LST Radiators *Low Surface Temperature*

Why Choose Myson LST Radiators

There are some installations that require heating equipment to operate at a lower surface temperature. For example, higher surface temperatures are not appropriate for those most vulnerable such as young children, the elderly and infirm. The unique design of the Myson LST gives a surface temperature of less than 109˚F. This ensures absolute safety without compromising on heat output into the room.

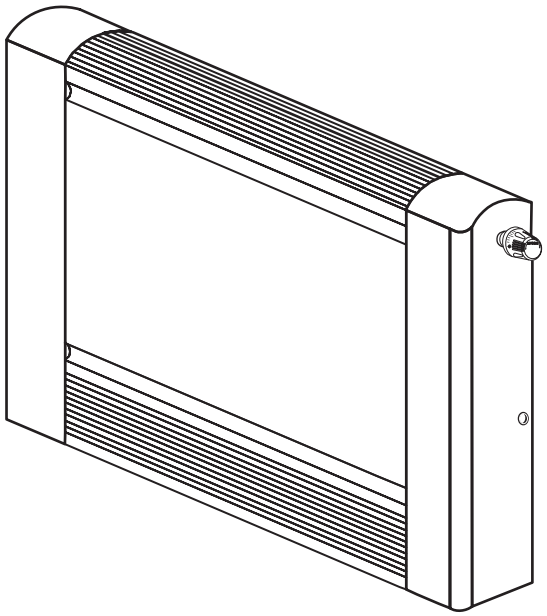
The low surface temperature of Myson LST Radiators makes them ideal in situations where safety is paramount. Increasingly they are specified and installed by health authorities, local authorities, government departments, leisure centers and public buildings.

Myson—The Original

Myson was the first radiator manufacturer to base its LST Radiator on its well-proven steel panel radiator range. This not only ensures that there is a radiator to suit almost every application, but that reliability is built in and second to none.

Myson LST Radiators are available in four heights and up to eight lengths for maximum flexibility, and have many unique features, making selection really easy.

As with all Myson products, installation couldn't be simpler, and with a host of clever design features and clean simple lines, you can be sure that the Myson LST Radiator will look good in any situation.



General Specifications

Introduction

Myson LST Radiators are intended for use in heating applications where a low surface temperature is required (less than 109˚F with inlet water at 180˚F) or is desirable for other reasons. Typical applications are hospitals, clinics, retirement homes, nurseries, public buildings (e.g. schools, libraries, sports halls, etc) and private housing.

Description

The LST Radiators consist of an efficient internal heat emitter in an attractive and robust .047" (18 gauge) steel enclosure. The enclosure is designed to give protection against high surface temperatures and also provides for concealment and security of pipework and valves. A simple unique locking arrangement prevents unauthorized removal but gives ready and convenient access for venting and cleaning, decorating, etc.

Surface Temperatures

Surface temperatures are below 109˚F with water inlet temperature up to 180˚F.

Range

The Myson LST is available in fifty-six sizes comprising four heights 22", 26", 34" and 38", and up to eight lengths from 32" to 78". Two types are available, Super and Super Plus.

Connections

Myson LST Radiators are fitted with 1/2" BSP threaded connections.

Accessories

Concealed wall brackets, air vent, and plug are supplied with every radiator. A fitting instruction leaflet is also included.

Pressures

Every Myson LST Radiator is tested to a pressure of 152.5 psi and is suitable for a working pressure of 117.1 psi.

Installation

Myson LST Radiators are for use on indirect systems only, with a maximum working temperature of 180˚F.

We do not recommend the use of single feed indirect cylinders, as the possibility of aeration due to water interchange may lead to corrosion.

When installing the unit, allow for any floor covering. For example, allow an additional 3/16" above any floor that is likely to become wet when cleaning.

The installation work must be done in accordance with recognized good practice and precautions taken to avoid contamination which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the Manufacturer's Instructions must be strictly followed.

Cleaning and Maintenance

Myson LST Radiators have been designed and constructed to enable venting, cleaning and maintenance to be carried out easily without disturbance to plumbing. The casing and top grill are rounded to prevent items from being stacked on top and reducing heat output. A simple screw prevents unauthorized removal of the casing but gives easy access for cleaning.

Packaging

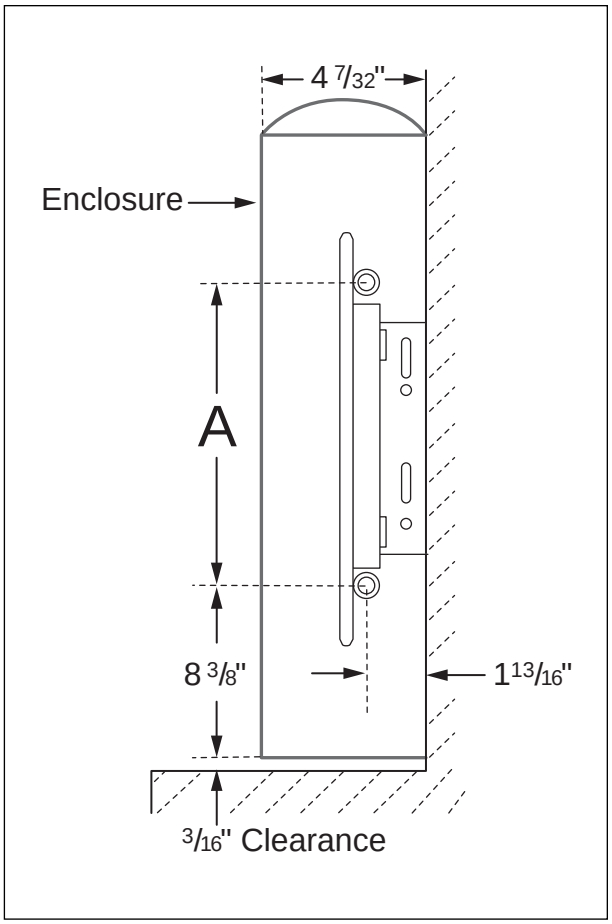
Each LST Radiator is individually packed in a single protective cardboard carton which displays the unique model identification code. Concealed wall brackets are a standard feature of all models and the single piece case makes fitting easy. The Myson LST is delivered as a complete unit from stock, but the radiator can be fitted separately in order to avoid damage to the casing prior to installing.

Approval and Certification

All Myson LST Radiators are manufactured and tested to BS EN 442. Every radiator carries the BS Kitemark which certifies independent approval of heat output and verifies production under a quality system to BS EN ISO 9002.

Super LST

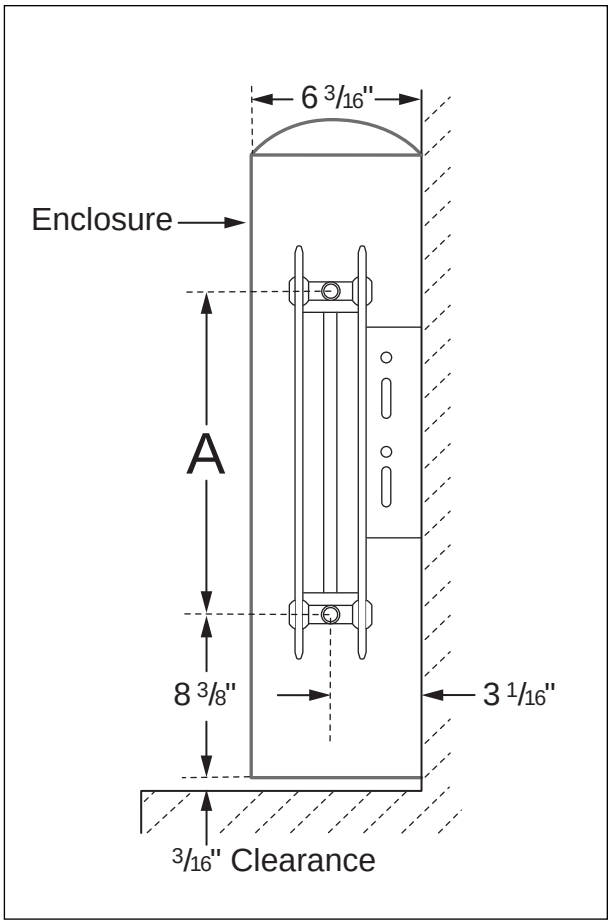
Nominal Height (in) (Enclosure)	Actual Height (in) (Enclosure)	Actual Length (in) (Enclosure)	Output (Btu/hr)	Order Code	Weight (lbs)	Water Content (gals)
		31 1/2	985	5 LS 080	.	.
		39 3/8	1313	5 LS 100	.	.
22	21 5/8	47 1/4	1641	5 LS 120	.	.
		63	2298	5 LS 160	.	.
		78 3/4	2954	5 LS 200	.	.
		23 5/8	854	6 LS 060	.	.
		31 1/2	1282	6 LS 080	.	.
		39 3/8	1709	6 LS 100	.	.
		47 1/4	2136	6 LS 120	.	.
26	25 5/8	55 1/8	2563	6 LS 140	.	.
		63	2990	6 LS 160	.	.
		70 7/8	3417	6 LS 180	.	.
		78 3/4	3845	6 LS 200	.	.
		23 5/8	1222	8 LS 060	.	.
		31 1/2	1838	8 LS 080	.	.
		39 3/8	2451	8 LS 100	.	.
		47 1/4	3064	8 LS 120	.	.
34	33 1/2	55 1/8	3677	8 LS 140	.	.
		63	4290	8 LS 160	.	.
		70 7/8	4902	8 LS 180	.	.
		78 3/4	5515	8 LS 200	.	.
		23 5/8	1402	9 LS 060	.	.
		31 1/2	2102	9 LS 080	.	.
		39 3/8	2803	9 LS 100	.	.
38	37 7/16	47 1/4	3504	9 LS 120	.	.
		55 1/8	4205	9 LS 140	.	.
		63	4906	9 LS 160	.	.
		70 7/8	5607	9 LS 180	.	.



A	9 3/4" — (5LS)
	13 11/16" — (6LS)
	21 9/16" — (8LS)
	25 1/2" — (9LS)

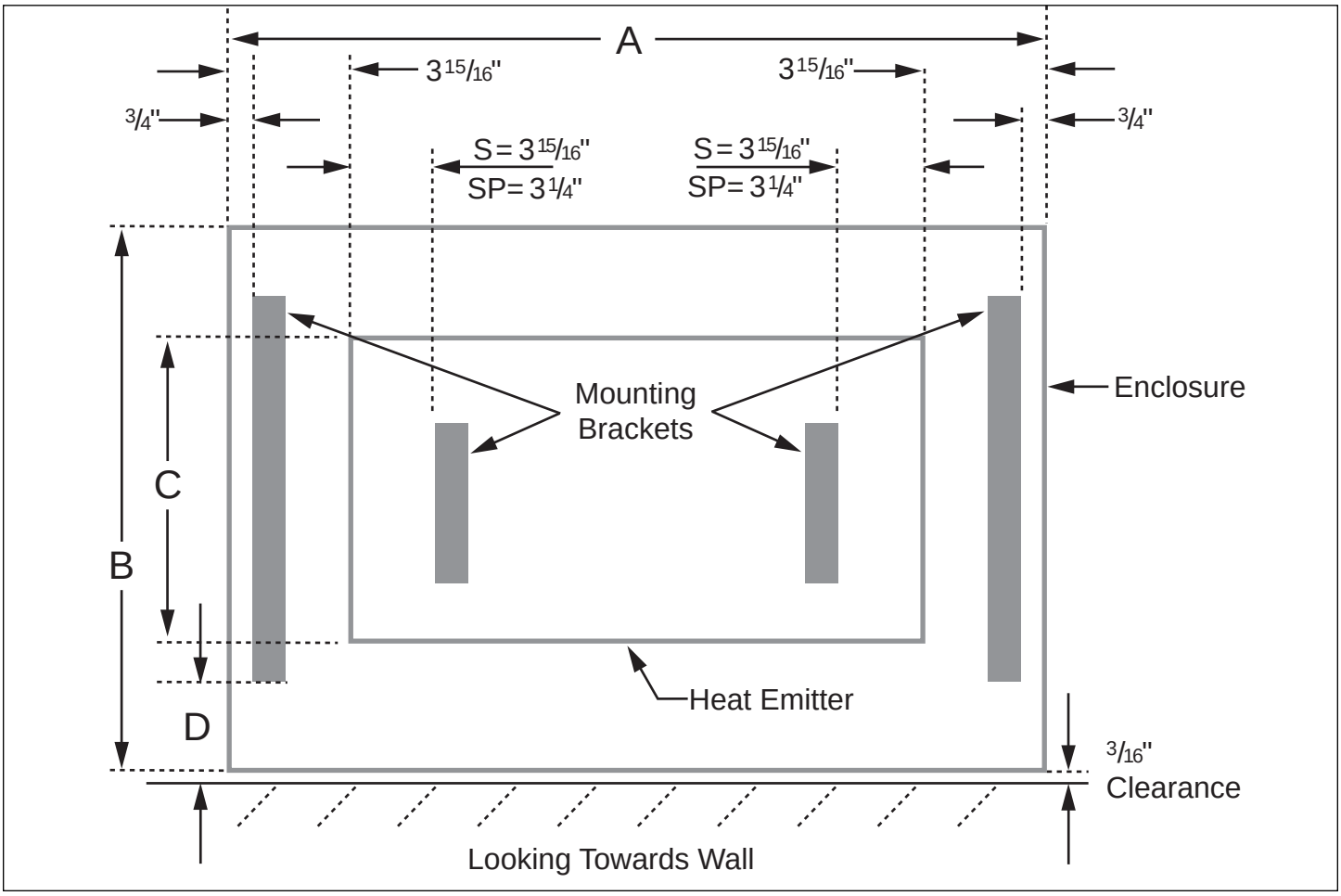
Super Plus LST

Nominal Height (in) (Enclosure)	Actual Height (in) (Enclosure)	Actual Length (in) (Enclosure)	Output (Btu/hr)	Order Code	Weight (lbs)	Water Content (gals)
		31 1/2	1930	5 LSP 080	.	.
		39 3/8	2574	5 LSP 100	.	.
22	21 5/8	47 1/4	3217	5 LSP 120	.	.
		63	4504	5 LSP 160	.	.
		78 3/4	5791	5 LSP 200	.	.
		23 5/8	1579	6 LSP 060	.	.
		31 1/2	2368	6 LSP 080	.	.
		39 3/8	3158	6 LSP 100	.	.
		47 1/4	3947	6 LSP 120	.	.
26	25 5/8	55 1/8	4737	6 LSP 140	.	.
		63	5526	6 LSP 160	.	.
		70 7/8	6316	6 LSP 180	.	.
		78 3/4	7105	6 LSP 200	.	.
		23 5/8	2170	8 LSP 060	.	.
		31 1/2	3255	8 LSP 080	.	.
		39 3/8	4340	8 LSP 100	.	.
		47 1/4	5425	8 LSP 120	.	.
34	33 1/2	55 1/8	6510	8 LSP 140	.	.
		63	7595	8 LSP 160	.	.
		70 7/8	8680	8 LSP 180	.	.
		78 3/4	9765	8 LSP 200	.	.
		23 5/8	2477	9 LSP 060	.	.
		31 1/2	3715	9 LSP 080	.	.
		39 3/8	4954	9 LSP 100	.	.
38	37 7/16	47 1/4	6192	9 LSP 120	.	.
		55 1/8	7431	9 LSP 140	.	.
		63	8669	9 LSP 160	.	.
		70 7/8	9908	9 LSP 180	.	.



A	9 3/4" — (5LSP)
	13 11/16" — (6LSP)
	21 9/16" — (8LSP)
	25 1/2" — (9LSP)

Dimensions and Bracket Positions



(A) Enclosure length	23 5/8"	31 1/2"	39 3/8"	47 1/4"	55 1/8"	63"	70 7/8"	78 3/4"
(B) Enclosure Height	22 1/2"	26 1/2"	34 3/8"	38 1/4"				
(C) Emitter Height	11 13/16"	15 3/4"	23 5/8"	27 9/16"				

(D) Enclosure mounting brackets

Height	Model	Model	Model	Model
5 5/16"	5LS	5LSP	8LS	8LSP
9 1/4"	6LS	6LSP	9LS	9LSP