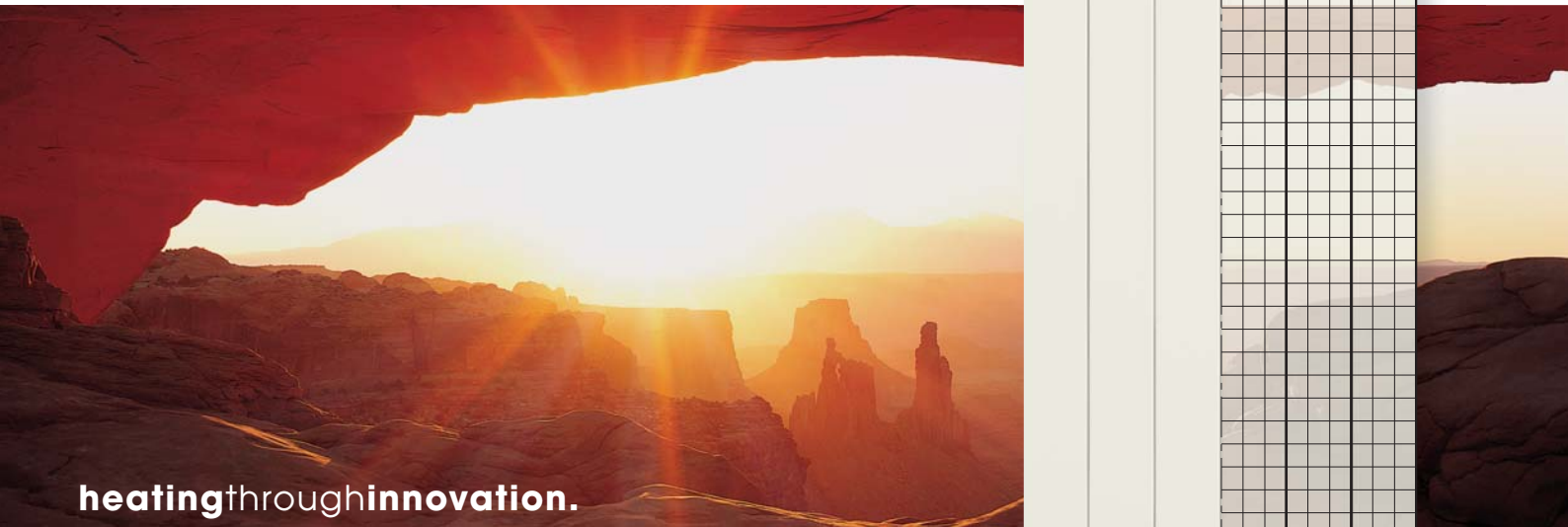


Decor VN Radiator Series Installation & Technical Guide

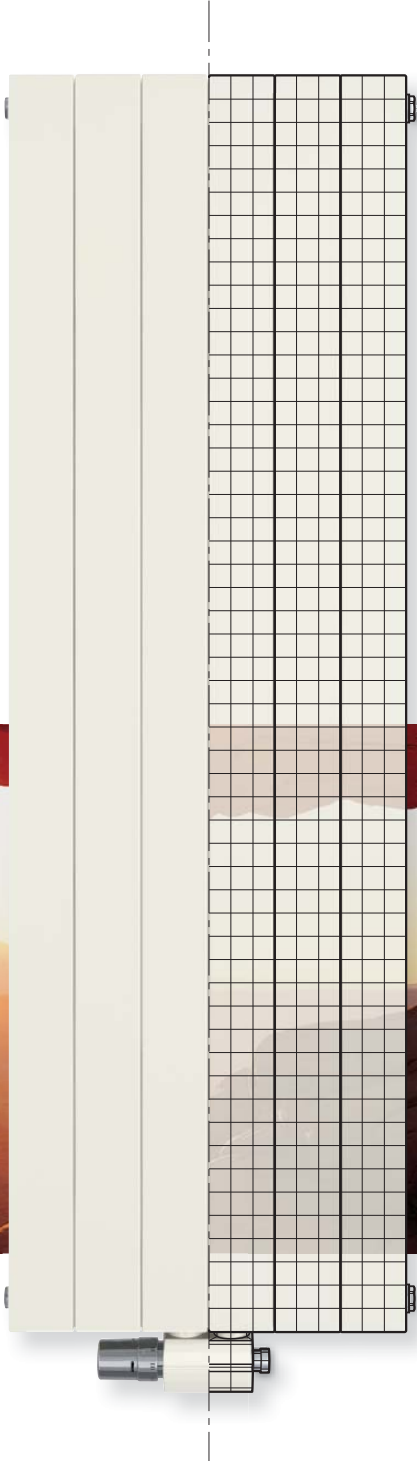


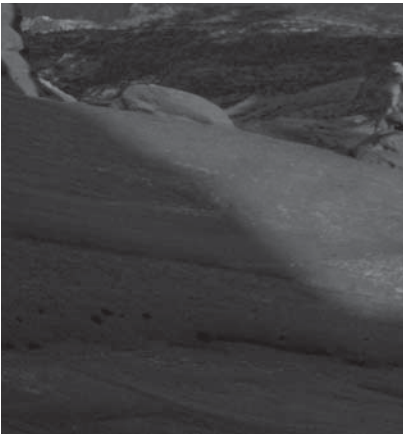
Revised 8/2013

Radiators



heating through innovation.





DECOR.

DECOR radiators stand for aesthetically sophisticated Design, combined with technologically perfect heating. They were conceived with all areas of installation and use in mind.

Contents

Product description	03
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Welded bracket positions	86
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Myson, Inc. Limited Warranty

Myson, Inc warrants the following products against defects in material and workmanship to the original owner for the duration listed from date of installation or three months after date of shipment, whichever comes first.

The remedy in all cases shall be to repair or replace the product at Myson's discretion upon verification of a factory defect. If replacement is required, and an exact replacement product is no longer available, Myson reserves the right to furnish a similar product of equal value.

NO REMOVAL, SHIPPING OR INSTALLATION EXPENSES ARE REIMBURSIBLE

The original purchaser is responsible for determining the suitability of the Myson product for their installation. Installation and troubleshooting should be performed by a competent technician with knowledge of hydronic heating and/or basic electricity.

Damages occurring during shipment, transit, storage or handling, abuse, neglect, accident, misapplication, incorrect power line voltage, improper water source or connection, fire, flood or other Acts of God are not covered. Freight damage claims MUST be made within 10 days of receipt from Myson. No Exceptions.

STEEL PANEL RADIATORS -- SELECT, T6, DÉCOR, COLUMN AND BENCH

The duration of warranty for steel panel radiators is 5 Years.

What is covered:

- Painted finishes will not peel or flake from the surface of the radiator
- The body of the radiator and its welded joints will not leak when the product is properly installed and maintained according to Myson's instructions.

What is not covered:

- Rust occurring from improperly sealed threaded connections or oxygen corrosion
- Electrolytic corrosion caused by failure to flush the system properly after initial installation

Radiators

DECOR convectors and horizontal heating panels are radiators in fully welded designs, with either 1 to 5 layers of steel rectangular water-flow pipes arranged one-behind-the-other (for convectors), or 1 or 2 such layers (for horizontal heating panels). In each layer, the convectors have between one and four pipes arranged one-above-the-other; the horizontal heating panels have from 2 to 11 pipes.

DECOR vertical heating panels consist of 1 or 2 layers of steel rectangular water flow pipes, arranged one-behind-the-other, with 6 to 10 steel pipes, arranged side-by-side.

A 5/62" space between the heating pipes guarantees additional resistance to corrosion. DECOR convectors and horizontal heating panels come with side panels and top covers; DECOR

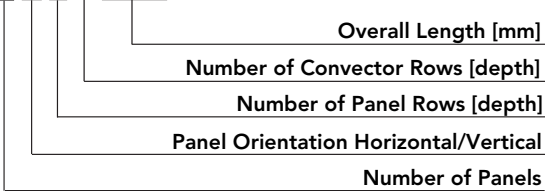
vertical heating panels come with side panels. DECOR heating panels are delivered with welded mounting brackets. (Except the 2H)

All DECOR convectors and heating panels are also delivered with factory-sealed drain plugs and pivotable vent plugs. (Exception: bottom-opposite-end connection models come with a dummy plug instead of the drain plug.)

Standard design: rectangular steel pipes, 2-3/4" x 7/16" x 16 ga.
High-pressure design: rectangular steel pipes, 2-3/4" x 7/16" x 14 ga.

PRODUCT DESCRIPTION

6H22090



Baseboard dimensions: 2H

Overall lengths: between 23-5/8 inches and 118-1/8 inches
 Overall height: 5-9/16 inches (2 panels)

Horizontal radiator dimensions: 3H - 11H

Overall lengths: between 23-5/8 inches and 94-1/2 inches
 Overall heights: between 8-7/16 inches (3 panels) and 31-1/8 inches (11 panels)

Vertical radiator dimensions: 5V - 10V

Overall lengths of: 14-1/8, 16-15/16, 22-5/8, and 28-1/4 inches
 Overall height: 78-3/4 inches

Coatings:

- Undercoat: electrophoretic, using water-soluble paints, conforming to DIN 55900 part 1, stoved at 329° F;
- Finish: electrostatic powder coating, conforming to DIN 55900 part 2, in a state-of-the-art facility. (On request, and at a supplementary charge, a range of RAL and sanitary ware colours can be offered.) This particularly robust coating is stoved at an object temperature of 356° F.

- Packaging:**
- Cardboard packaging
 - Edge protection
 - Shrink foil

Connections:
 2 x internal thread G 1/2" BSP, welded-in for supply and return. Vent and drain plugs (or dummy plug) are factory sealed and are fitted according to the customer's specifications.

72psi max. **Maximum positive operating pressure**
 Standard design: 72 psi

116psi max. **Maximum positive operating pressure:**
 High-pressure design Special Order (supplementary charge): 116 psi

max. **Maximum operating temperature: 230° F**

Quality certificates

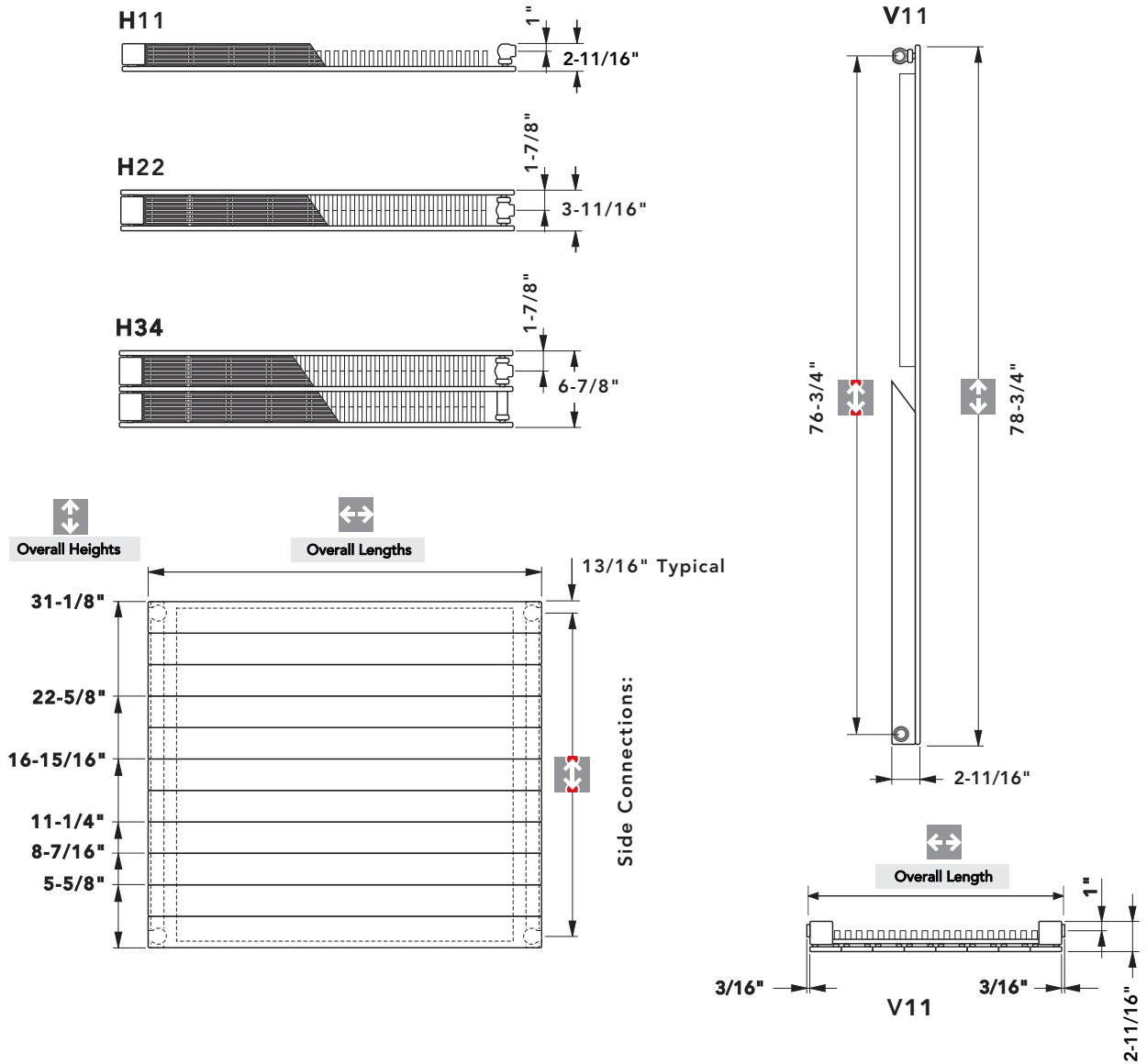
Strong brands of the highest quality

MYSON offers its customers strong brands that meet highest quality standards. All the production sites' production processes are certified according to ISO. The quality and performance specifications of the convectors and heating panels have been verified by recognised European institutions.

The standards that the quality certificates require us to maintain give you security, the best heating performance and premium product quality. For the MYSON warranty conditions, please refer to the table of contents page of this manual.



Horizontal & Vertical design, H & V models



Model Height		2H	3H	4H	6H	8H	11H
Overall height [in]	↕	5-5/8"	8-7/16"	11-1/4"	16-15/16"	22-5/8"	31-1/8"
Tapping spacing [in]	↕	4"	6-7/8"	9-9/16"	15-3/8"	21"	29-1/2"

Model Length	**060	**080	**090	**100	**120	**140	**160	**180	**200	**220	**240	**300	
Overall length	↔	23-5/8"	31-1/2"	35-7/16"	39-3/8"	47-1/4"	55-1/8"	63"	70-7/8"	78-3/4"	86-5/8"	94-1/2"	118-1/8"

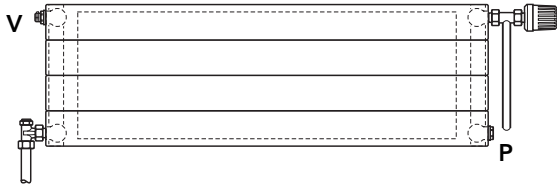
Vertical Model	5V11	6V11	8V11	10V11	
Overall length	↔	14-1/8"	16-15/16"	22-5/8"	28-1/4"

All Dimensions are nominal

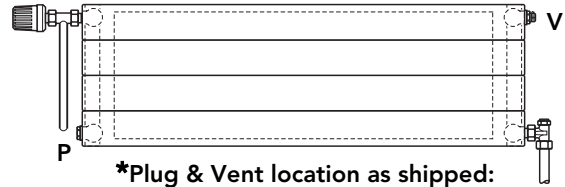
H and V models

Suitable for mono-flo, home run or 2-pipe systems

Top-bottom, opposite-end, side-connection, right-side supply

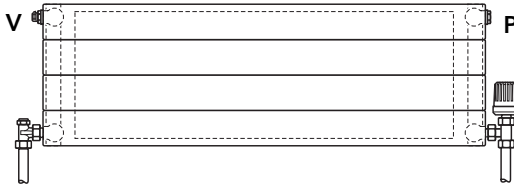


Top-bottom, opposite-end, side-connection, left-side supply*

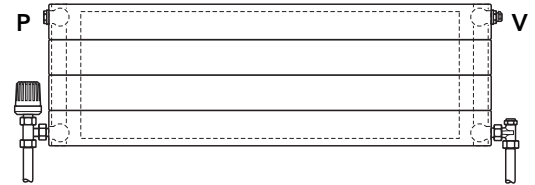


*Plug & Vent location as shipped:

Bottom-only, opposite-end, side-connection, right-side supply
Note: 5% reduced heat output



Bottom-only, opposite-end, side-connection, left-side supply
Note: 5% reduced heat output



- All installations require 2 valves per radiator
- All valves are **1/2" BSP thread** for connection **to the radiator** and **1/2" NPT thread** for connection **to the system** (also includes **compression nut and ferrule** for connection to 1/2" copper)
- Valves are available in 3 basic patterns: angle, straight, and inverted angle (TRV only)
- **Basic Installation:** use 2 – LKD16AN (angle) or LKD16SN (straight) manual valves, nickel plated with screwdriver stops and caps

- **Basic upgrade:** use 1 - FF16WAC and 1 - FF16LAC manual valves, angle only, chrome plated with white handles (FF16WAC is adjustable for balancing, FF16LAC is fixed open but can be closed for service)
- **TRV** (thermostatic radiator valves) are available for automatic temperature control of individual radiators: available in 3 body patterns, with or without thermostatic head (sensor), **use in conjunction with LKD or FF**



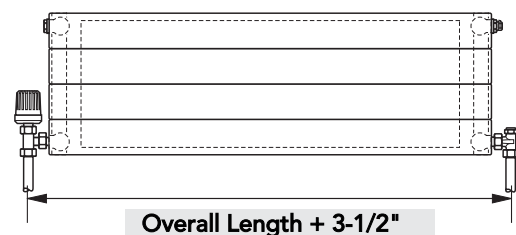
NOTE ! Rough-in information is given for Myson control valves. Valve specifications vary by manufacturer. Myson will not be responsible for damage or repair of property when non-Myson valves are used.

Rough-in dimension shown at right is for a TRV and a LKD valve or a pair of LKD valves. When using FF valves add 3-5/8" to overall length.

Recommendation:

Radiator tappings and valve spuds are 1/2" BSP. Professional expertise is required when sealing these "straight" threads. Failure to properly seal the connections will result in leaks resulting in property damage.

NOTE ! Myson is not responsible for damage resulting from improper workmanship.



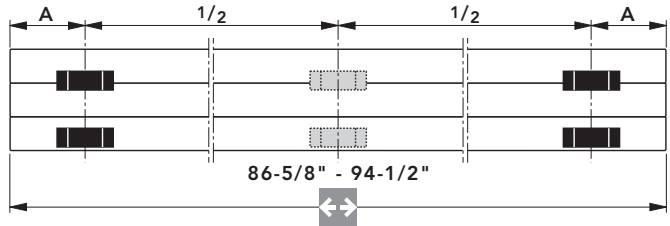
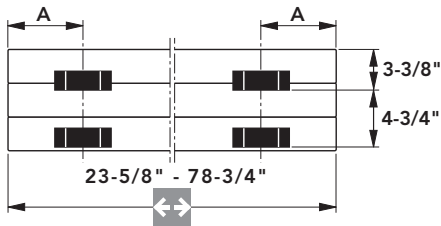
H models

H11/H22 L-BRACKET 300

Overall height



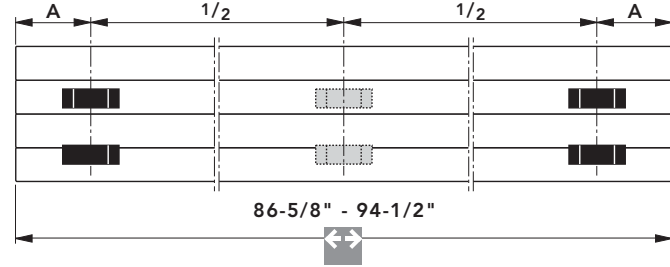
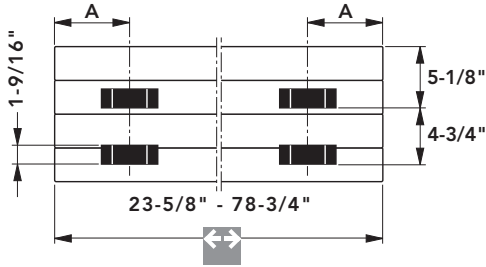
8-7/16"



Overall height



11-1/4"



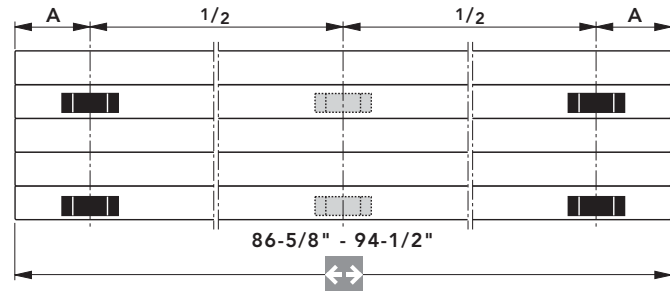
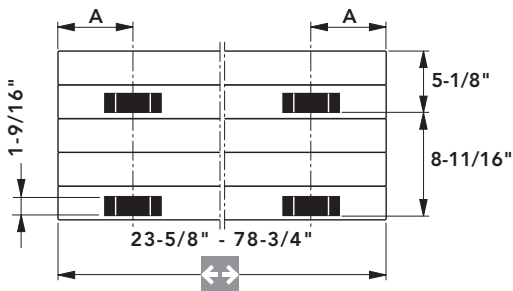
A = 6-5/16"

H11/H22 L-BRACKET 400

Overall height



16-15/16"

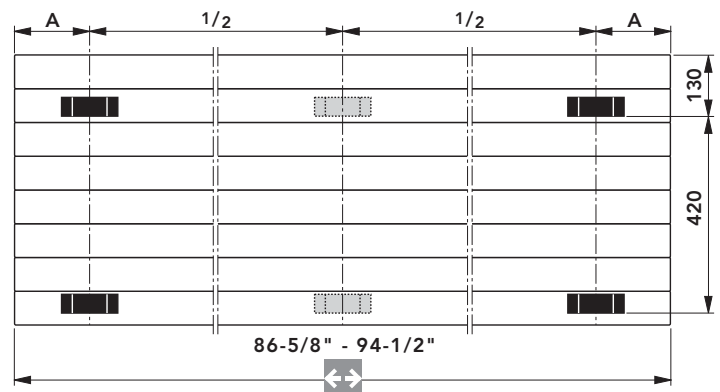
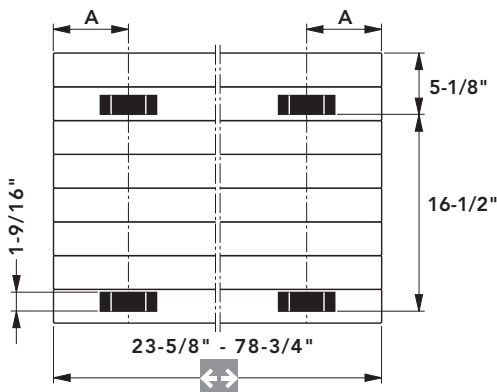


H11/H22 L-BRACKET 600

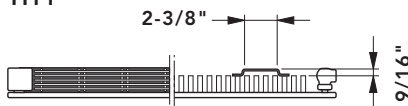
Overall height



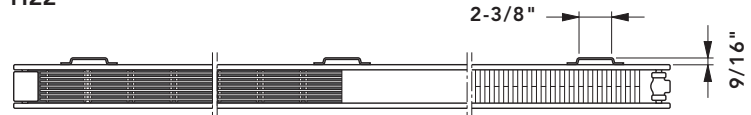
from 22-5/8" to 31-1/8"



H11



H22

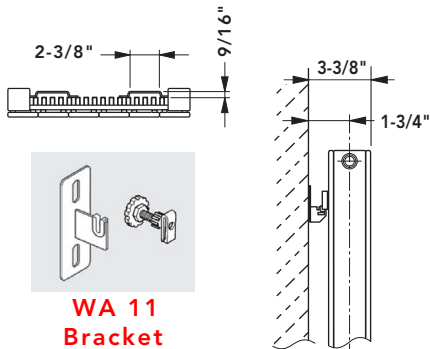
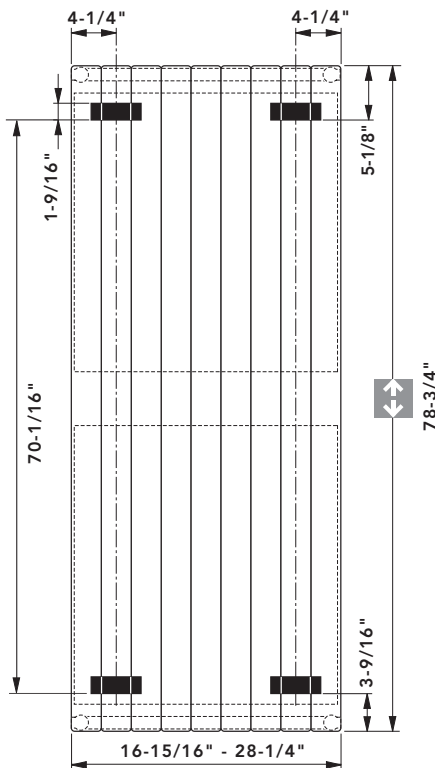


V11 H11 H22 models

Model

V11 **WA11-BRACKET**

H11/H22 **L-BRACKET**

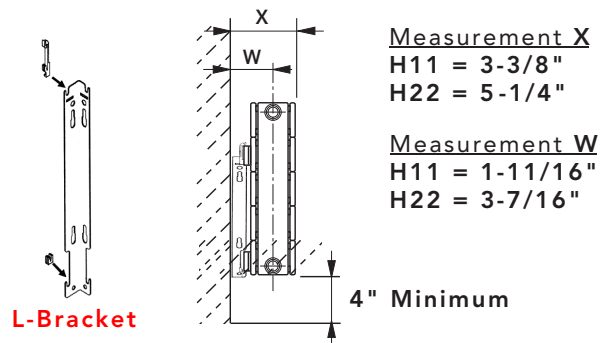


WA 11 Bracket

PLEASE NOTE: The brackets provided are only intended for installation on walls made of solid wood, bricks, concrete or on timber-frame stud walls where the fixing is into the timber. For walls made of other materials, for example hollow bricks, please consult your installer and/or specialist supplier. **ONCE AGAIN, IF YOU ARE UNSURE, IT IS STRONGLY RECOMMENDED THAT A SUITABLY QUALIFIED PROFESSIONAL INSTALLER OR SIMILAR TRADESPERSON CARRIES OUT THE INSTALLATION.**

Note: For H11 and H22 models with an overall length of 86-5/8" and greater **3** brackets are required.

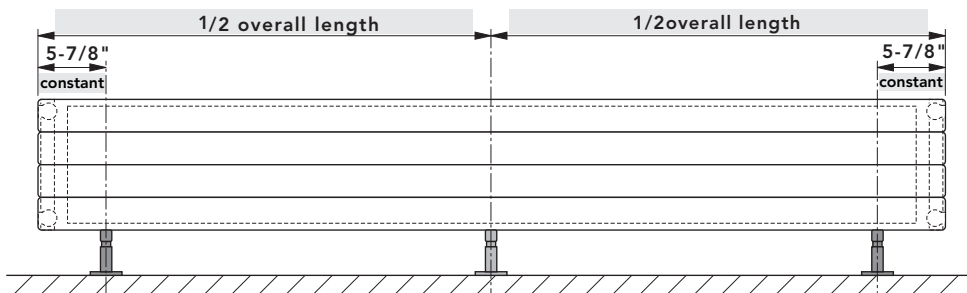
Note: The L-Bracket is not for use with 2H11 model. please refer to page 08 for 2H11 mounting details.



L-Bracket

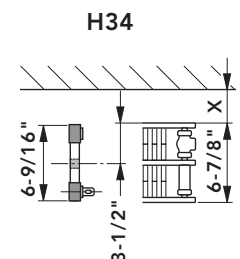
Note: For more detailed L-bracket installation dimensions and mounting positions please consult the Assembly Instructions included with the mounting brackets.

H34 pedestal model Floor Stand KOMFOOT-1: positioning



Note: For an overall length of 86-5/8" and greater, a 3rd stand console must be used!

KOMFOOT-1



Measurement X: chosen distance between the wall or window surface and the back of the convector.

Heating output as calculated using an AWT shown and EAT of 70° F

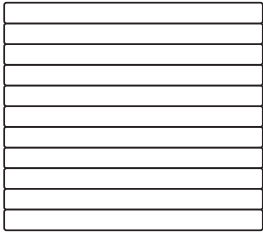
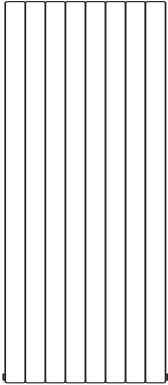





Model	2H11					3H11				
Overall depth 2-11/16"										
Overall height	5-5/8"					8-7/16"				
Overall length	Output [btuh]			Water content gals.	Weight lbs.	Output [btuh]			Water content gals.	Weight lbs.
	180° F	160° F	140° F			180° F	160° F	140° F		
23-5/8"	1235	963	691	.26	691	1558	1216	873	.26	691
35-7/16"	1852	1445	1037	.39		2343	1828	1312	.39	
47-1/4"	2469	1926	1383	.52		3122	2436	1749	.52	
55-1/8"	2881	2247	1613	.61		—	—	—	—	—
63"	3292	2568	1844	.70		4160	3244	2329	.70	
70-7/8"	3704	2889	2074	.78		4681	3651	2621	.78	
86-5/8"	4527	3531	2535	.95		5724	4464	3205	.95	
94-1/2"	4938	3852	2765	1.04		6245	4871	3497	1.04	
118-1/8"	6173	4815	3457	1.30		—	—	—	—	—

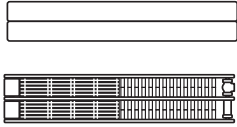
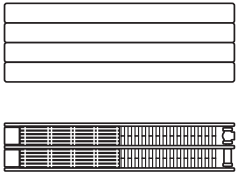



Model	4H11					6H11				
Overall depth 2-11/16"										
Overall height	11-1/4"					16-15/16"				
Overall length	Output [btuh]			Water content gals.	Weight lbs.	Output [btuh]			Water content gals.	Weight lbs.
	180° F	160° F	140° F			180° F	160° F	140° F		
23-5/8"	1940	1513	1086	.36	691	2887	2252	1617	.52	691
31-1/2"	—	—	—	—	—	3849	3002	2155	.69	
35-7/16"	2909	2269	1629	.53		—	—	—	—	—
39-3/8"	—	—	—	—	—	4811	3753	2694	.87	
47-1/4"	3879	3026	2172	.71		—	—	—	—	—
55-1/8"	—	—	—	—	—	6736	5254	3772	1.22	
63"	5174	4036	2898	.95		—	—	—	—	—
70-7/8"	5825	4543	3262	1.06		8660	6755	4850	1.56	
86-5/8"	7144	5549	3984	1.30		—	—	—	—	—
94-1/2"	7764	6056	4348	1.42		—	—	—	—	—

Heating output as calculated using an AWT shown and EAT of 70° F

Model	8H11					11H11				
Overall depth 2-11/16"										
Overall height	22-5/8"					31-1/8"				
Overall length	Output [btuh]			Water content gals.	Weight lbs.	Output [btuh]			Water content gals.	Weight lbs.
	180° F	160° F	140° F			180° F	160° F	140° F		
23-5/8"	3501	2731	1960	.71	691	4147	3274	2350	.97	691
31-1/2"	4665	3639	2613	.95		5596	4365	3134	1.29	
39-3/8"	5830	4548	3265	1.18		6995	5456	3917	1.62	
55-1/8"	8160	6365	4570	1.66		9793	7639	5484	2.26	
70-7/8"	10496	8187	5878	2.13		12591	9821	7051	2.91	
Model	6H22					8H22				
Overall depth 2-11/16"										
Overall height	16-15/16"					22-5/8"				
Overall length	Output [btuh]			Water content gals.	Weight lbs.	Output [btuh]			Water content gals.	Weight lbs.
	180° F	160° F	140° F			180° F	160° F	140° F		
23-5/8"	5394	4207	3021	1.06	691	6391	4985	3579	1.42	691
31-1/2"	7187	5606	4025	1.42		8526	6650	4744	1.89	
39-3/8"	8988	7010	5033	1.77		10654	8310	5966	2.36	
55-1/8"	12581	9813	7045	2.48		14917	11635	8353	3.31	
70-7/8"	16175	12616	9058	3.19		19180	14960	10741	4.25	

Heating output as calculated using an AWT shown and EAT of 70° F

Model	11H22					Model	V11																																																																					
																																																																												
 Overall depth	3-11/16"					 Overall depth	2-11/16"																																																																					
 Overall height	31-1/8"					 Overall height	78-3/4"																																																																					
 Overall length	<table border="1"> <thead> <tr> <th>Output [btuh]</th> <th>Water content gals.</th> <th>Weight lbs.</th> </tr> <tr> <th>180° F</th> <th>160° F</th> <th>140° F</th> </tr> </thead> <tbody> <tr> <td>23-5/8"</td> <td>7575</td> <td>5909</td> <td>4242</td> <td>1.94</td> <td>691</td> </tr> <tr> <td>31-1/2"</td> <td>10098</td> <td>7877</td> <td>5655</td> <td>2.58</td> <td></td> </tr> <tr> <td>39-5/8"</td> <td>12621</td> <td>9845</td> <td>7068</td> <td>3.25</td> <td></td> </tr> <tr> <td>55-1/8"</td> <td>17667</td> <td>13780</td> <td>9894</td> <td>4.52</td> <td></td> </tr> <tr> <td>70-7/8"</td> <td>22720</td> <td>17721</td> <td>12723</td> <td>5.81</td> <td></td> </tr> </tbody> </table>					Output [btuh]	Water content gals.	Weight lbs.	180° F	160° F	140° F	23-5/8"	7575	5909	4242	1.94	691	31-1/2"	10098	7877	5655	2.58		39-5/8"	12621	9845	7068	3.25		55-1/8"	17667	13780	9894	4.52		70-7/8"	22720	17721	12723	5.81		<table border="1"> <thead> <tr> <th>Output [btuh]</th> <th>Water content gals.</th> <th>Weight lbs.</th> </tr> <tr> <th>180° F</th> <th>160° F</th> <th>140° F</th> </tr> </thead> <tbody> <tr> <td>14-1/8"</td> <td>4719</td> <td>3681</td> <td>2643</td> <td>1.32</td> <td>691</td> </tr> <tr> <td>16-15/16"</td> <td>5671</td> <td>4424</td> <td>3176</td> <td>1.58</td> <td></td> </tr> <tr> <td>22-5/8"</td> <td>7565</td> <td>5901</td> <td>4237</td> <td>2.11</td> <td></td> </tr> <tr> <td>28-1/4"</td> <td>9459</td> <td>7378</td> <td>5298</td> <td>2.63</td> <td></td> </tr> </tbody> </table>					Output [btuh]	Water content gals.	Weight lbs.	180° F	160° F	140° F	14-1/8"	4719	3681	2643	1.32	691	16-15/16"	5671	4424	3176	1.58		22-5/8"	7565	5901	4237	2.11		28-1/4"	9459	7378	5298	2.63	
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Model	2H34					4H34																																																												
																																																																		
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Note: H28 Pedestal models require KOMFOOT-1 feet for installation.



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