steel plate; supplied to be installed with a maximum intermediate distance of 1.05m.

Tempo LST front panels are 0.86mm galvanised steel plates, double profiled in length. Supplied with small positioning holes and slots to assemble front panels to side panel with easy click system.

Side panels are profiled 1mm galvanised steel plate.

Top grilles are galvanised steel plate (0.80 mm thick), profiled backwards angled steel plate with angled top.

At corners the grille is supplied with high quality synthetic angled corner pieces in same finish as casing.

For the freestanding model front and back panels are identical, with adapted grille and side panels. Feet are telescopically adjustable for placement on finished floor/concrete floor.

Colour

Scratch-resistant surface coating with a soft structured finish.

Standard colour is White 101/RAL 9010.

High UV resistance to ASTM G53.

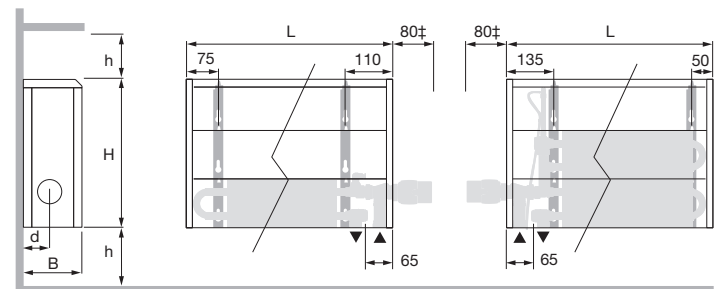
The heat exchanger is electrostatically lacquered with anthracite grey epoxy polyester to RAL 7024 for a dirt-repellent and dust-free finish.

Product range and dimensions (mm)

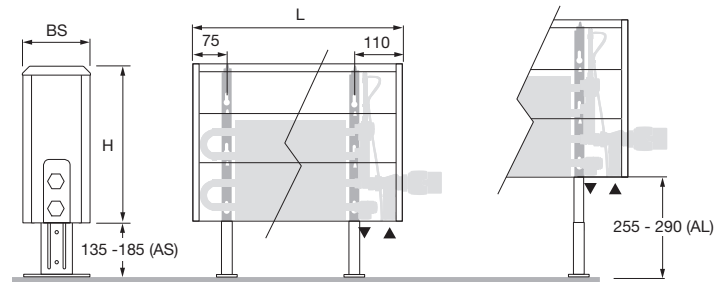
Type	B	d	BS	h min*
10	120	53	130	100
11 (twin)	120	53	130	100
15	170	78	180	120
16 (twin)	170	78	180	120
20	220	103	230	150
21 (twin)	220	103	230	150

* smaller dimensions can decrease output.

Tempo LST wall-mounted



Tempo LST freestanding



‡ Max. when using Jaga TRV and Head

Weights (kg/m) and water content (litres/m)

Type	Wall mounted model heights (mm) (weight in kg/m)							Floor mounted model heights (weight in kg/m)				Water content (litre/m)
	200	300	400	500	600	700	900	200	300	400	500	
10	5.4	6.6	7.8	9.0	10.3	11.5	14.3	8.2	10.2	12.2	14.2	0.65
11	-	8.2	9.4	10.7	11.9	13.1	15.8	-	11.9	13.9	15.9	1.33
15	6.7	8.1	9.5	10.8	12.2	13.6	17.3	9.7	11.8	14.0	16.1	0.98
16	-	10.8	12.2	13.6	14.9	16.3	19.8	-	14.7	16.9	19.0	1.98
20	8.3	9.8	11.3	12.9	14.4	15.9	19.3	11.2	13.5	15.7	18.0	1.32
21	-	13.4	14.9	16.4	17.9	19.4	22.3	-	17.1	19.4	21.7	2.66

Available in wall mounted and freestanding options



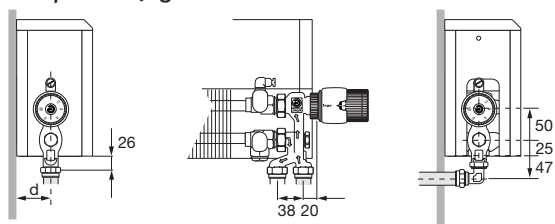
Connections

Jaga valves can be concealed within the standard casing. Other valves may be partially visible.

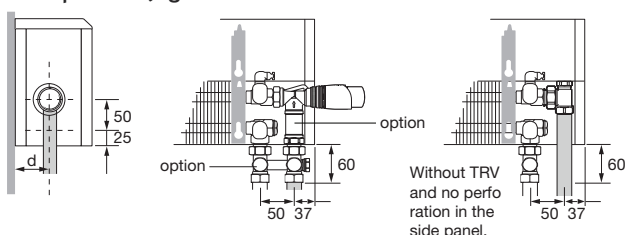
Refer to page 54 for more detailed information on connection sets and valves.

Type	Connection to floor d (mm)	Connection to wall (A)
10	53	29
11 (twin)	53	29
15	78	53
16 (twin)	78	53
20	103	79
21 (twin)	103	79

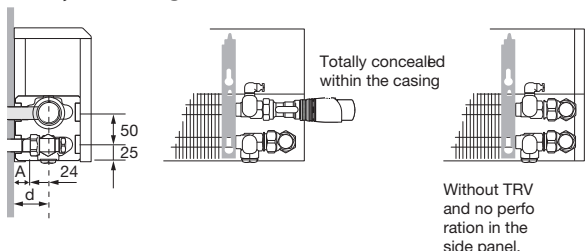
Example with Jaga Pro valve: to the wall or to the floor



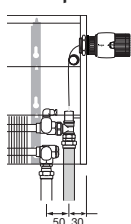
Example with Jaga valve: to the floor



Example with Jaga valve: to the wall



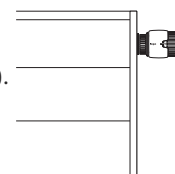
Example with Jaga Pro top valve:



Optional accessories

Top valve

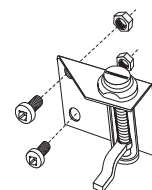
Jaga thermostatic head included. When ordering a top valve, add to the code of the Tempo LST/UK 30 (top left) or /UK 60 (top right). (Example: TEMW. 050 040 10.101/60)



Code	£
5090.13001	92.90

Casing locks

The casing cannot be detached without tools. 2 per casing.



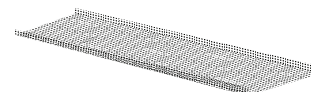
Code	£
5095.016	49.80

Pencil-proof grille

Unobtrusively positioned below the standard top grille. Optional pencil-proof grille in the same finish as the casing: avoiding the possibility of smaller objects or waste falling within the casing.

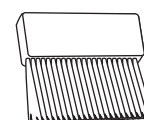
May affect output when used.

Price: see Parts page 70.



Brush

For easy cleaning of the underside of the Low-H2O heat exchanger without detaching the casing.



Code	£
5090.001	8.50

Feet in the colour of the casing (AS model)

The feet (standard in neutral grey lacquered) are also available in the same colour as the casing. For this repeat the colour code after the code of the apparatus (Example: TEMF. HHH LLL TT.101/101).

Surcharge (length casing)	£
400 > 1200mm (2 feet)	10.10
1400 > 2200mm (3 feet)	15.20
2400 > 3000mm (4 feet)	20.20

Extended adjustable feet (freestanding model)

For extended feet in neutral grey, with a height of 255 to 290mm, add /AL to the ordering code. Example: TEMF. 020 040 10. 101/AL

For extended feet in the same colour as the casing, with a height of 255 to 290mm, add /AL to the ordering code and repeat the colour code. Example: TEMF. 020 040 10. 101/AL/101

Surcharge (length casing)	£ grey/colour
400 > 1200mm (2 feet)	9.25/37.40
1400 > 2200mm (3 feet)	14.00/55.70
2400 > 3000mm (4 feet)	18.50/74.20

Tempo LST | wall mounted (TEMW...)



Connection sets and valves page 54



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200mm high | wall mounted

Length (mm)	Standard		
	Type	Watts	Price (£)
400	10	262	163.20
	15	436	195.20
	20	613	227.40
500	10	328	179.20
	15	545	215.30
	20	766	253.20
600	10	393	190.60
	15	654	232.00
	20	919	274.90
700	10	459	219.70
	15	763	271.10
	20	1072	323.80
800	10	524	234.90
	15	872	291.80
	20	1226	350.30
900	10	590	249.40
	15	981	311.60
	20	1379	375.20
1000	10	655	272.50
	15	1090	343.80
	20	1532	417.00
1100	10	721	288.90
	15	1199	366.60
	20	1685	445.10
1200	10	786	303.60
	15	1308	386.20
	20	1838	471.70
1400	10	917	336.80
	15	1526	432.60
	20	2145	561.90
1600	10	1048	395.10
	15	1744	512.70
	20	2451	666.40
1800	10	1179	427.20
	15	1962	557.50
	20	2758	724.70
2000	10	1310	462.50
	15	2180	637.40
	20	3064	784.90
2200	10	1441	528.90
	15	2398	732.20
	20	3370	905.90
2400	10	1572	568.00
	15	2616	785.80
	20	3677	974.30
2600	10	1703	605.10
	15	2834	837.30
	20	3983	1040.10
2800	10	1834	648.00
	15	3052	893.30
	20	4290	1109.60
3000	10	1965	681.40
	15	3270	941.10
	20	4596	1172.10

How to order (example)

Product Height Length Type Colour
TEMW 020 040 10 101

Using above ordering code will result in a Type 10, wall mounted, single emitter, with white casing 200mm high and 400mm long

300mm high | wall mounted

Length (mm)	Standard			Twin		With DBE				
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)	
400	10	330	174.40	11	448	284.80	-	-	-	
	15	544	207.60	16	592	337.60	-	-	-	
	20	762	240.80	21	779	358.00	-	-	-	
500	10	413	191.40	11	561	310.10	-	-	-	
	15	680	229.00	16	740	370.40	-	-	-	
	20	953	268.20	21	974	396.70	-	-	-	
600	10	496	203.50	11	673	329.70	11	973	418	495.80
	15	815	246.60	16	888	398.40	16	1368	588	573.10
	20	1144	290.80	21	1169	429.60	21	1649	709	604.20
700	10	578	234.80	11	785	377.50	11	1085	467	543.60
	15	951	287.90	16	1036	464.00	16	1516	652	638.60
	20	1334	341.10	21	1364	503.50	21	1844	793	678.20
800	10	661	251.40	11	897	403.00	11	1197	515	569.10
	15	1087	309.40	16	1184	498.30	16	1664	716	672.90
	20	1525	369.20	21	1558	544.20	21	2038	876	718.80
900	10	743	305.62	11	1009	426.10	11	1609	692	655.20
	15	1223	330.60	16	1332	531.20	16	2292	986	777.00
	20	1715	395.00	21	1753	581.80	21	2713	1167	827.60
1000	10	826	291.30	11	1121	465.00	11	1721	740	694.10
	15	1359	364.10	16	1480	584.60	16	2440	1049	830.40
	20	1906	438.10	21	1948	644.80	21	2908	1250	890.60
1100	10	909	309.40	11	1233	491.10	11	1833	788	720.10
	15	1495	388.20	16	1628	621.20	16	2588	1113	867.10
	20	2097	468.10	21	2143	688.30	21	3103	1334	934.10
1200	10	991	325.40	11	1345	516.00	11	1945	836	745.00
	15	1631	409.10	16	1776	655.50	16	2736	1176	901.30
	20	2287	495.70	21	2338	727.90	21	3298	1418	973.70
1400	10	1156	362.70	11	1569	572.10	11	2169	933	801.10
	15	1903	459.10	16	2072	732.60	16	3032	1304	978.40
	20	2668	590.10	21	2727	868.50	21	3687	1585	1114.20
1600	10	1322	423.30	11	1794	668.20	11	2994	1287	1022.80
	15	2174	542.30	16	2368	865.80	16	4288	1844	1254.10
	20	3050	697.00	21	3117	1026.00	21	5037	2166	1414.90
1800	10	1487	458.20	11	2018	721.20	11	3218	1384	1075.80
	15	2446	589.50	16	2664	940.20	16	4584	1971	1328.50
	20	3431	758.40	21	3506	1114.70	21	5426	2333	1503.00
2000	10	1652	496.00	11	2242	776.80	11	3442	1480	1131.40
	15	2718	672.10	16	2960	1074.60	16	4880	2098	1462.90
	20	3812	821.30	21	3896	1205.70	21	5816	2501	1594.00
2200	10	1817	565.20	11	2466	886.90	11	3666	1576	1241.50
	15	2990	769.40	16	3256	1233.00	16	5176	2226	1621.40
	20	4193	944.90	21	4286	1388.40	21	6206	2669	1776.70
2400	10	1982	608.50	11	2690	951.80	11	4490	1931	1432.20
	15	3262	827.50	16	3552	1323.20	16	6432	2766	1854.10
	20	4574	1017.50	21	4675	1493.80	21	7555	3249	2024.70
2600	10	2148	648.70	11	2915	1012.70	11	4715	2027	1493.00
	15	3533	881.50	16	3848	1407.90	16	6728	2893	1938.70
	20	4956	1086.00	21	5065	1592.60	21	7945	3416	2123.50
2800	10	2313	694.00	11	3139	1078.70	11	4939	2124	1559.00
	15	3805	940.00	16	4144	1495.50	16	7024	3020	2026.40
	20	5337	1158.20	21	5454	1695.20	21	8334	3584	2226.00
3000	10	2478	729.80	11	3363	1133.70	11	5163	2220	1614.00
	15	4077	990.60	16	4440	1575.30	16	7320	3148	2106.10
	20	5718	1223.50	21	5844	1789.60	21	8724	3751	2320.40

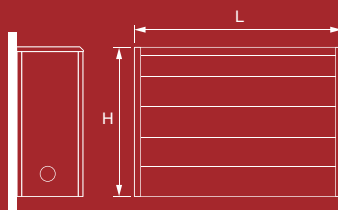
Standard connections*

Bottom left or right, valve position 20 (left) or 70 (right)

For optional top valve, add suffix to the code /UK30 (top left) or /UK60 (top right), e.g. TEMW 020 040 10 101/UK60

For no perforation for TRV in the side panel, add suffix to the code /00, e.g. TEMW 020 040 10 101/00

* See page 54 for connection sets and valves



400mm high | wall mounted

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts 75/65 45/38	Price (£)
400	10	385	186.40	11	506	296.80	-	-	-
	15	627	220.80	16	680	350.70	-	-	-
	20	878	256.00	21	910	373.50	-	-	-
500	10	482	204.50	11	632	322.70	-	-	-
	15	784	243.60	16	850	385.40	-	-	-
	20	1098	284.80	21	1137	413.60	-	-	-
600	10	578	217.60	11	758	343.40	11	1058	455 509.40
	15	941	262.00	16	1020	414.10	16	1500	645 588.70
	20	1318	308.60	21	1364	447.60	21	1844	793 622.30
700	10	674	250.50	11	885	393.20	11	1185	510 559.40
	15	1098	304.90	16	1190	481.20	16	1670	718 655.80
	20	1537	360.30	21	1592	523.50	21	2072	891 698.10
800	10	770	268.30	11	1011	419.70	11	1311	564 585.80
	15	1254	328.10	16	1360	517.00	16	1840	791 691.50
	20	1757	389.60	21	1819	565.10	21	2299	989 739.70
900	10	867	285.40	11	1138	444.20	11	1738	747 673.20
	15	1411	350.30	16	1530	550.80	16	2490	1071 796.70
	20	1976	417.30	21	2047	604.50	21	3007	1293 850.30
1000	10	963	310.80	11	1264	484.20	11	1864	802 713.20
	15	1568	384.60	16	1700	605.40	16	2660	1144 851.30
	20	2196	461.10	21	2274	668.30	21	3234	1391 914.10
1100	10	1059	330.60	11	1390	512.00	11	1990	856 741.00
	15	1725	410.80	16	1870	643.90	16	2830	1217 889.70
	20	2416	492.60	21	2501	712.80	21	3460	1488 958.60
1200	10	1156	346.90	11	1517	537.50	11	2117	910 766.50
	15	1882	432.90	16	2040	679.20	16	3000	1290 925.00
	20	2635	521.60	21	2729	754.20	21	3689	1586 1000.00
1400	10	1348	388.40	11	1770	597.50	11	2370	1019 826.40
	15	2195	487.30	16	2380	760.30	16	3340	1436 1006.10
	20	3074	620.70	21	3184	898.90	21	4144	1782 1144.60
1600	10	1541	452.00	11	2022	696.40	11	3222	1385 1051.00
	15	2509	572.10	16	2720	895.80	16	4640	1995 1284.10
	20	3514	730.10	21	3638	1059.40	21	5558	2390 1447.10
1800	10	1733	489.90	11	2275	752.60	11	3475	1494 1107.20
	15	2822	622.40	16	3060	973.00	16	4980	2141 1361.30
	20	3953	794.10	21	4093	1150.60	21	6013	2586 1538.90
2000	10	1926	530.60	11	2528	810.80	11	3728	1603 1165.40
	15	3136	708.00	16	3400	1110.50	16	5320	2288 1498.80
	20	4392	859.80	21	4548	1243.90	21	6468	2781 1632.20
2200	10	2119	602.30	11	2781	923.60	11	3981	1712 1278.30
	15	3450	808.20	16	3740	1271.70	16	5660	2434 1660.00
	20	4831	986.30	21	5003	1429.80	21	6923	2977 1818.10
2400	10	2311	649.40	11	3034	992.20	11	4834	2079 1472.50
	15	3763	869.70	16	4080	1365.60	16	6960	2993 1896.40
	20	5270	1064.10	21	5458	1540.30	21	8338	3585 2071.10
2600	10	2504	691.70	11	3286	1055.30	11	5086	2187 1535.70
	15	4077	926.40	16	4420	1452.90	16	7300	3139 1983.70
	20	5710	1135.10	21	5912	1641.40	21	8792	3781 2172.20
2800	10	2696	739.90	11	3539	1124.30	11	5339	2296 1604.70
	15	4390	987.80	16	4760	1543.90	16	7640	3285 2074.70
	20	6149	1210.70	21	6367	1747.20	21	9247	3976 2278.10
3000	10	2889	778.50	11	3792	1181.90	11	5592	2405 1662.20
	15	4704	1041.20	16	5100	1626.20	16	7980	3431 2156.90
	20	6588	1277.70	21	6822	1843.70	21	9702	4172 2374.60

500mm high | wall mounted

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts 75/65 45/38	Price (£)
400	10	430	198.70	11	554	309.20	-	-	-
	15	694	236.40	16	759	366.00	-	-	-
	20	970	272.30	21	1033	389.40	-	-	-
500	10	538	218.40	11	693	337.00	-	-	-
	15	867	260.40	16	949	401.90	-	-	-
	20	1213	302.40	21	1291	431.00	-	-	-
600	10	646	232.70	11	832	358.70	11	1132	487 524.90
	15	1040	279.80	16	1139	431.80	16	1619	696 606.40
	20	1455	327.10	21	1549	465.90	21	2029	872 640.50
700	10	753	267.40	11	970	410.40	11	1270	546 576.50
	15	1214	324.10	16	1329	500.60	16	1809	778 675.20
	20	1689	380.60	21	1807	543.30	21	2287	983 717.90
800	10	861	286.30	11	1109	437.70	11	1409	606 603.90
	15	1387	348.40	16	1518	537.50	16	1998	859 712.10
	20	1940	411.30	21	2066	586.30	21	2546	1095 760.90
900	10	968	304.30	11	1247	463.30	11	1847	794 692.30
	15	1561	372.50	16	1708	573.10	16	2668	1147 818.90
	20	2183	439.90	21	2324	626.60	21	3284	1412 872.50
1000	10	1076	331.40	11	1386	504.90	11	1986	854 734.00
	15	1734	407.90	16	1898	628.80	16	2858	1229 874.50
	20	2425	485.50	21	2582	692.10	21	3542	1523 937.90
1100	10	1184	352.00	11	1525	534.00	11	2125	914 763.00
	15	1907	435.40	16	2088	668.40	16	3048	1311 914.20
	20	2668	518.20	21	2840	738.10	21	3800	1634 983.90
1200	10	1291	370.40	11	1663	560.90	11	2263	973 790.00
	15	2081	458.90	16	2278	705.10	16	3238	1392 950.90
	20	2910	548.40	21	3098	780.70	21	4058	1745 1026.50
1400	10	1506	415.70	11	1940	624.60	11	2540	1092 853.60
	15	2428	517.70	16	2657	791.00	16	3617	1555 1036.80
	20	3395	651.90	21	3615	931.00	21	4575	1967 1176.70
1600	10	1722	481.80	11	2218	726.30	11	3418	1470 1080.90
	15	2774	605.40	16	3037	928.80	16	4957	2132 1317.10
	20	3880	764.10	21	4131	1094.00	21	6051	2602 1482.30
1800	10	1937	522.30	11	2495	784.80	11	3695	1589 1139.30
	15	3121	658.20	16	3416	1008.90	16	5336	2294 1397.20
	20	4365	830.80	21	4648	1187.70	21	6568	2824 1576.00
2000	10	2152	565.50	11	2772	845.70	11	3972	1708 1200.30
	15	3468	746.90	16	3796	1149.20	16	5716	2458 1537.50
	20	4850	899.30	21	5164	1284.00	21	7084	3046 1672.30
2200	10	2367	640.30	11	3049	961.50	11	4249	x1827 1316.10
	15	3815	849.10	16	4176	1312.50	16	6096	2621 1700.80
	20	5335	1028.50	21	5680	1472.30	21	7600	3268 1860.60
2400	10	2582	690.70	11	3326	1034.20	11	5126	2204 1514.50
	15	4162	915.60	16	4555	1411.60	16	7435	3197 1942.40
	20	5820	1110.90	21	6197	1587.10	21	9077	3903 2118.00
2600	10	2798	736.10	11	3604	1100.40	11	5404	2324 1580.70
	15	4508	975.10	16	4935	1501.70	16	7815	3360 2032.50
	20	6305	1184.70	21	6713	1691.20	21	9593	4125 2220.00
2800	10	3013	786.90	11	3881	1171.50	11	5681	2443 1651.90
	15	4855	1039.20	16	5314	1595.20	16	8194	3523 2126.00
	20	6790	1262.70	21	7230	1799.40	21	10110	4347 2330.30
3000	10	3228	828.20	11	4158	1232.00	11	5958	2562 1712.30
	15	5202	1095.50	16	5694	1680.30	16	8574	3687 2211.10
	20	7275	1333.10	21	7746	1899.20	21	10626	4569 2430.00

Standard delivery

Standard delivery includes casing, wall brackets, automatic air vent and drain plug 1/2".

Outputs

Measured in accordance with EN 442. Water temperature of 75/65°C and room temperature of 20°C (ΔT=50).

Tempo LST | wall mounted (TEMW...)



Connection sets and valves page 54



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Design considerations page 82



EN 442 Correction factors page 84



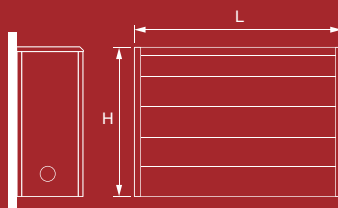
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600mm high | wall mounted

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	468	212.00	11	598	322.10	-	-	-
	15	746	248.90	16	834	378.80	-	-	-
	20	1043	287.20	21	1153	404.40	-	-	-
500	10	585	232.60	11	747	351.00	-	-	-
	15	933	274.40	16	1042	416.00	-	-	-
	20	1304	318.60	21	1441	446.90	-	-	-
600	10	702	248.10	11	896	374.00	11	1196	514 540.00
	15	1120	295.30	16	1250	447.50	16	1730	744 622.20
	20	1565	344.50	21	1729	483.30	21	2209	950 657.90
700	10	819	284.20	11	1046	426.80	11	1364	579 592.80
	15	1306	340.80	16	1459	517.30	16	1939	834 691.90
	20	1826	399.50	21	2017	562.20	21	2497	1074 736.80
800	10	936	304.70	11	1195	455.80	11	1495	643 621.90
	15	1493	366.80	16	1667	555.80	16	2147	923 730.40
	20	2086	431.60	21	2306	606.80	21	2786	1198 781.50
900	10	1053	323.70	11	1345	482.50	11	1945	836 711.40
	15	1679	391.60	16	1876	592.20	16	2836	1219 838.10
	20	2347	461.50	21	2594	648.00	21	3554	1528 893.90
1000	10	1170	352.40	11	1494	525.80	11	2094	900 754.80
	15	1866	428.80	16	2084	649.70	16	3044	1309 895.60
	20	2608	507.80	21	2882	714.90	21	3842	1652 960.70
1100	10	1287	374.60	11	1643	555.80	11	2243	964 784.80
	15	2053	458.00	16	2292	691.10	16	3252	1398 936.90
	20	2869	542.40	21	3170	762.50	21	4130	1776 1008.30
1200	10	1404	393.90	11	1793	584.40	11	2393	1029 813.30
	15	2239	482.60	16	2501	728.90	16	3461	1488 974.60
	20	3130	573.80	21	3458	806.10	21	4418	1900 1051.90
1400	10	1638	443.50	11	2092	652.50	11	2692	1158 881.60
	15	2612	545.10	16	2918	818.50	16	3878	1668 1064.30
	20	3651	681.40	21	4035	959.40	21	4995	2148 1205.20
1600	10	1872	512.20	11	2390	756.30	11	3590	1544 1110.90
	15	2986	635.90	16	3334	959.30	16	5254	2259 1347.60
	20	4173	795.90	21	4611	1125.50	21	6531	2808 1513.80
1800	10	2106	555.20	11	2689	817.30	11	3889	1672 1172.00
	15	3359	691.80	16	3751	1042.30	16	5671	2439 1430.70
	20	4694	865.90	21	5188	1222.50	21	7108	3056 1610.80
2000	10	2340	601.70	11	2988	881.80	11	4188	1801 1236.40
	15	3732	782.20	16	4168	1184.70	16	6088	2618 1573.00
	20	5216	937.20	21	5764	1321.60	21	7684	3304 1710.00
2200	10	2574	678.30	11	3287	999.30	11	4487	1929 1354.00
	15	4105	887.30	16	4585	1351.10	16	6505	2797 1739.40
	20	5738	1068.60	21	6340	1512.00	21	8260	3552 1900.30
2400	10	2808	733.90	11	3586	1076.70	11	5386	2316 1557.10
	15	4478	958.60	16	5002	1454.20	16	7882	3389 1985.00
	20	6259	1155.60	21	6917	1631.60	21	9797	4213 2162.50
2600	10	3042	781.60	11	3884	1145.30	11	5684	2444 1625.60
	15	4852	1020.90	16	5418	1547.10	16	8298	3568 2077.90
	20	6781	1232.00	21	7493	1738.10	21	10373	4460 2268.90
2800	10	3276	835.50	11	4183	1219.90	11	5983	2573 1700.30
	15	5225	1087.60	16	5835	1643.10	16	8715	3747 2174.00
	20	7302	1313.00	21	8070	1849.00	21	10950	4709 2380.20
3000	10	3510	879.40	11	4482	1282.70	11	6282	2701 1763.00
	15	5598	1145.80	16	6252	1730.50	16	9132	3927 2261.40
	20	7824	1385.70	21	8646	1951.20	21	11562	4956 2482.10

700mm high | wall mounted

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	499	222.50	11	636	332.90	-	-	-
	15	789	261.30	16	904	391.20	-	-	-
	20	1101	301.10	21	1271	418.50	-	-	-
500	10	624	245.10	11	795	363.40	-	-	-
	15	986	288.30	16	1130	430.00	-	-	-
	20	1377	334.00	21	1589	462.50	-	-	-
600	10	749	261.40	11	954	387.10	11	1254	539 553.20
	15	1183	310.80	16	1356	462.90	16	1836	789 637.50
	20	1652	360.90	21	1906	499.70	21	2386	1026 674.30
700	10	874	298.90	11	1113	441.40	11	1413	608 607.40
	15	1380	357.70	16	1582	534.00	16	2062	887 708.60
	20	1927	417.50	21	2224	580.40	21	2704	1163 755.00
800	10	998	320.90	11	1272	472.00	11	1572	676 638.20
	15	1578	384.50	16	1808	573.60	16	2288	984 748.20
	20	2202	450.70	21	2542	626.00	21	3022	1299 800.60
900	10	1123	341.20	11	1431	500.00	11	2031	873 729.00
	15	1775	410.70	16	2034	611.10	16	2994	1287 856.90
	20	2478	481.70	21	2859	668.50	21	3819	1642 914.30
1000	10	1248	370.80	11	1590	544.10	11	2190	942 773.10
	15	1972	449.20	16	2260	670.30	16	3220	1385 916.10
	20	2753	530.10	21	3177	736.50	21	4137	1779 982.30
1100	10	1373	394.70	11	1749	576.10	11	2349	1010 805.10
	15	2169	479.30	16	2486	712.60	16	3446	1482 958.10
	20	3028	565.60	21	3495	785.50	21	4455	1916 1031.30
1200	10	1498	415.70	11	1908	606.00	11	2508	1078 835.00
	15	2366	505.10	16	2712	751.50	16	3672	1579 997.40
	20	3304	598.10	21	3812	830.30	21	4772	2052 1076.20
1400	10	1747	468.10	11	2226	677.70	11	2826	1215 906.70
	15	2761	572.50	16	3164	845.70	16	4124	1773 1091.50
	20	3854	711.10	21	4448	989.00	21	5408	2325 1234.80
1600	10	1997	539.30	11	2544	784.10	11	3744	1610 1138.70
	15	3155	665.70	16	3616	989.10	16	5536	2380 1377.40
	20	4405	828.60	21	5083	1157.60	21	7003	3011 1545.90
1800	10	2246	585.90	11	2862	848.80	11	4062	1747 1203.40
	15	3550	724.70	16	4068	1074.70	16	5988	2575 1462.90
	20	4955	901.40	21	5719	1257.30	21	7639	3285 1645.70
2000	10	2496	634.60	11	3180	915.30	11	4380	1883 1269.90
	15	3944	818.20	16	4520	1220.20	16	6440	2769 1608.50
	20	5506	975.30	21	6354	1359.10	21	8274	3558 1747.50
2200	10	2746	713.80	11	3498	1035.40	11	4698	2020 1390.10
	15	4338	925.70	16	4972	1388.90	16	6892	2964 1777.20
	20	6057	1109.40	21	6989	1552.60	21	8909	3831 1940.90
2400	10	2995	773.40	11	3816	1116.40	11	5616	2415 1596.80
	15	4733	1000.60	16	5424	1496.40	16	8304	3571 2027.20
	20	6607	1200.90						



900mm high | wall mounted

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	548	246.30	11	703	357.10	-	-	-
	15	848	287.50	16	1038	418.80	-	-	-
	20	1183	331.60	21	1508	448.90	-	-	-
500	10	685	271.40	11	879	390.70	-	-	-
	15	1060	317.10	16	1298	460.10	-	-	-
	20	1479	367.80	21	1885	496.00	-	-	-
600	10	821	289.60	11	1055	416.00	11	1355	583 582.10
	15	1272	341.20	16	1558	494.60	16	2038	876 669.20
	20	1774	396.40	21	2262	535.20	21	2742	1179 709.80
700	10	958	330.60	11	1231	474.00	11	1531	658 640.10
	15	1484	391.20	16	1817	569.10	16	2297	988 743.70
	20	2070	456.30	21	2639	619.10	21	3119	1341 793.70
800	10	1095	355.10	11	1406	507.10	11	1706	734 673.10
	15	1696	421.10	16	2077	611.80	16	2557	1100 786.40
	20	2366	492.20	21	3016	667.10	21	3496	1503 841.70
900	10	1232	377.80	11	1582	537.50	11	2182	938 766.50
	15	1908	449.40	16	2336	651.80	16	3296	1417 897.50
	20	2661	525.60	21	3393	712.40	21	4353	1872 958.20
1000	10	1369	410.30	11	1758	584.40	11	2358	1014 813.30
	15	2120	490.80	16	2596	712.80	16	3556	1529 958.60
	20	2957	576.10	21	3770	782.70	21	4730	2034 1028.50
1100	10	1506	437.30	11	1934	619.40	11	2534	1090 848.40
	15	2332	524.10	16	2856	758.10	16	3816	1641 1004.50
	20	3253	615.20	21	4147	835.20	21	5107	2196 1081.00
1200	10	1643	460.10	11	2110	651.10	11	2710	1165 880.20
	15	2544	552.70	16	3115	800.60	16	4075	1752 1046.40
	20	3548	649.90	21	4524	882.30	21	5484	2358 1128.00

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
1400	10	1917	520.80	11	2461	730.20	11	3061	1316 959.30
	15	2968	627.50	16	3634	902.80	16	4594	1975 1148.60
	20	4140	771.30	21	5278	1049.70	21	6238	2682 1295.50
1600	10	2190	597.50	11	2813	842.30	11	4013	1726 1196.80
	15	3392	725.70	16	4154	1051.40	16	6074	2612 1439.70
	20	4731	894.30	21	6032	1223.80	21	7952	3419 1612.10
1800	10	2464	649.30	11	3164	912.00	11	4364	1877 1266.70
	15	3816	790.20	16	4673	1142.60	16	6593	2835 1531.00
	20	5323	972.60	21	6786	1328.90	21	8706	3744 1717.20
2000	10	2738	703.30	11	3516	983.90	11	4716	2028 1338.50
	15	4240	888.70	16	5192	1293.10	16	7112	3058 1681.40
	20	5914	1051.70	21	7540	1436.10	21	9460	4068 1824.40
2200	10	3012	788.50	11	3868	1110.20	11	5068	2179 1464.70
	15	4664	1002.10	16	5711	1467.70	16	7631	3281 1856.00
	20	6505	1190.80	21	8294	1634.10	21	10214	4392 2022.50
2400	10	3286	855.60	11	4219	1199.60	11	6019	2588 1679.90
	15	5088	1065.40	16	6230	1583.80	16	9110	3917 2114.60
	20	7097	1291.80	21	9048	1768.40	21	11928	5129 2299.20
2600	10	3559	910.60	11	4571	1275.70	11	6371	2740 1756.10
	15	5512	1155.30	16	6750	1684.30	16	9630	4141 2215.10
	20	7688	1376.10	21	9802	1882.60	21	12682	5453 2413.50
2800	10	3833	973.00	11	4922	1358.70	11	6722	2890 1839.00
	15	5936	1230.70	16	7269	1789.00	16	10149	4364 2319.80
	20	8280	1465.90	21	10556	2002.50	21	13436	5777 2533.30
3000	10	4107	1025.10	11	5274	1429.40	11	7074	3042 1909.80
	15	6360	1296.80	16	7788	1884.20	16	10668	4587 2414.90
	20	8871	1546.20	21	11310	2112.10	21	14190	6102 2642.90

Standard delivery

Standard delivery includes casing, wall brackets, automatic air vent and drain plug 1/2".

Outputs

Measured in accordance with EN 442. Water temperature of 75/65°C and room temperature of 20°C (ΔT=50).

Tempo LST | freestanding (TEMF...)



Connection sets and valves page 54



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EN 442
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200mm high | freestanding

Length (mm)	Standard		
	Type	Watts	Price (£)
400	10	262	225.10
	15	436	256.30
	20	613	289.00
500	10	328	279.30
	15	545	301.10
	20	766	317.60
600	10	393	256.50
	15	654	298.10
	20	919	341.10
700	10	459	289.30
	15	763	340.60
	20	1072	392.70
800	10	524	307.20
	15	872	363.50
	20	1226	422.30
900	10	590	323.80
	15	981	386.40
	20	1379	449.70
1000	10	655	349.50
	15	1090	420.50
	20	1532	493.60
1100	10	721	368.80
	15	1199	446.70
	20	1685	525.10
1200	10	786	385.80
	15	1308	468.60
	20	1838	553.90
1400	10	917	511.50
	15	1526	544.20
	20	2145	673.10
1600	10	1048	511.50
	15	1744	629.10
	20	2451	782.60
1800	10	1179	549.40
	15	1962	679.30
	20	2758	846.70
2000	10	1310	590.10
	15	2180	764.50
	20	3064	912.50
2200	10	1441	661.90
	15	2398	864.50
	20	3370	1038.50
2400	10	1572	730.00
	15	2616	947.40
	20	3677	1136.00
2600	10	1703	772.30
	15	2834	1004.30
	20	3983	1207.10
2800	10	1834	820.50
	15	3052	1065.50
	20	4290	1282.40
3000	10	1965	859.10
	15	3270	1119.00
	20	4596	1350.10

How to order (example)

Product Height Length Type Colour/Foot
TEMF 020 040 10 101/AS

Using above ordering code will result in a Type 10, freestanding Tempo, single emitter, with white casing 200mm high and 400mm long, with standard foot 135mm to 185mm

300mm high | freestanding

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	330	242.50	11	448	362.20	-	-	-
	15	544	275.60	16	592	405.60	-	-	-
	20	762	308.80	21	779	425.90	-	-	-
500	10	413	263.50	11	561	382.40	-	-	-
	15	680	301.10	16	740	442.70	-	-	-
	20	953	340.70	21	974	469.00	-	-	-
600	10	496	278.70	11	673	404.70	11	973	418 580.20
	15	815	322.10	16	888	474.20	16	1368	588 648.80
	20	1144	366.00	21	1169	504.80	21	1649	709 679.40
700	10	578	314.80	11	785	457.80	11	1085	467 623.90
	15	951	367.90	16	1036	544.10	16	1516	652 718.60
	20	1334	421.40	21	1364	584.40	21	1844	793 759.00
800	10	661	335.30	11	897	486.90	11	1197	515 653.00
	15	1087	393.20	16	1184	582.20	16	1664	716 756.00
	20	1525	452.90	21	1558	628.20	21	2038	876 802.80
900	10	743	354.50	11	1009	513.90	11	1609	692 742.80
	15	1223	418.50	16	1332	619.10	16	2292	986 864.90
	20	1715	483.00	21	1753	669.50	21	2713	1167 915.40
1000	10	826	382.90	11	1121	556.50	11	1721	740 785.50
	15	1359	455.50	16	1480	676.50	16	2440	1049 922.40
	20	1906	529.90	21	1948	736.70	21	2908	1250 982.60
1100	10	909	405.20	11	1233	587.00	11	1833	788 815.90
	15	1495	484.30	16	1628	717.10	16	2588	1113 963.00
	20	2097	564.10	21	2143	784.00	21	3103	1334 1029.90
1200	10	991	424.90	11	1345	615.70	11	1945	836 844.60
	15	1631	508.90	16	1776	755.20	16	2736	1176 1001.00
	20	2287	595.30	21	2338	827.80	21	3298	1418 1073.60
1400	10	1156	493.90	11	1569	703.40	11	2169	933 932.30
	15	1903	590.60	16	2072	864.00	16	3032	1304 1109.80
	20	2668	721.40	21	2727	999.60	21	3687	1585 1245.60
1600	10	1322	562.50	11	1794	807.10	11	2994	1287 1161.80
	15	2174	681.00	16	2368	1004.90	16	4288	1844 1393.20
	20	3050	836.50	21	3117	1165.60	21	5037	2166 1553.90
1800	10	1487	605.80	11	2018	868.50	11	3218	1384 1223.10
	15	2446	737.10	16	2664	1087.80	16	4584	1971 1476.10
	20	3431	905.80	21	3506	1262.40	21	5426	2333 1650.70
2000	10	1652	651.90	11	2242	932.70	11	3442	1480 1287.30
	15	2718	827.80	16	2960	1230.20	16	4880	2098 1618.50
	20	3812	977.30	21	3896	1361.50	21	5816	2501 1749.80
2200	10	1817	729.20	11	2466	1051.10	11	3666	1576 1405.80
	15	2990	932.90	16	3256	1396.50	16	5176	2226 1784.80
	20	4193	1108.60	21	4286	1552.10	21	6206	2669 1940.40
2400	10	1982	804.60	11	2690	1148.00	11	4490	1931 1628.30
	15	3262	1023.10	16	3552	1518.70	16	6432	2766 2049.50
	20	4574	1213.10	21	4675	1689.50	21	7555	3249 2220.30
2600	10	2148	852.30	11	2915	1216.40	11	4715	2027 1696.70
	15	3533	1085.40	16	3848	1611.50	16	6728	2893 2142.40
	20	4956	1289.80	21	5065	1796.30	21	7945	3416 2327.20
2800	10	2313	905.90	11	3139	1290.60	11	4939	2124 1771.00
	15	3805	1152.10	16	4144	1707.70	16	7024	3020 2238.60
	20	5337	1370.50	21	5454	1907.10	21	8334	3584 2437.90
3000	10	2478	950.00	11	3363	1353.60	11	5163	2220 1834.00
	15	4077	1210.80	16	4440	1795.10	16	7320	3148 2326.00
	20	5718	1443.30	21	5844	2009.40	21	8724	3751 2540.20

Standard connections*

Bottom left or right, valve position 20 (left) or 70 (right)

For optional top valve, add suffix to the code /UK30 (top left) or /UK60 (top right), e.g. TEMF 020 040 15 101/UK60/AS

For no perforation for TRV in the side panel, add suffix to the code /00, e.g. TEMF 020 040 15 101/00

* See page 54 for connection sets and valves



400mm high | freestanding

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	385	261.00	11	506	371.40	-	-	-
	15	627	295.30	16	680	425.10	-	-	-
	20	878	330.60	21	910	448.30	-	-	-
500	10	482	284.70	11	632	402.70	-	-	-
	15	784	324.00	16	850	465.60	-	-	-
	20	1098	364.90	21	1137	493.90	-	-	-
600	10	578	302.10	11	758	427.50	11	1058	455.93.60
	15	941	346.70	16	1020	498.60	16	1500	645.673.20
	20	1318	392.70	21	1364	532.10	21	1844	793.706.70
700	10	674	341.10	11	885	483.60	11	1185	510.649.70
	15	1098	395.60	16	1190	571.80	16	1670	718.746.40
	20	1537	451.30	21	1592	614.40	21	2072	891.788.90
800	10	770	364.30	11	1011	515.40	11	1311	564.681.40
	15	1254	424.10	16	1360	613.30	16	1840	791.787.90
	20	1757	485.90	21	1819	661.20	21	2299	989.835.80
900	10	867	385.90	11	1138	544.80	11	1738	747.773.80
	15	1411	451.20	16	1530	651.80	16	2490	1071.897.60
	20	1976	517.60	21	2047	704.80	21	3007	1293.950.60
1000	10	963	417.20	11	1264	590.30	11	1864	802.819.30
	15	1568	491.20	16	1700	711.80	16	2660	1144.957.60
	20	2196	567.20	21	2274	774.30	21	3234	1391.1020.20
1100	10	1059	442.30	11	1390	623.70	11	1990	856.852.70
	15	1725	522.80	16	1870	756.00	16	2380	1217.1001.90
	20	2416	604.90	21	2501	825.20	21	3461	1488.1071.00
1200	10	1156	464.50	11	1517	654.50	11	2117	910.883.40
	15	1882	550.30	16	2040	796.60	16	3000	1290.1042.40
	20	2635	638.60	21	2729	871.20	21	3689	1586.1117.00
1400	10	1348	540.20	11	1770	749.50	11	2370	1019.978.50
	15	2195	638.90	16	2380	912.00	16	3340	1436.1157.90
	20	3074	772.10	21	3184	1050.40	21	4144	1782.1296.20
1600	10	1541	614.00	11	2022	858.30	11	3222	1385.1212.90
	15	2509	734.80	16	2720	1058.10	16	4640	1995.1446.40
	20	3514	891.90	21	3638	1221.40	21	5558	2390.1609.70
1800	10	1733	662.70	11	2275	925.30	11	3475	1494.1279.90
	15	2822	796.00	16	3060	1146.80	16	4980	2141.1535.10
	20	3953	967.40	21	4093	1323.80	21	6013	2586.1712.00
2000	10	1926	714.60	11	2528	995.00	11	2728	1603.1349.70
	15	3136	892.30	16	3400	1294.70	16	5320	2288.1683.00
	20	4392	1043.80	21	4548	1428.20	21	6468	2781.1816.50
2200	10	2119	796.60	11	2781	1117.70	11	3981	1712.1472.30
	15	3450	1002.50	16	3740	1466.10	16	5660	2434.1854.40
	20	4831	1180.80	21	5003	1624.10	21	6923	2977.2012.40
2400	10	2311	879.40	11	3034	1222.30	11	4834	2079.1702.60
	15	3763	1099.60	16	4080	1595.70	16	6960	2993.2126.60
	20	5270	1293.90	21	5458	1770.20	21	8338	3585.2301.00
2600	10	2504	932.10	11	3286	1296.00	11	5086	2187.1776.30
	15	4077	1166.80	16	4420	1696.40	16	7300	3139.2224.30
	20	5710	1375.10	21	5912	1881.70	21	8792	3781.2412.50
2800	10	2696	991.90	11	3539	1376.10	11	5339	2296.1856.40
	15	4390	1239.60	16	4760	1795.50	16	7640	3285.2326.30
	20	6149	1461.60	21	6367	1998.50	21	9247	3976.2528.40
3000	10	2889	1040.50	11	3792	1443.70	11	5592	2405.1924.00
	15	4704	1303.40	16	5100	1888.20	16	7980	3431.2419.10
	20	6588	1540.00	21	6822	2106.10	21	9702	4172.2637.00

500mm high | freestanding

Length (mm)	Standard			Twin			With DBE		
	Type	Watts	Price (£)	Type	Watts	Price (£)	Type	Watts	Price (£)
400	10	430	280.80	11	554	391.20	-	-	-
	15	694	318.30	16	759	448.20	-	-	-
	20	970	354.80	21	1033	471.80	-	-	-
500	10	538	307.50	11	693	426.10	-	-	-
	15	867	349.40	16	949	491.00	-	-	-
	20	1213	391.60	21	1291	519.90	-	-	-
600	10	646	326.80	11	832	452.90	11	1132	487.619.00
	15	1040	374.40	16	1139	526.30	16	1619	696.700.90
	20	1455	421.20	21	1549	560.10	21	2029	872.734.70
700	10	753	369.30	11	970	512.20	11	1270	546.678.30
	15	1214	426.00	16	1329	602.30	16	1809	778.776.90
	20	1689	483.00	21	1807	645.60	21	2287	983.820.20
800	10	861	394.80	11	1109	546.50	11	1409	606.712.60
	15	1387	456.80	16	1518	646.00	16	1998	859.820.50
	20	1940	520.00	21	2066	695.30	21	2546	1095.869.90
900	10	968	418.70	11	1247	578.00	11	1847	794.807.00
	15	1561	486.80	16	1708	687.40	16	2668	1147.933.20
	20	2183	554.20	21	2324	741.00	21	3284	1412.986.90
1000	10	1076	452.10	11	1386	626.00	11	1896	854.854.90
	15	1734	529.20	16	1898	750.20	16	2858	1229.996.10
	20	2425	606.40	21	2582	813.30	21	3542	1523.1059.20
1100	10	1184	481.10	11	1525	662.60	11	2125	914.891.60
	15	1907	564.20	16	2088	797.30	16	3048	1311.1043.20
	20	2668	646.90	21	2840	867.00	21	3800	1634.1112.80
1200	10	1291	505.60	11	1663	696.10	11	2263	973.925.00
	15	2081	593.70	16	2278	840.10	16	3238	1392.1086.00
	20	2910	683.30	21	3098	915.60	21	4058	1745.1161.40
1400	10	1506	587.90	11	1940	797.20	11	2540	1092.1026.20
	15	2428	689.90	16	2657	963.10	16	3617	1555.1208.90
	20	3395	824.40	21	3615	1103.20	21	4575	1967.1349.00
1600	10	1722	667.10	11	2218	911.70	11	3418	1470.1266.40
	15	2774	790.60	16	3037	1114.30	16	4957	2132.1502.60
	20	3880	949.30	21	4131	1279.10	21	6051	2626.1667.40
1800	10	1937	722.00	11	2495	984.50	11	3695	1589.1339.10
	15	3121	858.10	16	3416	1208.80	16	5336	2294.1597.10
	20	4365	1030.30	21	4648	1387.20	21	6568	2824.1775.50
2000	10	2152	778.80	11	2772	1059.00	11	3972	1708.1413.60
	15	3468	959.40	16	3796	1362.10	16	5716	2458.1750.40
	20	4850	1112.20	21	5164	1497.20	21	7084	3046.1885.40
2200	10	2367	866.10	11	3049	1187.60	11	4249	1827.1542.20
	15	3815	1075.20	16	4176	1539.00	16	6096	2621.1927.30
	20	5335	1254.50	21	5680	1698.50	21	7600	3268.2086.80
2400	10	2582	955.50	11	3326	1298.80	11	5126	2204.1779.10
	15	4162	1180.00	16	4555	1676.00	16	7435	3197.2206.90
	20	5820	1375.50	21	6197	1851.90	21	9077	3903.2382.70
2600	10	2798	1013.30	11	3604	1377.50	11	5404	2324.1857.80
	15	4508	1252.70	16	4935	1779.20	16	7815	3360.2310.10
	20	6305	1462.30	21</					