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zehnder Z75 - 75mm deep
low surface temperature radiators

zehnder

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Introduction

Zehnder Z75 Low Surface Temperature Radiators:

Recognising the need for minimal intrusion into the available space, especially where wheelchair access is a requirement, the Z75 LST offers the slimmest, true low surface temperature radiator available.

Innovative engineering has created a compact radiator with high specific heat outputs, designed for quick and cost effective installation and maintenance.

Key Features:

- only 75mm from wall to front face of radiator
- high specific outputs
- quick fix bracket systems
- individual case lengths up to 2911mm
- can be joined together to create continuous runs
- satin anodised aluminium hinged grilles for easy maintenance
- pencil-proof grilles
- robust zintec-steel front panel
- 2 basic styles - top grilles only or top and bottom grilles
- integrated valve options
- cut-outs for valves, pipeworks and skirtings
- colour options

Applications:

At only 75mm deep, the Z75 lends itself to any restricted spaces where LST is a requirement: The attributes of this radiator also make it suitable for any LST application where performance and aesthetics are important.

Typical installations include:

- hospitals and all associated wards
- nursing homes
- nurseries
- schools
- all public buildings
- special care units
- disabled toilets

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Product Specification

General:

LST Casing:

Constructed from a front panel of 75mm individual 1.2mm thick zinc coated steel panels, spot welded together on double profiled return bends to create a robust panel. End casings formed from a 1.2mm zinc coated steel. Removable and self-hinging aluminium grilles secured by Allen key cap head screws.

Heat Emitter:

15mm copper water bearing tubes with aluminium convector plates nominally spaced at 7.5mm intervals.

All production to ISO 9002:1994

Operating Parameters: (BS EN442-1: 1996)

Standard Working Pressure: 5.0 bar

Standard Test Pressure: 7.0 bar

Outputs:

Tests for heat outputs have been performed by BSRIA in accordance with EN442. In order to give as accurate a representation as possible, the cases were fitted over the heat emitter for the tests, and therefore the outputs stated do not require any adjustments. Tests were also performed to ensure that no part of the case reached temperatures in excess of 43°C. Outputs are stated at $\Delta T=50K$ as required by EN442, and at $\Delta T=56K$ & $\Delta T=60K$ for convenience.

Outputs at different ΔT values may be calculated using the correction factor table from the base outputs stated at $\Delta T=50K$.

Finishes:

Heat emitters are natural finish copper and aluminium.

LST cases are factory finished with an anti-bacterial coating to RAL 9010 semi-gloss.

LST grilles finished with an anti-bacterial clear coat in satin anodised aluminium.

Other finishes available upon request.



Brackets:

Supplied with 'single fix' fully adjustable brackets which mount both the emitter and the case. Very little site assembly is required.

Special Options:

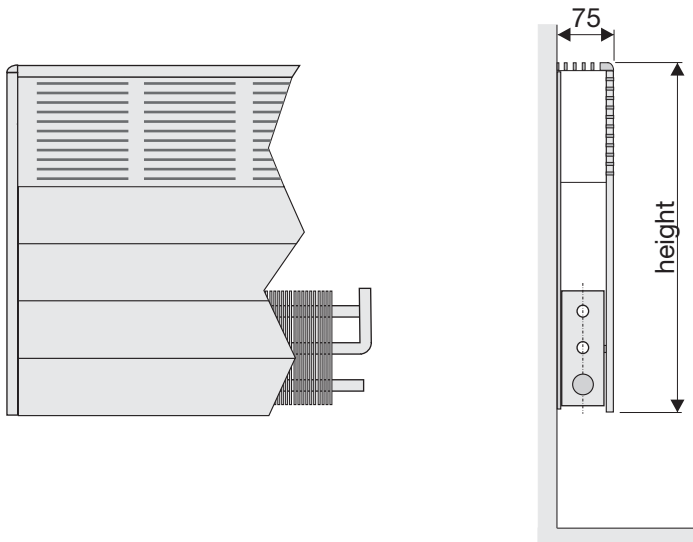
- powder coat finish to RAL, BS or NCS colours (extra cost)
- cut-outs for valves, pipework and skirtings (no cost option)
- remote adjuster TRV (extra cost)
- integrated valve assemblies (extra cost)

Please consult the Zehnder Technical Office for any other special requirements.

Manufactured in the UK.

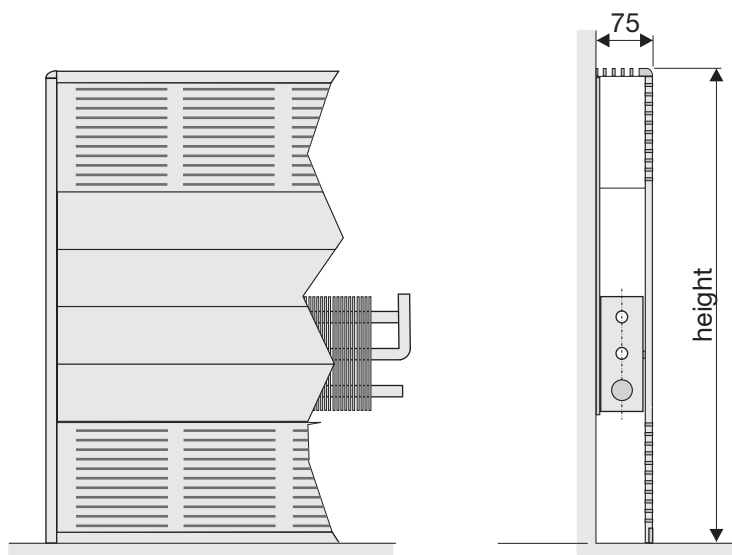
Model Overview

Style T



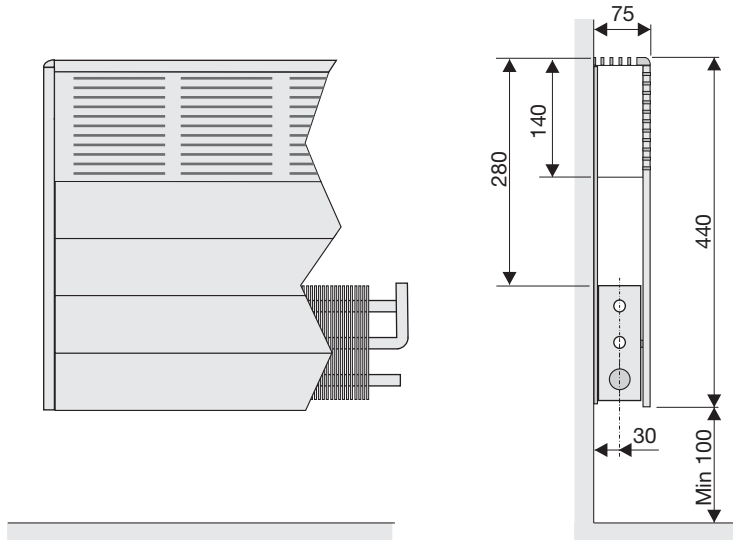
Grilles: top (horizontal & vertical)
Depth: 75mm
Height: 440, 590, 740 & 890mm
Length: 661 - 2911mm

Style F



Grilles: top (horizontal & vertical) & bottom vertical
Depth: 75mm
Height: 580, 730, 880 & 1030mm
Length: 661 - 2911mm

Z75 440-T



Model Code (example)

Z75-440-T-661

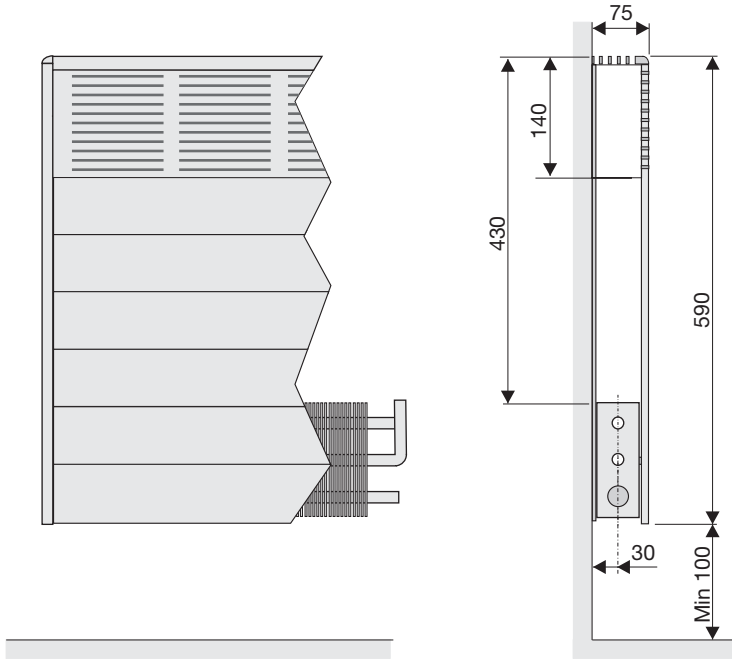
- Overall length
- Style T
- Case height
- Zehnder
- 75mm LST

Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output T=60K Watts
3.71	0.97	0.20	490	661	Z75-440-T-661	232	271	297
4.29	1.19	0.24	600	763	Z75-440-T-763	295	344	378
4.86	1.39	0.28	700	865	Z75-440-T-865	355	415	456
5.44	1.60	0.32	805	968	Z75-440-T-968	419	489	537
6.01	1.79	0.36	900	1070	Z75-440-T-1070	479	559	614
6.58	2.01	0.40	1010	1172	Z75-440-T-1172	542	633	695
7.16	2.21	0.44	1110	1274	Z75-440-T-1274	599	700	768
7.74	2.42	0.48	1215	1377	Z75-440-T-1377	663	773	850
8.31	2.60	0.52	1310	1479	Z75-440-T-1479	723	844	927
8.88	2.80	0.56	1410	1581	Z75-440-T-1581	783	914	1004
9.46	3.00	0.60	1510	1684	Z75-440-T-1684	846	988	1085
10.03	3.21	0.64	1615	1786	Z75-440-T-1786	904	1055	1158
10.61	3.41	0.68	1715	1888	Z75-440-T-1888	964	1125	1236
11.18	3.61	0.72	1815	1990	Z75-440-T-1990	1027	1199	1317
11.75	3.82	0.76	1920	2092	Z75-440-T-2092	1090	1272	1398
12.33	4.03	0.81	2025	2195	Z75-440-T-2195	1154	1346	1479
12.90	4.23	0.85	2125	2297	Z75-440-T-2297	1214	1417	1556
13.48	4.41	0.88	2220	2400	Z75-440-T-2400	1271	1483	1630
14.05	4.62	0.93	2325	2502	Z75-440-T-2502	1334	1557	1711
15.20	5.03	1.01	2530	2706	Z75-440-T-2706	1458	1701	1869
15.78	5.23	1.05	2630	2809	Z75-440-T-2809	1521	1775	1950
16.35	5.45	1.09	2740	2911	Z75-440-T-2911	1579	1842	2023

Z75 Low Surface Temperature

Z75 590-T



Model Code (example)

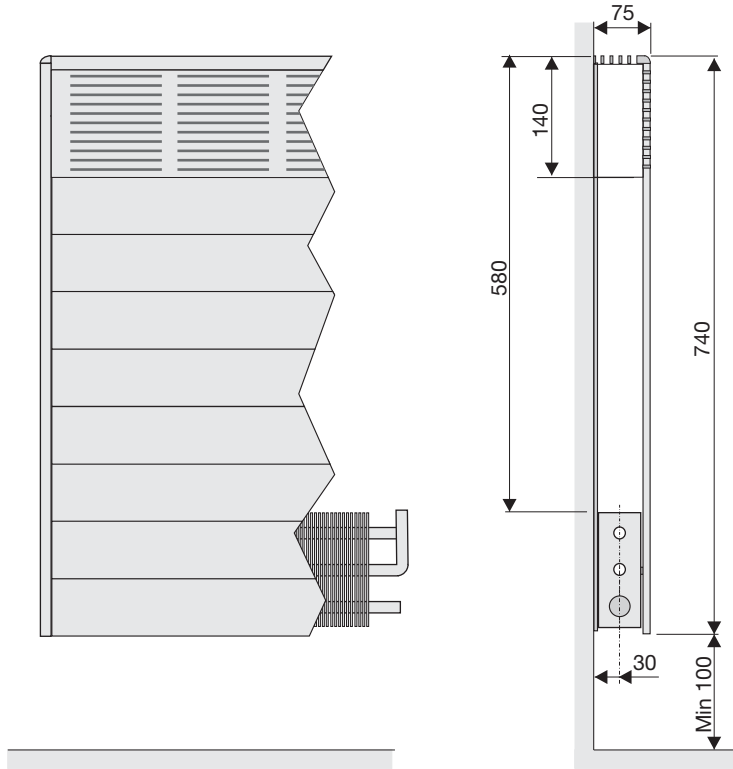
Z75-590-T-661

- Overall length
- Style T
- Case height
- Zehnder
- 75mm LST

Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output $T=60K$ Watts
4.90	0.97	0.20	490	661	Z75-590-T-661	249	290	318
5.66	1.19	0.24	600	763	Z75-590-T-763	317	369	405
6.42	1.39	0.28	700	865	Z75-590-T-865	382	445	488
7.18	1.60	0.32	805	968	Z75-590-T-968	450	524	574
7.94	1.79	0.36	900	1070	Z75-590-T-1070	515	599	657
8.69	2.01	0.40	1010	1172	Z75-590-T-1172	583	678	744
9.45	2.21	0.44	1110	1274	Z75-590-T-1274	644	750	822
10.21	2.42	0.48	1215	1377	Z75-590-T-1377	712	829	909
10.97	2.60	0.52	1310	1479	Z75-590-T-1479	777	904	992
11.73	2.80	0.56	1410	1581	Z75-590-T-1581	842	980	1075
12.49	3.00	0.60	1510	1684	Z75-590-T-1684	909	1059	1161
13.25	3.21	0.64	1615	1786	Z75-590-T-1786	971	1130	1240
14.00	3.41	0.68	1715	1888	Z75-590-T-1888	1036	1206	1322
14.76	3.61	0.72	1815	1990	Z75-590-T-1990	1104	1285	1409
15.52	3.82	0.76	1920	2092	Z75-590-T-2092	1172	1364	1496
16.28	4.03	0.81	2025	2195	Z75-590-T-2195	1240	1443	1583
17.04	4.23	0.85	2125	2297	Z75-590-T-2297	1304	1518	1665
17.80	4.41	0.88	2220	2400	Z75-590-T-2400	1366	1590	1744
18.56	4.62	0.93	2325	2502	Z75-590-T-2502	1434	1669	1831
20.07	5.03	1.01	2530	2706	Z75-590-T-2706	1566	1824	2000
20.83	5.23	1.05	2630	2809	Z75-590-T-2809	1634	1903	2087
21.59	5.45	1.09	2740	2911	Z75-590-T-2911	1696	1974	2166

Z75 740-T



Model Code (example)

Z75-740-T-661

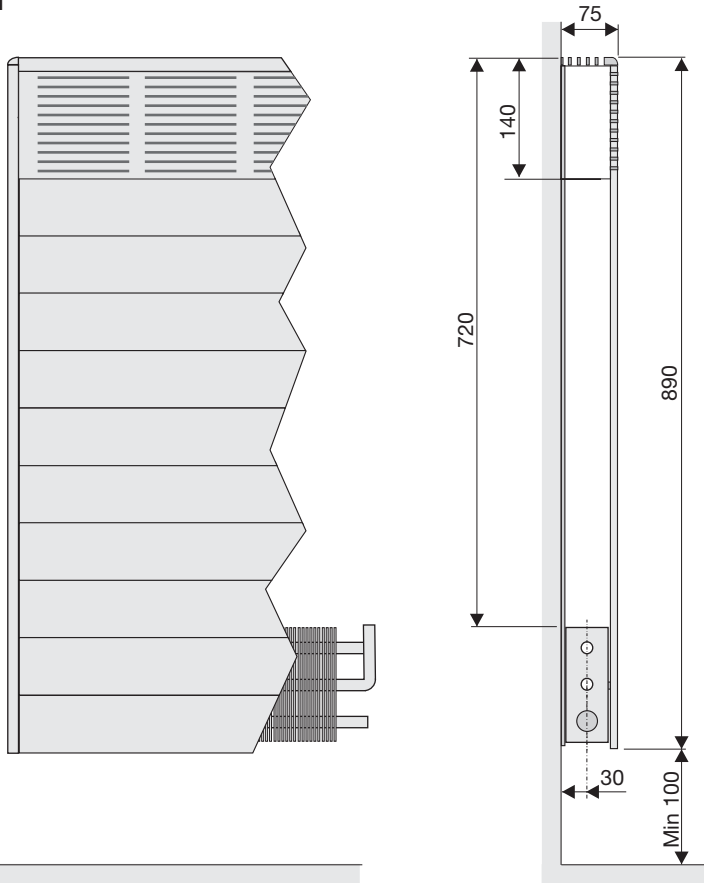
- Overall length
- Style T
- Case height
- Zehnder
- 75mm LST

Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output T=60K Watts
6.09	0.97	0.20	490	661	Z75-740-T-661	266	309	339
7.03	1.19	0.24	600	763	Z75-740-T-763	339	394	431
7.97	1.39	0.28	700	865	Z75-740-T-865	408	474	519
8.92	1.60	0.32	805	968	Z75-740-T-968	481	559	612
9.86	1.79	0.36	900	1070	Z75-740-T-1070	550	639	700
10.80	2.01	0.40	1010	1172	Z75-740-T-1172	623	723	792
11.74	2.21	0.44	1110	1274	Z75-740-T-1274	689	800	876
12.69	2.42	0.48	1215	1377	Z75-740-T-1377	761	884	968
13.63	2.60	0.52	1310	1479	Z75-740-T-1479	831	965	1056
14.57	2.80	0.56	1410	1581	Z75-740-T-1581	900	1045	1144
15.52	3.00	0.60	1510	1684	Z75-740-T-1684	972	1129	1237
16.46	3.21	0.64	1615	1786	Z75-740-T-1786	1038	1206	1321
17.40	3.41	0.68	1715	1888	Z75-740-T-1888	1107	1286	1409
18.34	3.61	0.72	1815	1990	Z75-740-T-1990	1180	1370	1501
19.28	3.82	0.76	1920	2092	Z75-740-T-2092	1253	1455	1593
20.23	4.03	0.81	2025	2195	Z75-740-T-2195	1325	1539	1686
21.17	4.23	0.85	2125	2297	Z75-740-T-2297	1395	1620	1774
22.12	4.41	0.88	2220	2400	Z75-740-T-2400	1460	1696	1858
23.06	4.62	0.93	2325	2502	Z75-740-T-2502	1533	1780	1950
24.94	5.03	1.01	2530	2706	Z75-740-T-2706	1675	1945	2131
25.89	5.23	1.05	2630	2809	Z75-740-T-2809	1748	2030	2223
26.83	5.45	1.09	2740	2911	Z75-740-T-2911	1813	2106	2307

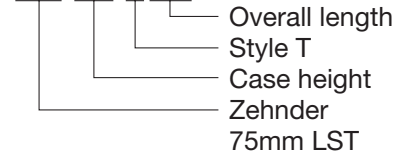
Z75 Low Surface Temperature

Z75 890-T



Model Code (example)

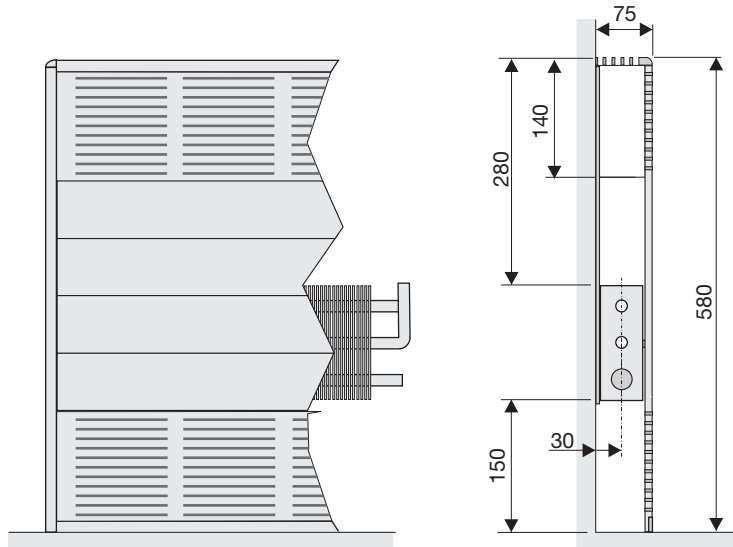
Z75-890-T-661



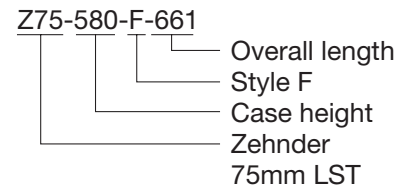
Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output $T=60K$ Watts
7.28	0.97	0.20	490	661	Z75-890-T-661	284	329	360
8.40	1.19	0.24	600	763	Z75-890-T-763	361	418	458
9.53	1.39	0.28	700	865	Z75-890-T-865	435	504	551
10.66	1.60	0.32	805	968	Z75-890-T-968	512	593	649
11.79	1.79	0.36	900	1070	Z75-890-T-1070	586	679	742
12.91	2.01	0.40	1010	1172	Z75-890-T-1172	663	768	840
14.03	2.21	0.44	1110	1274	Z75-890-T-1274	733	850	929
15.17	2.42	0.48	1215	1377	Z75-890-T-1377	811	939	1027
16.29	2.60	0.52	1310	1479	Z75-890-T-1479	884	1025	1121
17.42	2.80	0.56	1410	1581	Z75-890-T-1581	958	1110	1214
18.55	3.00	0.60	1510	1684	Z75-890-T-1684	1035	1200	1312
19.67	3.21	0.64	1615	1786	Z75-890-T-1786	1105	1281	1401
20.80	3.41	0.68	1715	1888	Z75-890-T-1888	1179	1366	1494
21.92	3.61	0.72	1815	1990	Z75-890-T-1990	1257	1456	1592
23.04	3.82	0.76	1920	2092	Z75-890-T-2092	1334	1545	1690
24.18	4.03	0.81	2025	2195	Z75-890-T-2195	1411	1635	1788
25.30	4.23	0.85	2125	2297	Z75-890-T-2297	1485	1720	1882
26.44	4.41	0.88	2220	2400	Z75-890-T-2400	1555	1801	1970
27.56	4.62	0.93	2325	2502	Z75-890-T-2502	1632	1891	2068
29.81	5.03	1.01	2530	2706	Z75-890-T-2706	1783	2066	2260
30.94	5.23	1.05	2630	2809	Z75-890-T-2809	1861	2156	2358
32.07	5.45	1.09	2740	2911	Z75-890-T-2911	1931	2237	2447

Z75 580-F



Model Code (example)

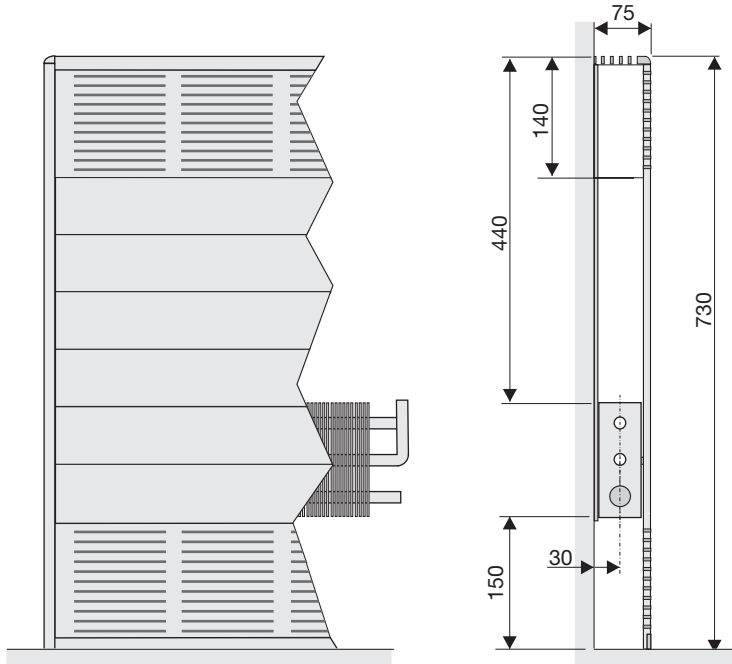


Technical Data

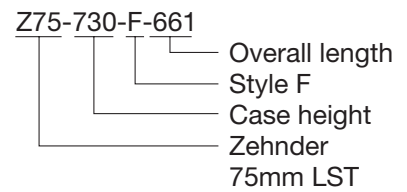
Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output T=60K Watts
4.37	0.97	0.20	490	661	Z75-580-F-661	212	249	274
5.05	1.19	0.24	600	763	Z75-580-F-763	270	317	349
5.72	1.39	0.28	700	865	Z75-580-F-865	325	382	420
6.41	1.60	0.32	805	968	Z75-580-F-968	383	449	495
7.08	1.79	0.36	900	1070	Z75-580-F-1070	438	514	566
7.76	2.01	0.40	1010	1172	Z75-580-F-1172	496	582	641
8.43	2.21	0.44	1110	1274	Z75-580-F-1274	549	643	709
9.11	2.42	0.48	1215	1377	Z75-580-F-1377	607	711	784
9.79	2.60	0.52	1310	1479	Z75-580-F-1479	662	776	855
10.46	2.80	0.56	1410	1581	Z75-580-F-1581	717	841	926
11.14	3.00	0.60	1510	1684	Z75-580-F-1684	775	908	1001
11.82	3.21	0.64	1615	1786	Z75-580-F-1786	827	970	1069
12.49	3.41	0.68	1715	1888	Z75-580-F-1888	882	1035	1140
13.17	3.61	0.72	1815	1990	Z75-580-F-1990	940	1102	1215
13.84	3.82	0.76	1920	2092	Z75-580-F-2092	998	1170	1290
14.53	4.03	0.81	2025	2195	Z75-580-F-2195	1056	1238	1364
15.20	4.23	0.85	2125	2297	Z75-580-F-2297	1111	1303	1436
15.88	4.41	0.88	2220	2400	Z75-580-F-2400	1163	1364	1503
16.56	4.62	0.93	2325	2502	Z75-580-F-2502	1221	1432	1578
17.91	5.03	1.01	2530	2706	Z75-580-F-2706	1334	1565	1724
18.59	5.23	1.05	2630	2809	Z75-580-F-2809	1392	1633	1799
19.26	5.45	1.09	2740	2911	Z75-580-F-2911	1445	1694	1867

Z75 Low Surface Temperature

Z75 730-F



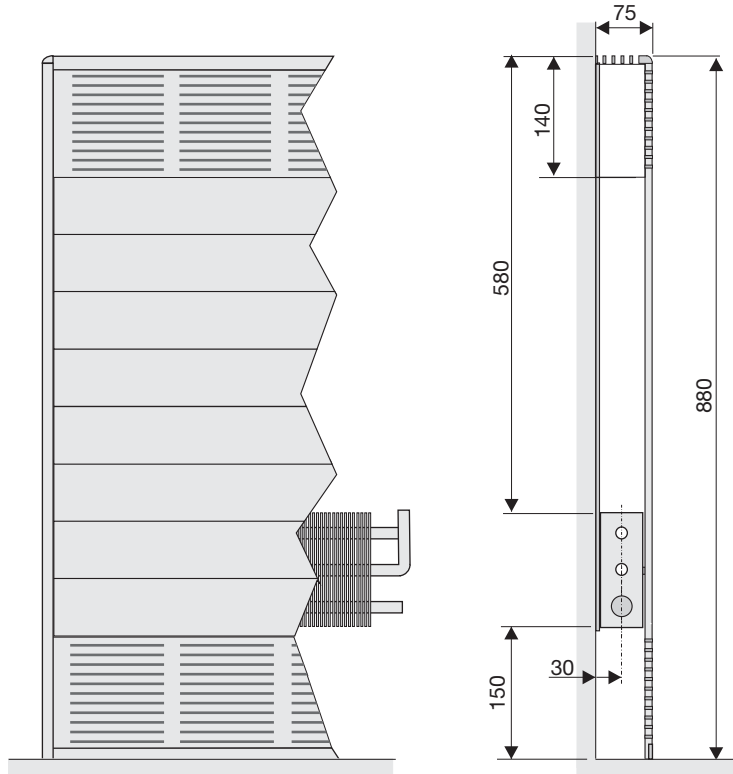
Model Code (example)



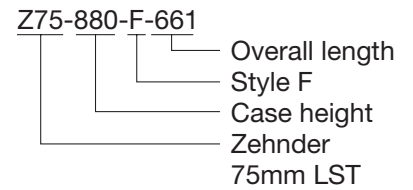
Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output $T=60K$ Watts
5.56	0.97	0.20	490	661	Z75-730-F-661	230	268	295
6.42	1.19	0.24	600	763	Z75-730-F-763	292	342	376
7.28	1.39	0.28	700	865	Z75-730-F-865	352	411	452
8.15	1.60	0.32	805	968	Z75-730-F-968	414	484	533
9.01	1.79	0.36	900	1070	Z75-730-F-1070	474	554	609
9.86	2.01	0.40	1010	1172	Z75-730-F-1172	537	627	690
10.72	2.21	0.44	1110	1274	Z75-730-F-1274	593	694	763
11.59	2.42	0.48	1215	1377	Z75-730-F-1377	656	767	843
12.45	2.60	0.52	1310	1479	Z75-730-F-1479	716	837	920
13.31	2.80	0.56	1410	1581	Z75-730-F-1581	775	906	997
14.17	3.00	0.60	1510	1684	Z75-730-F-1684	838	979	1077
15.03	3.21	0.64	1615	1786	Z75-730-F-1786	895	1046	1150
15.89	3.41	0.68	1715	1888	Z75-730-F-1888	954	1115	1227
16.75	3.61	0.72	1815	1990	Z75-730-F-1990	1017	1189	1307
17.61	3.82	0.76	1920	2092	Z75-730-F-2092	1079	1262	1388
18.47	4.03	0.81	2025	2195	Z75-730-F-2195	1142	1335	1468
19.33	4.23	0.85	2125	2297	Z75-730-F-2297	1202	1405	1545
20.20	4.41	0.88	2220	2400	Z75-730-F-2400	1258	1471	1618
21.06	4.62	0.93	2325	2502	Z75-730-F-2502	1321	1544	1698
22.78	5.03	1.01	2530	2706	Z75-730-F-2706	1443	1687	1855
23.64	5.23	1.05	2630	2809	Z75-730-F-2809	1506	1760	1936
24.50	5.45	1.09	2740	2911	Z75-730-F-2911	1562	1826	2009

Z75 880-F



Model Code (example)

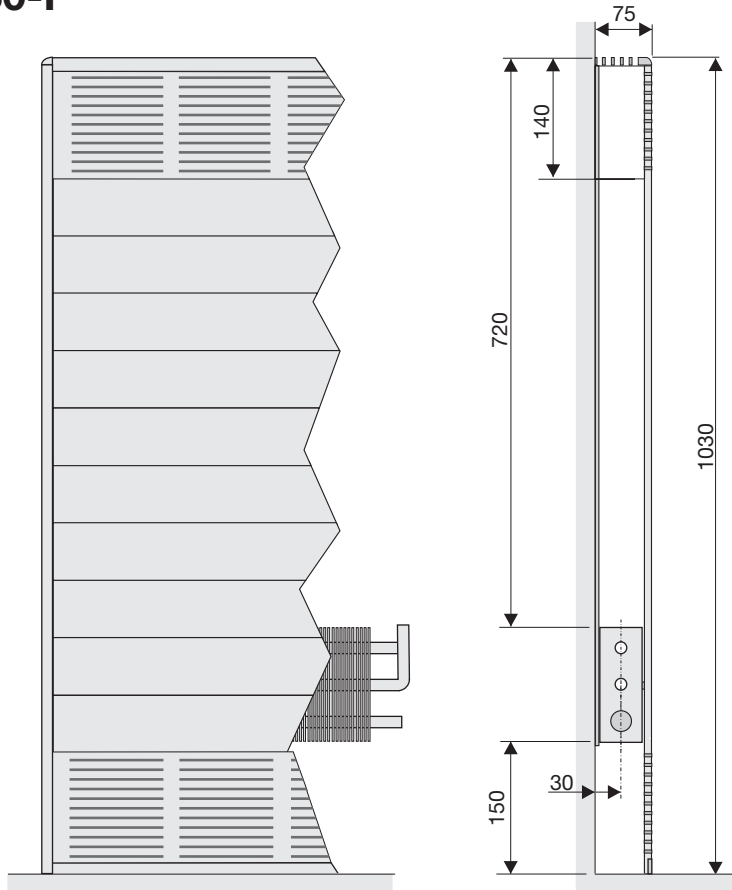


Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output $T=60K$ Watts
6.75	0.97	0.20	490	661	Z75-880-F-661	247	288	316
7.79	1.19	0.24	600	763	Z75-880-F-763	314	366	402
8.84	1.39	0.28	700	865	Z75-880-F-865	378	441	484
9.89	1.60	0.32	805	968	Z75-880-F-968	446	519	570
10.93	1.79	0.36	900	1070	Z75-880-F-1070	510	594	652
11.97	2.01	0.40	1010	1172	Z75-880-F-1172	577	673	738
13.02	2.21	0.44	1110	1274	Z75-880-F-1274	638	744	816
14.07	2.42	0.48	1215	1377	Z75-880-F-1377	705	822	902
15.11	2.60	0.52	1310	1479	Z75-880-F-1479	770	897	984
16.15	2.80	0.56	1410	1581	Z75-880-F-1581	834	971	1066
17.20	3.00	0.60	1510	1684	Z75-880-F-1684	901	1050	1152
18.25	3.21	0.64	1615	1786	Z75-880-F-1786	962	1121	1230
19.29	3.41	0.68	1715	1888	Z75-880-F-1888	1026	1196	1312
20.33	3.61	0.72	1815	1990	Z75-880-F-1990	1094	1274	1398
21.37	3.82	0.76	1920	2092	Z75-880-F-2092	1161	1353	1485
22.42	4.03	0.81	2025	2195	Z75-880-F-2195	1228	1431	1571
23.47	4.23	0.85	2125	2297	Z75-880-F-2297	1292	1506	1653
24.52	4.41	0.88	2220	2400	Z75-880-F-2400	1353	1577	1731
25.56	4.62	0.93	2325	2502	Z75-880-F-2502	1421	1655	1817
27.65	5.03	1.01	2530	2706	Z75-880-F-2706	1552	1808	1985
28.70	5.23	1.05	2630	2809	Z75-880-F-2809	1619	1887	2071
29.74	5.45	1.09	2740	2911	Z75-880-F-2911	1680	1958	2149

Z75 Low Surface Temperature

Z75 1030-F



Model Code (example)

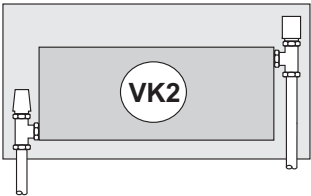
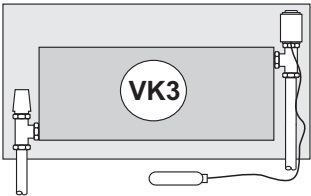
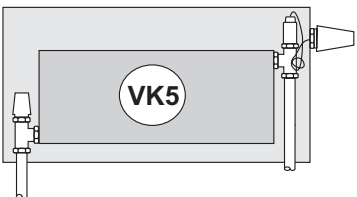
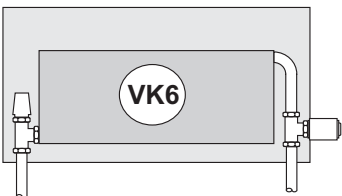
Z75-1030-F-661

- Overall length
- Style F
- Case height
- Zehnder
- 75mm LST

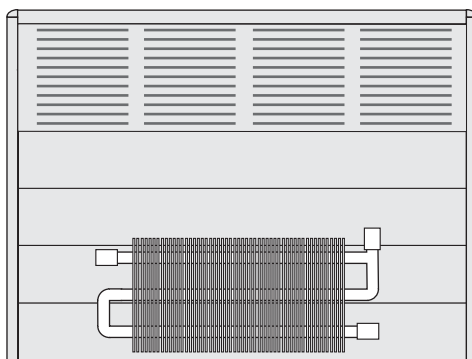
Technical Data

Case Mass kg	Emitter Mass (dry) kg	Volume V litres	Emitter Length mm	Case Length mm	Model	Output BS EN442 $\Delta T=50K$ Watts	Output $\Delta T=56K$ Watts	Output $T=60K$ Watts
7.94	0.97	0.20	490	661	Z75-1030-F-661	264	307	336
9.17	1.19	0.24	600	763	Z75-1030-F-763	336	391	428
10.39	1.39	0.28	700	865	Z75-1030-F-865	405	470	515
11.63	1.60	0.32	805	968	Z75-1030-F-968	477	554	607
12.86	1.79	0.36	900	1070	Z75-1030-F-1070	546	634	694
14.08	2.01	0.40	1010	1172	Z75-1030-F-1172	618	717	786
15.31	2.21	0.44	1110	1274	Z75-1030-F-1274	683	793	869
16.55	2.42	0.48	1215	1377	Z75-1030-F-1377	755	877	960
17.77	2.60	0.52	1310	1479	Z75-1030-F-1479	824	957	1048
19.00	2.80	0.56	1410	1581	Z75-1030-F-1581	892	1036	1135
20.23	3.00	0.60	1510	1684	Z75-1030-F-1684	964	1120	1227
21.46	3.21	0.64	1615	1786	Z75-1030-F-1786	1030	1196	1310
22.69	3.41	0.68	1715	1888	Z75-1030-F-1888	1098	1275	1397
23.91	3.61	0.72	1815	1990	Z75-1030-F-1990	1170	1359	1489
25.14	3.82	0.76	1920	2092	Z75-1030-F-2092	1242	1443	1580
26.37	4.03	0.81	2025	2195	Z75-1030-F-2195	1314	1526	1672
27.60	4.23	0.85	2125	2297	Z75-1030-F-2297	1383	1606	1759
28.84	4.41	0.88	2220	2400	Z75-1030-F-2400	1448	1682	1842
30.06	4.62	0.93	2325	2502	Z75-1030-F-2502	1520	1766	1934
32.51	5.03	1.01	2530	2706	Z75-1030-F-2706	1661	1929	2113
33.75	5.23	1.05	2630	2809	Z75-1030-F-2809	1733	2013	2205
34.98	5.45	1.09	2740	2911	Z75-1030-F-2911	1798	2088	2288

Valve Kits

Description	Configuration and Code	Kit Contents	Notes
Manual, Enclosed Wheelhead Valve	 <p>The diagram shows a rectangular valve body with a circular label 'VK2' in the center. On the left side, there is a manual wheelhead valve handle. On the right side, there are two vertical pipe connections with nuts and olives.</p>	<p>½"angle pattern manual body Manual Head ½"angle pattern lockshield Nuts and olives</p>	<p><i>Suitable for all models</i></p>
Enclosed TRV with Remote Sensor	 <p>The diagram shows a rectangular valve body with a circular label 'VK3' in the center. On the left side, there is a TRV head. On the right side, there are two vertical pipe connections with nuts and olives. A remote sensor cable is connected to the bottom of the valve body.</p>	<p>½"angle pattern TRV body Remote sensor TRV ½"angle pattern lockshield Nuts and olives</p>	<p><i>Suitable for all models</i></p>
Large, Robust Remote Adjuster TRV	 <p>The diagram shows a rectangular valve body with a circular label 'VK5' in the center. On the left side, there is a TRV head. On the right side, there are two vertical pipe connections with nuts and olives, and a side panel protrusion.</p>	<p>½"angle pattern TRV body Remote Transmitter TRV Head (robust or standard) ½"angle pattern lockshield Nuts and olives</p>	<p><i>Suitable for all models</i> <i>Side panel drilled to suit at factory</i> <i>Handing to be specified</i></p>
Direct Acting TRV Thru' Side of Case	 <p>The diagram shows a rectangular valve body with a circular label 'VK6' in the center. On the left side, there is a TRV head. On the right side, there are two vertical pipe connections with nuts and olives, and a side panel protrusion.</p>	<p>½"straight pattern TRV body TRV Head (robust or standard) ½"angle pattern lockshield Nuts and olives</p>	<p><i>Suitable for all models</i> <i>Side panels punched to suit at factory</i> <i>Handings to be specified</i></p>

Standard Connections



Emitter can be fitted for flow in either direction.

All emitters are supplied complete with 1/8" bsp air vents.

Configurations suitable for single pipe heating systems are available for all styles and sizes on request.

Correction Factors

Outputs are shown at $\Delta T=50, 56$ and $60K$.

For other ΔT values, a correction factor must be used: this is a factor to convert the output from $\Delta T=50K$ to the design ΔT .

e.g. For model Z75-440-T-1070 $\Delta T=50K = 479W$. For $\Delta T=58K$, correction factor (from table below) = 1.224, so corrected value = $479 \times 1.224 = 586W @ \Delta T=58K$.

Correction Factors for $\Delta T=30 - 50K$

Model	n	30	32	34	36	38	40	42	44	46	48	50
Z75-440-T	1.36	0.498	0.544	0.591	0.639	0.688	0.737	0.788	0.840	0.892	0.945	1.000
Z75-590-T	1.34	0.504	0.549	0.596	0.643	0.692	0.741	0.791	0.842	0.894	0.946	1.000
Z75-740-T	1.32	0.509	0.554	0.601	0.648	0.696	0.744	0.794	0.844	0.895	0.947	1.000
Z75-890-T	1.30	0.515	0.560	0.606	0.652	0.700	0.748	0.797	0.847	0.897	0.948	1.000
Z75-580-F	1.41	0.487	0.533	0.581	0.630	0.679	0.730	0.782	0.835	0.889	0.944	1.000
Z75-730-F	1.38	0.494	0.540	0.587	0.636	0.685	0.735	0.786	0.838	0.891	0.945	1.000
Z75-880-F	1.35	0.502	0.547	0.594	0.642	0.690	0.740	0.790	0.841	0.893	0.946	1.000
Z75-1030-F	1.32	0.509	0.554	0.601	0.648	0.696	0.744	0.794	0.844	0.895	0.947	1.000

Correction Factors for $\Delta T=50 - 70K$

Model	n	50	52	54	56	58	60	62	64	66	68	70
Z75-440-T	1.36	1.000	1.054	1.110	1.166	1.223	1.281	1.340	1.399	1.459	1.520	1.581
Z75-590-T	1.34	1.000	1.053	1.108	1.164	1.220	1.276	1.334	1.392	1.450	1.510	1.570
Z75-740-T	1.32	1.000	1.053	1.106	1.161	1.216	1.271	1.328	1.385	1.442	1.500	1.558
Z75-890-T	1.30	1.000	1.052	1.105	1.158	1.212	1.267	1.322	1.377	1.433	1.490	1.547
Z75-580-F	1.41	1.000	1.056	1.114	1.172	1.232	1.292	1.353	1.414	1.477	1.540	1.604
Z75-730-F	1.38	1.000	1.055	1.111	1.168	1.226	1.285	1.344	1.405	1.465	1.527	1.589
Z75-880-F	1.35	1.000	1.054	1.109	1.165	1.221	1.278	1.336	1.395	1.454	1.513	1.574
Z75-1030-F	1.32	1.000	1.053	1.106	1.161	1.216	1.272	1.328	1.385	1.442	1.500	1.559

Where the design conditions fall outside of the tabulated values, the correction factor is easily calculated using the following formula:

$$\text{Correction factor} = (\text{Design } \Delta T / \text{Reference } \Delta T)^n \text{ where: } n = \text{exponential}$$

$$\text{Reference } \Delta T = 50K$$

e.g. Correction factor for any Z75-440T at design condition $\Delta T = 75K$:

$$cf = (75/50)^{1.36} = 1.736$$

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Zehnder Ltd

B15 Armstrong Mall
Southwood Business Park
Farnborough
Hants, GU14 0NR

Tel. +44 (0) 1252 515151
Fax +44 (0) 1252 522528
sales@zehnder.co.uk
www.zehnder.co.uk

zehnder