

General

Provide MYSON LST wall hung steel panel radiators with included shroud in models and sizes including accessories as scheduled. MYSON LST RADIATORS are made of 18 gauge cold-rolled sheet steel in accordance with EN 442-1.

The LST Series radiators are equipped with a separate 18 gauge rounded steel enclosure designed to give protection against high surface temperature. The enclosure is engineered to have a surface temperature of less than 109°F with an inlet water temperature of 180°F in addition to providing for the concealment and security of the pipework and valves. A unique locking mechanism prevents unauthorized removal but give convenient access for venting, cleaning, decorating, etc.

The LST Series radiators are an advanced design giving high efficiency characteristics. The high outputs per unit surface area for the radiator models have been achieved by ensuring excellent contact between the convector plates and both the water channels and dividing metal of the radiator panels - see **figure 1**. The convector surface is spot-welded to the metal channels, but also firmly locates into grooves on the water channels, thus ensuring high heat transfer rates.

Standard Connections:

4 x internal thread G 1/2" BSP, 2 on each side, welded in for supply and return.

Maximum positive operating pressure: 117.1psi

Maximum operating temperature: 230° F

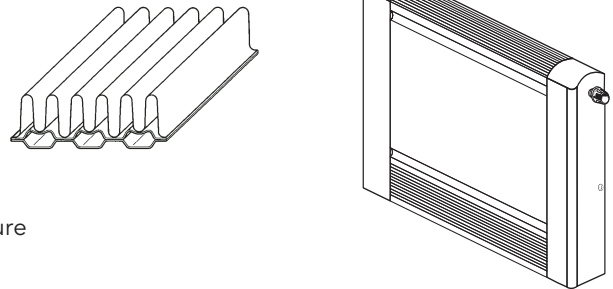
LST Super Depth: 4⁷/₃₂ inches

single panel & one row of convector plates plus rounded steel enclosure

LST Super Plus Depth: 6³/₁₆ inches

double panel & two rows of convector plates plus rounded steel enclosure

figure 1



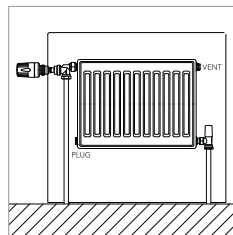
Standard Heights:

22, 25, 33, & 37 inches (Nominal)

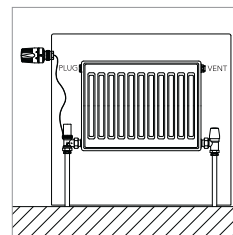
Standard Lengths:

24 to 79 inches (Nominal)

- MYSON recommends the use of one of the following TRV kits with the LST radiator.
 - **Close Coupled TRV Kit**
Suitable for TBOE or BOE connections
 - **Direct Fit TRV Kit**
Suitable for TBOE connections only



Direct Fit TRV Kit
This kit allows a MYSON TRV body to be directly fitted to the radiator, with the thermostatic head projecting beyond the enclosure.



Close Coupled TRV Kit
This arrangement offers a choice of positions for both the valve body and sensor head.

The kit allows the thermal sensing head of a MYSON Thermostatic Radiator Valve to be mounted directly on the top left/right hand side of the LST enclosure. The point of fitting has been half-sheared and requires only to be knocked out to facilitate easy installation, becoming an integral part of the appliance. The valve body is fitted to the heat emitter and is coupled to the sensing head by a flexible capillary extension lead.

Finishes:

1. **Undercoat:** electrophoretic, using water soluble paint, conforming to DIN 55900 part 1, baked at 347° F;
2. **Finish coat:** electrostatic powder coating, conforming to DIN 55900 part 2, baked at 374° F. (On request, and at a supplementary charge, a range of RAL colors can be offered. RAL 9016 white is standard.)

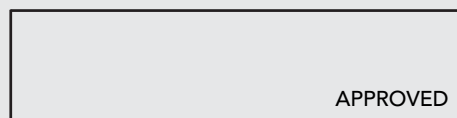
Quality certificates



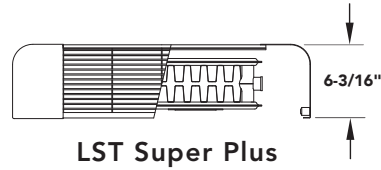
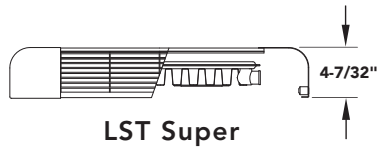
Warranty:
MYSON radiators are covered by a 10 year warranty.

PROJECT NAME:
ARCHITECT:
ENGINEER:
SUBMITTED DATE:

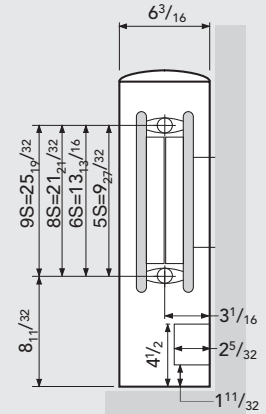
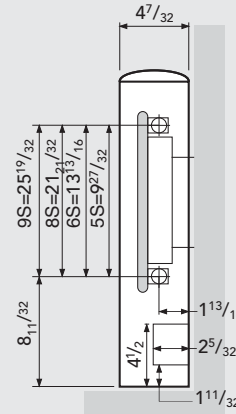
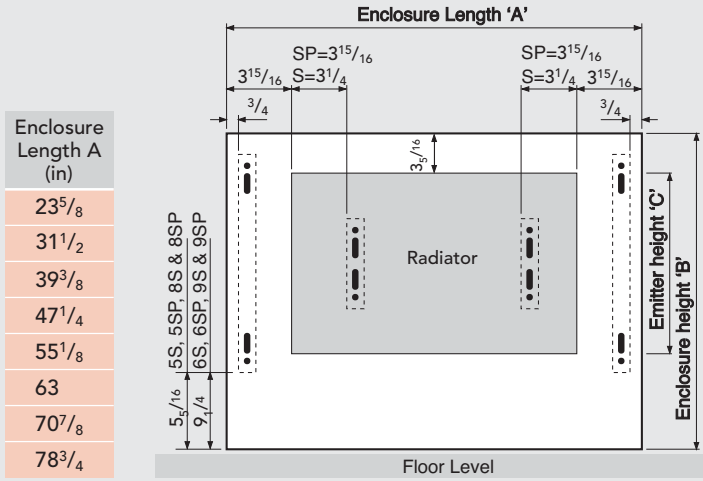
APPROVED DATE:



LST Super and LST Super Plus models



Bracket Positions and Dimensions



Enclosure Height* B (in)	22 1/2	26 15/32	34 11/32	38 1/4
Radiator Height C (in)	11 13/16	15 3/4	23 5/8	27 9/16

* This measurement includes an extra 7/8" to account for the curvature of the top grille.

Important: It is advisable to leave a further 3/16" clearance above any final floor covering to allow for easy fitting and removal.

Height	Order Code	Nominal Length (mm - inches)	Output* Btuh @ 180°F AWT	Output* Btuh @ 160°F AWT	Weight (lbs)	Water Content (gals)	Order Code	Output* Btuh @ 180°F AWT	Output* Btuh @ 160°F AWT	Weight (lbs)	Water Content (gals)
572mm 22 1/2 in	5 LS 080	600 - 23 5/8	946	475	27	0.34	5 LSP 080	1861	942	40	0.68
	5 LS 100	1000 - 39 3/8	1261	634	34	0.43	5 LSP 100	2481	1256	50	0.85
	5 LS 120	1200 - 47 1/4	1576	792	41	0.51	5 LSP 120	3102	1571	61	1.02
	5 LS 160	1600 - 63	2207	1109	55	0.68	5 LSP 160	4342	2199	82	1.36
	5 LS 200	2000 - 78 3/4	2837	1426	69	0.85	5 LSP 200	5583	2827	103	1.69
672mm 26 15/32 in	6 LS 060	600 - 23 5/8	830	418	25	0.32	6 LSP 060	1597	811	36	0.65
	6 LS 080	800 - 31 1/2	1245	627	33	0.43	6 LSP 080	2395	1217	50	0.87
	6 LS 100	1000 - 39 3/8	1660	836	42	0.53	6 LSP 100	3194	1622	63	1.09
	6 LS 120	1200 - 47 1/4	2074	1045	50	0.64	6 LSP 120	3992	2028	77	1.30
	6 LS 140	1400 - 55 1/8	2489	1254	59	0.74	6 LSP 140	4790	2433	90	1.52
	6 LS 160	1600 - 63	2904	1463	68	0.85	6 LSP 160	5589	2839	103	1.74
872mm 34 11/32 in	8 LS 180	1800 - 70 7/8	3319	1672	77	0.95	6 LSP 180	6387	3234	117	1.95
	6 LS 200	2000 - 78 3/4	3734	1881	85	1.06	6 LSP 200	7186	3650	130	2.17
	8 LS 060	600 - 23 5/8	1205	610	34	0.48	8 LSP 060	2249	1150	51	0.94
	8 LS 080	800 - 31 1/2	1808	915	46	0.64	8 LSP 080	3374	1724	71	1.25
	8 LS 100	1000 - 39 3/8	2410	1221	59	0.80	8 LSP 100	4498	2299	90	1.56
	8 LS 120	1200 - 47 1/4	3013	1526	71	0.95	8 LSP 120	5623	2874	110	1.87
972mm 38 1/4 in	8 LS 140	1400 - 55 1/8	3615	1831	84	1.10	8 LSP 140	6748	3449	129	2.19
	8 LS 160	1600 - 63	4218	2136	96	1.27	8 LSP 160	7872	4023	149	2.50
	8 LS 180	1800 - 70 7/8	4820	2441	109	1.43	8 LSP 180	8997	4598	169	2.81
	8 LS 200	2000 - 78 3/4	5423	2746	121	1.59	8 LSP 200	10121	5173	188	3.12
	9 LS 060	600 - 23 5/8	1383	702	38	0.54	9 LSP 060	2548	1306	58	1.10
	9 LS 080	800 - 31 1/2	2074	1053	52	0.72	9 LSP 080	3822	1959	80	1.46
972mm 38 1/4 in	9 LS 100	1000 - 39 3/8	2765	1404	66	0.90	9 LSP 100	5096	2613	103	1.83
	9 LS 120	1200 - 47 1/4	3456	1755	80	1.08	9 LSP 120	6370	3266	125	2.19
	9 LS 140	1400 - 55 1/8	4148	2106	94	1.26	9 LSP 140	7644	3919	147	2.56
	9 LS 160	1600 - 63	4839	2457	108	1.44	9 LSP 160	8918	4572	170	2.92
	9 LS 180	1800 - 70 7/8	5530	2808	122	1.62	9 LSP 180	10192	5225	192	3.28

* Outputs are based on EAT of 68°F. For outputs based on other AWT and/or other EAT please consult our radiator correction chart.

All Dimensions are nominal