

Merriott

Fascia & Fascia Grace



Revision: November 2019

www.merriottuk.com
www.merriott.ie

What does Merriott stand for?

Merriott offers bespoke heating and cooling solutions that are the better choice for commercial applications across the UK and Ireland.

This means investing in world-class production facilities, and manufacturing products of the very highest standard – backed by revolutionary technology, rigorous testing and stringent quality control.

As a company, we have an unwavering commitment to innovation and sustainability, pioneering products that lead the way in design, performance and energy efficiency.

Underpinning all of this is our relationship with our customers: ensuring they can rely on best-in-class service and support, from specification right through to delivery.



Content

Range Overview	02
Range Options	03
Heat Outputs	04
Mounting Details	06
Water Content & Weights	08
n-Coefficients	09

Range Overview

Product Range

The Merriott Fascia radiator range comprises of single, double and triple flat panel radiators with grilles and side panels, in vertical and horizontal options. The horizontal ranges are available in heights from 300mm - 600mm and lengths from 400mm - 3000mm. The vertical ranges are available in 2 heights 1800mm and 1950mm and lengths from 300mm - 750mm.

Outputs

The outputs quoted in this brochure are based on a Delta T of 50 °C.

All Merriott Fascia radiators have been manufactured and tested in accordance with EN 442.

Finish

Every Merriott Fascia radiator undergoes an intensive pre-treatment process to protect against rust. In pre-treatment, the radiators are degreased, coated with iron phosphate and rinsed prior to painting. A cathodic electrodeposition primer coating is then applied to give total coverage of the bare steel and maximum corrosion protection. The durable topcoat (epoxy polyester powder) is electrostatically applied and stove enamel baked at 180 °C. The process is monitored to ensure continuous achievement of optimum adhesion, opacity and gloss levels.

Packaging

All Merriott radiators are packed in robust packaging specially designed to ensure that the product reaches you in perfect condition.

Testing

All Fascia radiators are tested to 10.5 Bar with a maximum working pressure of 8 Bar.

Brackets

As standard, Merriott supply Fascia radiators with strip brackets (as depicted).

Bracket Lugs

Two pairs of lugs are fitted on radiators up to and including 1600mm long. A third pair of lugs is fitted centrally on radiators that are 1800mm long and over.

Connections

Standard connections are 4 x 1/2" BSP (15mm) ABCD. All tapping-to-tapping dimensions can be obtained by subtracting 5mm from the nominal radiator length (accuracy = +/- 2mm).

Warranty

Merriott Radiators are guaranteed for a period of 10 years from date of purchase in respect of defective materials and workmanship. The system should be designed in accordance with British Standard Code of Practice for Water Based Heating Systems in Buildings **BS EN 12828:2012+A1:2014** and **BS EN 12831: 2003**. The installation and commissioning of the system should comply with **BS EN 14336:2004**. On completion of the installation, the system should be properly flushed and filled in accordance with the British Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems **BS 7593:2006**, Part L of Building Regulations and Good Practice Guidance for Scotland. Merriott strongly recommends the use of corrosion inhibitor for all applications. Failure to observe these standards may invalidate the manufacturer's warranty.

Range Options

Fascia



Fascia Grace




Heat Outputs

Fascia Radiators

Horizontal


Type 11 Type 21 Type 22 Type 33



Nominal	Length	Single Panel Single Fin	Double Panel Single Fin	Double Panel Double Fin	Triple Panel Triple Fin
Height	mm	Watts $\Delta T50$	Watts $\Delta T50$	Watts $\Delta T50$	Watts $\Delta T50$
300mm	600	317		562	788
	1000	529		937	1314
	1400	741		1312	1840
	2000	1058		1874	2628
400mm	400	272		479	666
	600	408		719	1000
	800	544		958	1333
	1000	680		1198	1666
	1200	816		1438	1999
	1400	952		1677	2332
	1600	1088		1917	2666
	1800	1224		2156	2999
500mm	400	329	445	578	798
	600	494	668	866	1198
	800	658	890	1155	1597
	1000	823	1113	1444	1996
	1200	988	1336	1733	2395
	1400	1152	1558	2022	2794
	1600	1317	1781	2310	3194
	1800	1481	2003	2599	3593
600mm	400	384	515	670	923
	600	577	773	1006	1384
	800	769	1030	1341	1846
	1000	961	1288	1676	2307
	1200	1153	1546	2011	2768
	1400	1345	1803	2346	3230
	1600	1538	2061	2682	3691
	1800	1730	2318	3017	4153
	2000	1922	2576	3352	4614
	2300	2210	2962	3855	5306
	2600	2499	3349	4358	5998
3000	2883	3864	5028	6921	

Vertical

Type 21 Type 22



Nominal	Length	Double Panel Single Fin	Double Panel Double Fin
Height	mm	Watts $\Delta T50$	Watts $\Delta T50$
1800mm	300	886	1046
	450	1329	1569
	600	1772	2092
	750	2215	2615
1950mm	300	936	1103
	450	1405	1654
	600	1873	2205
	750	2341	2756

All heat output are in accordance with BS EN 442 certification.

Heat Outputs

Fascia Grace Radiators

Type 11

Type 21

Type 22

Horizontal



Nominal	Length	Single Panel Single Fin	Double Panel Single Fin	Double Panel Double Fin
Height	mm	Watts $\Delta T50$	Watts $\Delta T50$	Watts $\Delta T50$
300mm	600	317		562
	1000	529		937
	1400	741		1312
	2000	1058		1874
400mm	400	272		479
	600	408		719
	800	544		958
	1000	680		1198
	1200	816		1438
	1400	952		1677
	1600	1088		1917
	2000	1360		2396
500mm	400	329		578
	600	494		866
	800	658		1155
	1000	823		1444
	1200	988		1733
	1400	1152		2022
	1600	1317		2310
	2000	1646		2888
600mm	400	384	515	670
	600	577	773	1006
	800	769	1030	1341
	1000	961	1288	1676
	1200	1153	1546	2011
	1400	1345	1803	2346
	1600	1538	2061	2682
	1800	1730	2318	3017
	2000	1922	2576	3352
	2300	2210		3855
	2600	2499		4358
	3000	2883		5028

Type 21

Type 22

Vertical



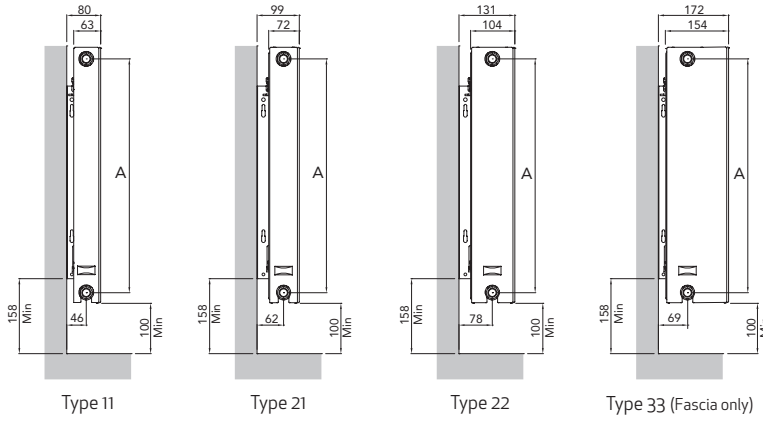
Nominal	Length	Double Panel Single Fin	Double Panel Double Fin
Height	mm	Watts $\Delta T50$	Watts $\Delta T50$
1800mm	300	886	1046
	450	1329	1569
	600	1772	2092
	750	2215	2615
1950mm	300	936	1103
	450	1405	1654
	600	1873	2205
	750	2341	2756

All heat output are in accordance with BS EN 442 certification.

Mounting Details

Fascia and Fascia Grace Horizontal Radiators

Mounting Positions and Dimensions



Top View

Type 11



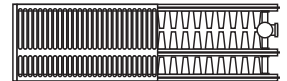
Type 21



Type 22

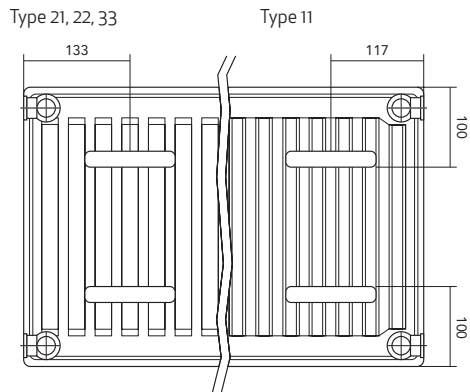


Type 33 (Fascia only)

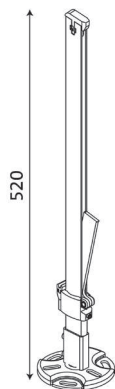


Nominal Height (mm)	A (mm)
300	250
400	350
500	450
600	550

Bracket Positions and Dimensions



Floor Brackets



Floor brackets for all types:

Radiator to wall distance: Any

Maximum load of a single bracket:

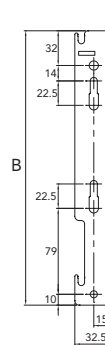
Vertically - 180kg

Pulling - 35kg

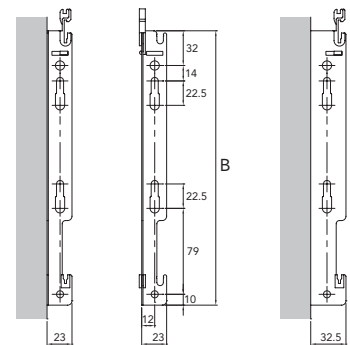
Order Code: RH033 (single piece)

Height 300 - 600mm	
Radiator length (mm)	Quantity of floor brackets
400 - 1800	2
2000 - 2400	3

Bracket for use on - Type 11 and 33



Bracket for use on - Type 21 and 22



Nominal Height (mm)	B (mm)
300	153
400	253
500	353
600	453

All measurements are nominal

Mounting Details

Fascia and Fascia Grace Vertical Radiators

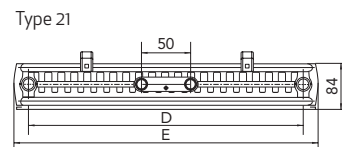
Mounting Positions and Dimensions



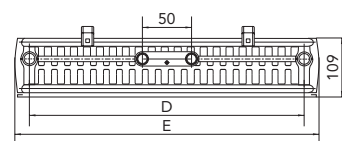
	Type	
	21	22
A (mm)	111	136
B (mm)	67	67
C (mm)	27	27

Length (mm)	D (mm)	E (mm)
300	244	320
450	394	470
600	544	620
750	694	770

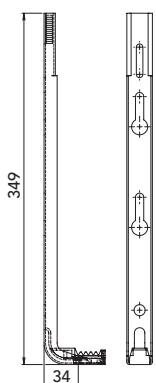
Top View



Type 22

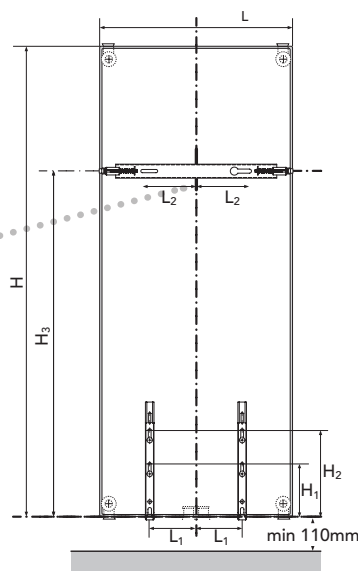
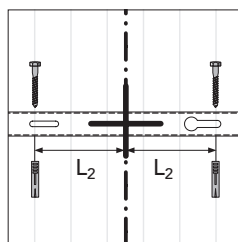


Bracket Positions and Dimensions



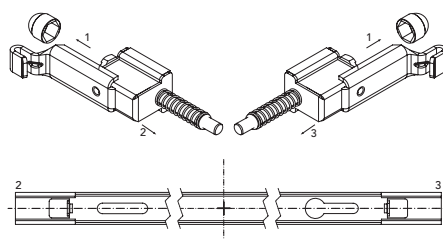
Bottom Bracket
Types 21 and 22

H = height
L = length
sizes in mm



Length L (mm)	L ₁ (mm)	L ₂ (mm)
300	75	50
450	100	125
600	175	200
750	250	275

Height H (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)
1800	150	250	1450
1950	150	250	1600



Top Bracket
Types 21 and 22

All measurements are nominal

Water Contents & Weights

Fascia and Fascia Grace Horizontal Radiators

Weights & Water Contents per Metre Length								
Type	Nominal Height (mm)							
	300		400		500		600	
	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)
11	11.70	1.50	16.10	2.20	20.50	2.90	24.80	3.40
21	-	-	-	-	23.70*	5.20*	33.70	6.10
22	19.10	3.20	25.10	4.20	31.50	5.20	38.00	6.10
33*	26.90	5.10	36.70	6.30	42.20	7.50	56.40	8.80

*Fascia only.

Fascia and Fascia Grace Vertical Radiators

Weights & Water Contents per Metre Length				
Type	Nominal Height (mm)			
	1800		1950	
	Weight (kg)	Water Content (l)	Weight (kg)	Water Content (l)
21	100.27	21.47	109.33	24.13
22	111.60	21.73	123.73	23.47

n-Coefficients

Fascia and Fascia Grace Horizontal Radiators

n-Coefficients				
Type	Nominal Height (mm)			
	300	400	500	600
11	1.2820	1.2824	1.2827	1.2831
21	-	-	1.2907*	1.2967
22	1.3000	1.3098	1.3197	1.3295
33*	1.3159	1.3245	1.3331	1.3417

*Fascia only.

Fascia and Fascia Grace Vertical Radiators

n-Coefficients		
Type	Nominal Height (mm)	
	1800	1950
21	1.3192	1.3231
22	1.3387	1.4255

Contact details

Merriott UK & Ireland

Purmo Group (UK) Ltd, Eastern Avenue, Team Valley,
Gateshead, Tyne & Wear, NE11 0PG
Tel: 0330 0415 472

sales@merriottuk.com
sales@merriott.ie

www.merriottuk.com / www.merriott.ie

Follow us on  @merriottuk and 

Merriott

COMMERCIAL HEATING SPECIALISTS