Product Data Sheet

12/7/2024

Panel Radiators

Ulow E2

UK - Myson

- Super efficient radiator
- Ideal for low-temperature heating systems
- Integrated fan
- Electronic thermostatic actuator
- Silent operation

Description

The Myson Ulow E2 fan-assisted radiator is the ultimate choice when it comes to intelligent, low temperature heating. It uses in-built fans to force convection and produces heat outputs up to 60% more than traditional radiators. It has intelligent controls allowing the fans to work on a sliding scale where the water temperature must be 3°C higher than the set point. It is highly flexible, utilising central connection technology, and has a “summer breeze” function for air circulation on warm days. Double panel, as standard, with factory fitted top grille and side panels.

Area of Application

The Ulow E2 is ideal for low-temperature heating systems, offering both heating and cooling functionality. It is highly suitable for rooms needing more heat output from a panel radiator and features intelligent controls. Optimal for hydronic systems, it includes central connection technology, making it versatile for both residential and commercial applications.

Selection Criteria

Available in heights of 600mm and lengths from 400mm to 2000mm. Each size offers 3 heating modes.

Basic User Instructions

Install the Ulow E2 radiator with an electronic actuator for easy control. A central connection twin entry valve, nut, and olive pack are supplied separately. The built-in controls and fans should be used for optimal performance in both heating and cooling modes. Ensure proper maintenance and cleaning of the unit to maintain its efficiency. Wall brackets are included for secure mounting. Switch to air circulation mode during warm days to utilize the "summer breeze" function.

Prescription text specifiers

The Ulow E2 is a premium fan-assisted radiator designed for low-temperature heating systems. Available at heights of 600mm and lengths between 400mm to 2000mm, it incorporates intelligent controls and built-in fans to enhance heat distribution and performance. Capable of producing up to 60% more heat than traditional radiators, it features central connection technology for flexible installation and maintenance. Suitable for hydronic heating applications in both residential and commercial settings, the Ulow E2 ensures efficient and rapid heating. The radiator also includes a "summer breeze" mode for air circulation during warmer months, adding to its versatility. It comes with a factory-fitted top grille and side panels, and uses a white electronic thermostatic actuator for precise temperature control.

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 & toolingfrom 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		EC004480 - Fan-assisted radiator
Material		Steel
Type		22
Mounting method		On wall
Surface structure front side panel		Flat smooth
Water-bearing front panel		No
Suitable for cooling		Yes
Height	Millimetre (mm)	600
Length	Millimetre (mm)	400, 600, 800, 1000, 1200, 1400, 1600, 1800, 2000
Depth	Millimetre (mm)	107
Max. operating pressure	Bar (bar)	10
Max. water temperature	Degrees celsius (°C)	60
Water content	Litre (l)	2.84, 4.26, 5.68, 7.1, 8.52, 9.94, 11.36, 12.78, 14.2
Standard colour		Yes
Colour		White
RAL-number		9016
Degree of gloss		Glossy
Welded-on strips		Yes
With side lining		Yes
With top cladding		Yes
Number of standard connections		2
Connection 1, bottom left		Other
Connection 2, left side low		Other
Connection 3, left side top		Control valve
Connection 4, top left		Other
Connection TC, top center		Other
Connection 5, top right		Other
Connection 6, right side top		Control valve
Connection 7, right side low		Other
Connection 8, bottom right		Other
Connection BC, bottom center		Double connection, inlet-outlet
Thread size (inch)		3/4 inch
Thread connection		External thread
Suitable for damp space		No
With single-point connection		No
With de-aeration connection		Yes

Feature	Unit	Value
With de-aerator		Yes
With drain possibility (connection)		Yes
With drain valve		No
With integrated thermostatic valve		Yes
With wall brackets		Yes
With blind stops		Yes
With mounting material		Yes
Heat emission according to EN 16430 20 °C - 55/45 low	Watt (W)	322, 484, 645, 806, 967, 1129, 1290, 1451, 1612
Heat emission according to EN 16430 20 °C - 55/45 medium	Watt (W)	446, 669, 892, 1116, 1339, 1562, 1785, 2008, 2231
Heat emission according to EN 16430 20 °C - 55/45 high	Watt (W)	506, 760, 1013, 1266, 1519, 1772, 2026, 2279, 2532
N-exponent according to EN 16430 20 °C - 55/45 low		1.3086
N-exponent according to EN 16430 20 °C - 55/45 medium		1.1969
N-exponent according to EN 16430 20 °C - 55/45 high		1.1576
Heat emission according to EN 16430 20 °C - 45/35 low	Watt (W)	184, 276, 368, 460, 551, 643, 735, 827, 919
Heat emission according to EN 16430 20 °C - 45/35 medium	Watt (W)	273, 409, 545, 681, 818, 954, 1090, 1226, 1363
Heat emission according to EN 16430 20 °C - 45/35 high	Watt (W)	317, 475, 633, 792, 950, 1108, 1267, 1425, 1583
N-exponent according to EN 16430 20 °C - 45/35 low		1.3407
N-exponent according to EN 16430 20 °C - 45/35 medium		1.1787
N-exponent according to EN 16430 20 °C - 45/35 high		1.1197
Heat emission according to EN 16430 20 °C - 40/35 low	Watt (W)	157, 236, 314, 393, 471, 550, 628, 707, 785
Heat emission according to EN 16430 20 °C - 40/35 medium	Watt (W)	238, 357, 476, 595, 714, 833, 952, 1071, 1190
Heat emission according to EN 16430 20 °C - 40/35 high	Watt (W)	277, 416, 554, 693, 832, 970, 1109, 1247, 1386
N-exponent according to EN 16430 20 °C - 40/35 low		1.3169
N-exponent according to EN 16430 20 °C - 40/35 medium		1.1287
N-exponent according to EN 16430 20 °C - 40/35 high		1.1123

Feature	Unit	Value
Heat emission according to EN 16430 20 °C - 35/30 low	Watt (W)	100, 150, 200, 250, 300, 350, 400, 450, 500
Heat emission according to EN 16430 20 °C - 35/30 medium	Watt (W)	162, 243, 323, 404, 485, 566, 647, 728, 809
Heat emission according to EN 16430 20 °C - 35/30 high	Watt (W)	189, 284, 379, 473, 568, 663, 758, 852, 947
N-exponent according to EN 16430 20 °C - 35/30 low		1.3169
N-exponent according to EN 16430 20 °C - 35/30 medium		1.1287
N-exponent according to EN 16430 20 °C - 35/30 high		1.1123
Cooling capacity according to EN 16430 26 °C - 17/19 perceived high	Watt (W)	97, 145, 194, 242, 291, 339, 388, 436, 485
Cooling capacity according to EN 16430 28 °C - 17/19 perceived high	Watt (W)	119, 179, 238, 298, 358, 417, 477, 536, 596
N-exponent according to EN 16430 20 °C - cooling mode, low		0.8863
N-exponent according to EN 16430 20 °C - cooling mode, high		0.9258
Position control panel		Top
Type of regulation		Digital
With level switch		Yes
With built-in position controller		Yes
Connection voltage	Volt (V)	230
Frequency		50/60 Hz
With time switch clock		No
Digital indication		No
With presence indicator		No
Adaptive (self-learning)		No
Consumption indication		No
Open window detection		No
Operation by app		No
Watt Per Meter (boost_lessDT30) - Heating	Watt per metre (W/m)	792
Watt Per Meter (boost_DT30) - Heating	Watt per metre (W/m)	1266
Watt Per Meter (standby_DT30) - Heating	Watt per metre (W/m)	806
Watt Per Meter (komfort_lessDT30) - Heating	Watt per metre (W/m)	681
Heat emission (static) 20 °C – 45/35	Watt (W)	184, 276, 368, 460, 551, 643, 735, 827, 919

Feature	Unit	Value
N-exponent (static) 20 °C – 45/35		1.3169
N-exponent according to EN 16430 20 °C - 50/40 high - Heating		1.1197
Watt Per Meter (komfort_DT30) - Heating	Watt per metre (W/m)	1116
N-exponent according to EN 16430 20 °C - 50/40 low - Heating		1.3407
Watt Per Meter (boost) - Cooling	Watt per metre (W/m)	119, 179, 238, 298, 358, 417, 477, 536, 596
N-exponent according to EN 16430 20 °C - cooling mode, medium		0.8863
Watt Per Meter (komfort) - Cooling	Watt per metre (W/m)	88, 132, 176, 220, 264, 308, 352, 396, 440
Watt Per Meter (standby_lessDT30) - Heating	Watt per metre (W/m)	460
N-exponent (static) 20 °C – 55/45		1.3086
Heat emission (static) 20 °C – 55/45	Watt (W)	322, 484, 645, 806, 967, 1129, 1290, 1451, 1612
N-exponent (static) 20 °C – 75/65		1.3086
N-exponent according to EN 16430 20 °C - 50/40 medium - Heating		1.1787
Item weight	Kilogram (kg)	17.13, 24.59, 32.06, 39.7, 47.16, 53.02, 62.27, 69.91, 77.37

Resources

Document Description	Document Type	Link
Myson Complete Solutions - Full Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_24872a57-c3a5-4956-ab4b-dfa3b522c19b
Myson Premium Panel Radiators Range	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_dbbb4886-bcb4-4852-95a7-59ce12e05cfb
Myson ULOW-E2 Brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_ccea300c-c20c-40f4-a2ba-c68c2f8e064e
ULOW-E2 technical brochure	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_3523ec22-569c-43dd-874d-03ccbf086e58
Colour options	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_f65456e4-6139-44cf-9d1d-0515ae484ab6
Myson Premium Panel & Designer Radiators	Brochure	https://asset.productmarketingcloud.com/api/assetstorage/3577_3d4bf218-6a5c-42b1-9724-4392ee2b378c
Ulow-E2 Easy-start manual	Installation Instructions	https://asset.productmarketingcloud.com/api/assetstorage/3577_b5faa60f-e46f-4d3d-807b-42d5b645d0c5
ULOW E2 Installation Instructions	Installation Instructions	https://asset.productmarketingcloud.com/api/assetstorage/3577_3760b371-1512-495b-b9b1-3ad8783ad06d

Items

Local Code	Global Item Code	Item Description
E260DC40	F9E2206004010000	Type 22 600h x 400w - E2
E260DC60	F9E2206006010000	Type 22 600h x 600w - E2
E260DC80	F9E2206008010000	Type 22 600h x 800w - E2
E260DC100	F9E2206010010000	Type 22 600h x 1000w - E2
E260DC120	F9E2206012010000	Type 22 600h x 1200w - E2
E260DC140	F9E2206014010000	Type 22 600h x 1400w - E2
E260DC160	F9E2206016010000	Type 22 600h x 1600w - E2
E260DC180	F9E2206018010000	Type 22 600h x 1800w - E2
E260DC200	F9E2206020010000	Type 22 600h x 2000w - E2