

# Product Data Sheet

9/1/2024

Panel Radiators

## LST

UK - Myson



- **Maximum safety**
- **Ideal for hospitals, schools, etc.**
- **Aesthetically pleasing**
- **Horizontal and vertical options**
- **Available in Super, Super Extra & Super Plus**

## Description

Myson LST is the UK's most comprehensive and popular range of LST radiators, with both horizontal and vertical options available. The range is compliant with NHS Estates Guidance Notes 1998 and comes with anti-bacterial paint, making it ideal for hospital and care home applications. Myson LST is also suitable for schools, student accommodation and other social housing projects, as the surface temperature remains below 43°C and comes with safety conscious round steel casing, which eliminates sharp edges and ensures pipe work is concealed.

## Area of Application

The Myson LST is ideal for hospital and care home applications, compliant with NHS Estates Guidance notes 1998. Suitable for schools, student accommodation, and other social housing projects. The surface temperature stays below 43°C with a safe, round steel casing that eliminates sharp edges.

## Selection Criteria

For selecting or calculating the thermal heat power output, please use our design service. For quick selection, use our brochure.

## Basic User Instructions

The Myson LST radiator should be installed with the casing securely in place to ensure maximum safety, particularly in public or sensitive environments like hospitals and schools. The surface temperature must be maintained below 43°C to prevent burns. Regular maintenance involves cleaning the external casing and ensuring no obstruction to the radiator's airflow. Pipework should be concealed within the casing for an aesthetic finish. Use appropriate Myson TRV kits for optimal performance and control.

## Prescription text specifiers

The Myson LST radiator is designed for hospital, care home, and educational facility use, adhering to NHS Estates Guidance notes 1998. Available in horizontal and vertical models, it features anti-bacterial paint and safe, round steel casing to eliminate sharp edges. The radiator is suitable for 2 pipe pumped indirect domestic and commercial heating applications. The Myson LST range includes Super, Super Extra, and Super Plus types in various heights and lengths. It maintains a surface temperature below 43°C. Standard installation requires fittings, an air vent, and plug packs included in the packaging. Operational features include a 10-year warranty, multiple connection options, and full compliance with BS EN 442, ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018 standards.

## Warranty

For your additional peace of mind, Purmo Group gives the following Warranty against manufacturing defect. Your statutory rights are not affected by this Warranty.

Subject as provided below, Purmo Group warrants to the original purchaser at the original installation site that its products will be free from defects in materials and workmanship for the following periods:

- Hydronic Radiators: 10 years from date of purchase.\*
- Fan Assisted Radiators (ULOW-E2): 2 years from date of purchase.\*
- Fan Convectors: 2 years from date of purchase.
- Hydronic Underfloor Heating: 10 years for the pipe from date of purchase.
- Hydronic Underfloor Heating: 2 years on accessories, actuators, ball valves, controls, expansion vessels, fittings, low loss headers, manifolds, mixer control groups & tooling from date of purchase.
- Hydronic Underfloor Heating: 12 months on all pumps from date of purchase.
- Electric Underfloor Heating: 10 years from date of purchase (except programmer & sensor).
- Electric Radiators and Towel Warmers: 2 years from date of purchase.\*
- Hydronic Towel Warmers: 5 to 10 years from date of purchase depending on product type.\*
- Myson Radiator Valves and Controls: 2 to 5 years from date of purchase, depending on range.

\*Products which are exposed to prolonged extreme conditions, such as high humidity or severe

cold/condensation, may be subject to deterioration. This is not a result of any manufacturing defect. Products installed in these circumstances will be subject to a warranty period of twelve months only.

The original purchaser's remedy for breach of this Warranty is expressly limited to repair or replacement of any part or parts found to be defective under conditions of normal service and use during the above Warranty period and does not extend to Purmo Group being liable for any incidental, special or consequential damages or losses whatsoever, such as loss of use of the product, inconvenience or lost profits.

This Warranty does not cover any defect, damage or malfunction in the product which is due to: failure to comply in any respect with Purmo Group's installation, maintenance or operating instructions; faulty storage,

handling, installation or repair; mis-use; neglect; accident; abuse; or general wear and tear.

Before this warranty can be activated, the original purchaser will be required to prove, with supporting documentation, the date and place of purchase, as Purmo Group may need to conduct its investigation into

the alleged defect. This should be within 28 days of the date when the defect was discovered or ought to have reasonably discovered the defect.

Purmo Group reserves the right to make a reasonable charge for inspecting and testing any product which is subject to a Warranty claim and the rights conferred by the Warranty are conditional upon the payment of such charge. The charge may be made, at Purmo Group's discretion, either before or after the inspection and testing of the product. In the event that it is established to Purmo Group's reasonable satisfaction that a valid Warranty claim has been made in respect of the product, then any inspection charge which has been paid will be refunded in full by Purmo Group.

# Specification

Feature	Unit	Value
Etim Class		EC011022 - Panel radiator
Material		Steel
Type		11, 21, 22
Surface structure front side panel		Flat smooth
Water-bearing front panel		No
Height	Millimetre (mm)	572, 672, 872, 972
Length	Millimetre (mm)	420, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000, 2200
Depth	Millimetre (mm)	107, 127, 157
Heat emission according to EN 442 20 °C Watt (W) - 55/45		92, 122, 134, 139, 154 ... 1348, 1516, 1531, 1685, 1723
Heat emission according to EN 442 20 °C Watt (W) - 75/65		182, 243, 265, 277, 304 ... 2637, 2966, 2987, 3296, 3361
Heat emission according to EN 442 20 °C Watt (W) - 70/40		103, 138, 157, 200, 206 ... 934, 1030, 1068, 1201, 1335
N-exponent		1.264, 1.2808, 1.308, 1.314, 1.326, 1.3266, 1.3318, 1.332, 1.3423, 1.3475
Heat emission according to EN 442 laboratory		Yes
Max. operating pressure	Bar (bar)	8
Water content	Litre (l)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Standard colour		Yes
Colour		White
RAL-number		9016
Degree of gloss		Glossy
Welded-on strips		Yes
With side lining		Yes
With top cladding		Yes
Collapsible		No
Number of standard connections		4
Thread size (inch)		1/2 inch
Thread connection		Internal thread
Suitable for damp space		No
With single-point connection		No
With de-aeration connection		Yes
With de-aerator		Yes
With drain possibility (connection)		No
With drain valve		No

Feature	Unit	Value
With wall brackets		Yes
Suitable for electrical element		No
With electrical element		No
With blind stops		No
With mounting material		Yes
With towel holder		No
Recessed towel holder		No
Watt Per Meter	Watt per metre (W/m)	370, 486, 706, 710, 727, 810, 936, 966, 1318, 1494
Mounting direction		Horizontal
Factor K		0.954, 1.274, 1.423, 1.447, 1.694 ... 17.203, 17.367, 17.905, 19.299, 20.147
Heat emission according to EN 442 20 °C – 55/45 [Btu/h]		314, 418, 457, 475, 529 ... 4598, 5173, 5225, 5746, 5879
Max. operating temperature	Degrees celsius (°C)	110
Number of wall brackets		2, 3
Heat emission according to EN 442 20 °C – 75/65 [Btu/h]		621, 830, 904, 946, 1037 ... 8997, 10121, 10192, 11245, 11468
Item weight	Kilogram (kg)	7.43, 10.15, 10.61, 11.02, 11.36 ... 83.21, 85.06, 86.91, 93.88, 97.09

# Resources

Document Description	Document Type	Link
Myson Complete Solutions - Full Brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b">https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b</a>
Myson LST Brochure	Brochure	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_b4d3acf0-fab4-48de-b436-a225dc58e4b1">https://asset.productmarketingcloud.com/api/assetstorage/3577_b4d3acf0-fab4-48de-b436-a225dc58e4b1</a>
Installation instructions	Installation Instructions	<a href="https://asset.productmarketingcloud.com/api/assetstorage/3577_2fbb5d6d-327c-4e44-b4c1-0c6b6591025d">https://asset.productmarketingcloud.com/api/assetstorage/3577_2fbb5d6d-327c-4e44-b4c1-0c6b6591025d</a>

# Items

Local Code	Global Item Code	Item Description
5LS080	FOE1105508000100	Type 11 572h x 800w - LST Super
5LS100	FOE1105510000100	Type 11 572h x 1000w - LST Super
5LS120	FOE1105512000100	Type 11 572h x 1200w - LST Super
5LS140	FOE1105514000100	Type 11 572h x 1400w - LST Super
5LS160	FOE1105516000100	Type 11 572h x 1600w - LST Super
5LS180	FOE1105518000100	Type 11 572h x 1800w - LST Super
5LS200	FOE1105520000100	Type 11 572h x 2000w - LST Super
6LS042	FOE1106504200100	Type 11 672h x 420w - LST Super
6LS060	FOE1106506000100	Type 11 672h x 600w - LST Super
6LS080	FOE1106508000100	Type 11 672h x 800w - LST Super
6LS100	FOE1106510000100	Type 11 672h x 1000w - LST Super
6LS120	FOE1106512000100	Type 11 672h x 1200w - LST Super
6LS140	FOE1106514000100	Type 11 672h x 1400w - LST Super
6LS160	FOE1106516000100	Type 11 672h x 1600w - LST Super
6LS180	FOE1106518000100	Type 11 672h x 1800w - LST Super
6LS200	FOE1106520000100	Type 11 672h x 2000w - LST Super
6LS220	FOE1106522000100	Type 11 672h x 2200w - LST Super
8LS042	FOE1108504200100	Type 11 872h x 420w - LST Super
8LS060	FOE1108506000100	Type 11 872h x 600w - LST Super
8LS080	FOE1108508000100	Type 11 872h x 800w - LST Super
8LS100	FOE1108510000100	Type 11 872h x 1000w - LST Super
8LS120	FOE1108512000100	Type 11 872h x 1200w - LST Super
8LS140	FOE1108514000100	Type 11 872h x 1400w - LST Super
8LS160	FOE1108516000100	Type 11 872h x 1600w - LST Super
8LS180	FOE1108518000100	Type 11 872h x 1800w - LST Super
8LS200	FOE1108520000100	Type 11 872h x 2000w - LST Super
8LS220	FOE1108522000100	Type 11 872h x 2200w - LST Super

Local Code	Global Item Code	Item Description
9LS042	FOE1109504200100	Type 11 972h x 420w - LST Super (limited availability)
9LS060	FOE1109506000100	Type 11 972h x 600w - LST Super (limited availability)
9LS080	FOE1109508000100	Type 11 972h x 800w - LST Super (limited availability)
9LS100	FOE1109510000100	Type 11 972h x 1000w - LST Super (limited availability)
9LS120	FOE1109512000100	Type 11 972h x 1200w - LST Super (limited availability)
9LS140	FOE1109514000100	Type 11 972h x 1400w - LST Super (limited availability)
9LS160	FOE1109516000100	Type 11 972h x 1600w - LST Super (limited availability)
9LS180	FOE1109518000100	Type 11 972h x 1800w - LST Super (limited availability)
9LS200	FOE1109520000100	Type 11 972h x 2000w - LST Super (limited availability)
6LSX060	FOE2106506000100	Type 21 672h x 600w - LST Extra
6LSX080	FOE2106508000100	Type 21 672h x 800w - LST Extra
6LSX100	FOE2106510000100	Type 21 672h x 1000w - LST Extra
6LSX120	FOE2106512000100	Type 21 672h x 1200w - LST Extra
6LSX140	FOE2106514000100	Type 21 672h x 1400w - LST Extra
6LSX160	FOE2106516000100	Type 21 672h x 1600w - LST Extra
6LSX180	FOE2106518000100	Type 21 672h x 1800w - LST Extra
6LSX200	FOE2106520000100	Type 21 672h x 2000w - LST Extra
6LSX220	FOE2106522000100	Type 21 672h x 2200w - LST Extra
8LSX060	FOE2108506000100	Type 21 872h x 600w - LST Extra
8LSX080	FOE2108508000100	Type 21 872h x 800w - LST Extra
8LSX100	FOE2108510000100	Type 21 872h x 1000w - LST Extra
8LSX120	FOE2108512000100	Type 21 872h x 1200w - LST Extra
8LSX140	FOE2108514000100	Type 21 872h x 1400w - LST Extra
8LSX160	FOE2108516000100	Type 21 872h x 1600w - LST Extra
8LSX180	FOE2108518000100	Type 21 872h x 1800w - LST Extra
8LSX200	FOE2108520000100	Type 21 872h x 2000w - LST Extra
8LSX220	FOE2108522000100	Type 21 872h x 2200w - LST Extra
5LSP080	FOE2205508000100	Type 22 572h x 800w - LST Super Plus
5LSP100	FOE2205510000100	Type 22 572h x 1000w - LST Super Plus
5LSP120	FOE2205512000100	Type 22 572h x 1200w - LST Super Plus
5LSP140	FOE2205514000100	Type 22 572h x 1400w - LST Super Plus
5LSP160	FOE2205516000100	Type 22 572h x 1600w - LST Super Plus
5LSP180	FOE2205518000100	Type 22 572h x 1800w - LST Super Plus

Local Code	Global Item Code	Item Description
5LSP200	F0E2205520000100	Type 22 572h x 2000w - LST Super Plus
6LSP042	F0E2206504200100	Type 22 672h x 420w - LST Super Plus
6LSP060	F0E2206506000100	Type 22 672h x 600w - LST Super Plus
6LSP080	F0E2206508000100	Type 22 672h x 800w - LST Super Plus
6LSP100	F0E2206510000100	Type 22 672h x 1000w - LST Super Plus
6LSP120	F0E2206512000100	Type 22 672h x 1200w - LST Super Plus
6LSP140	F0E2206514000100	Type 22 672h x 1400w - LST Super Plus
6LSP160	F0E2206516000100	Type 22 672h x 1600w - LST Super Plus
6LSP180	F0E2206518000100	Type 22 672h x 1800w - LST Super Plus
6LSP200	F0E2206520000100	Type 22 672h x 2000w - LST Super Plus
6LSP220	F0E2206522000100	Type 22 672h x 2200w - LST Super Plus
8LSP042	F0E2208504200100	Type 22 872h x 420w - LST Super Plus
8LSP060	F0E2208506000100	Type 22 872h x 600w - LST Super Plus
8LSP080	F0E2208508000100	Type 22 872h x 800w - LST Super Plus
8LSP100	F0E2208510000100	Type 22 872h x 1000w - LST Super Plus
8LSP120	F0E2208512000100	Type 22 872h x 1200w - LST Super Plus
8LSP140	F0E2208514000100	Type 22 872h x 1400w - LST Super Plus
8LSP160	F0E2208516000100	Type 22 872h x 1600w - LST Super Plus
8LSP180	F0E2208518000100	Type 22 872h x 1800w - LST Super Plus
8LSP200	F0E2208520000100	Type 22 872h x 2000w - LST Super Plus
8LSP220	F0E2208522000100	Type 22 872h x 2200w - LST Super Plus
9LSP042	F0E2209504200100	Type 22 972h x 420w - LST Super Plus (limited availability)
9LSP060	F0E2209506000100	Type 22 972h x 600w - LST Super Plus (limited availability)
9LSP080	F0E2209508000100	Type 22 972h x 800w - LST Super Plus (limited availability)
9LSP100	F0E2209510000100	Type 22 972h x 1000w - LST Super Plus (limited availability)
9LSP120	F0E2209512000100	Type 22 972h x 1200w - LST Super Plus (limited availability)
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9LSP160	F0E2209516000100	Type 22 972h x 1600w - LST Super Plus (limited availability)
9LSP180	F0E2209518000100	Type 22 972h x 1800w - LST Super Plus (limited availability)
9LSP200	F0E2209520000100	Type 22 972h x 2000w - LST Super Plus (limited availability)