

INTEGRAL VERTICAL



Datasheet

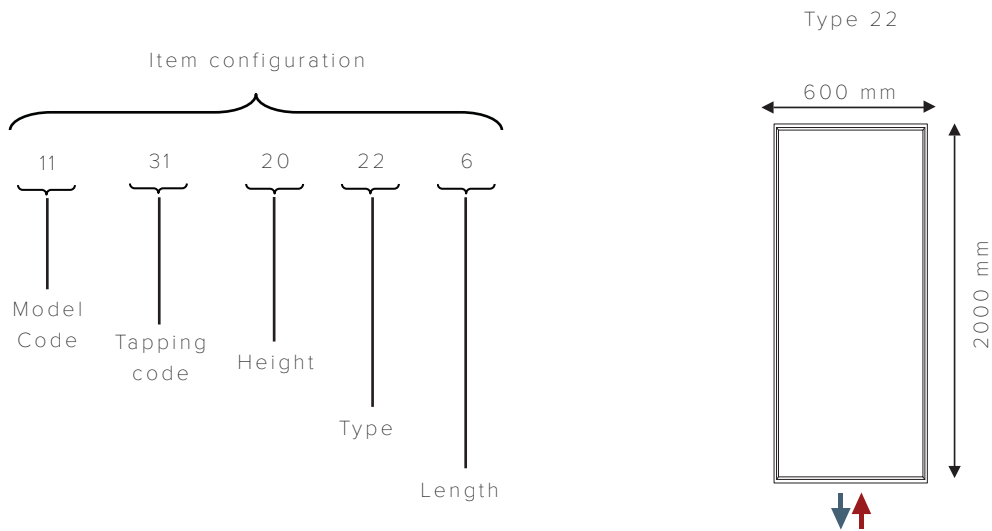
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SPECIFICATION

HOW TO SPECIFY AN ITEM

Item number example 113120226



Note

Thermostat sensor head is not included in the product - should be ordered separately.
 If no orientation is specified, products will be delivered as a RIGHT version.

DESCRIPTION

Hudevad Integral Vertical is a very robust radiator which fits into any environment. A stylish and timeless design with a flat front and rounded corners complying with today's heating design demands. The Integral has been a bestseller in Scandinavia for decades. The flat front and the flushed sides make the radiator very easy to clean and highly durable.

| | |
|-----------------------------------|--|
| Material | Radiator panels: 1.20 mm steel according to EN10051 Heating element: steel panel according to EN442 |
| Test pressure | 13 bar |
| Max. operating pressure | 10 bar - in accordance with EN 442 |
| Max. operating temperature | 110°C |
| Warranty | 10 years |
| Surface treatment | Pre-treatment by degreasing and steel phosphating. Powder coated in accordance with DIN 55900, EN 442. On the emitter the powder coating is preceded by primer coating. |
| Type | 11, 20, 21 and 22 |
| Height | 1600, 1800 and 2000 mm |
| Width | 300, 400, 500, 600 and 700 mm |
| Depth | 49, 78 and 101 mm |
| Connections | All connections 1/2" standard (adapters available) |
| Installation | Hudevad J brackets, air vent, blind plug, screws and rawl plugs are included. |
| Mounting straps | No mounting straps |
| Colour | Powder coated in white RAL 9016, gloss 70 Option: Painted in other colours. Please see the Hudevad Radiator Design Colour Brochure at www.hudevad.com |

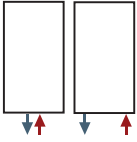
TAPPING OVERVIEW

| Tapping code | Tapping type | Tapping possibilities |
|--------------|-------------------------------|-----------------------|
| 31 | Bottom tappings Flow right | |
| 32 | Bottom tappings Flow left | |
| 33 | Top tappings Flow right | |
| 34 | Top tappings Flow left | |

TAPPING OVERVIEW

TAPPING CODE 31 - Bottom tapping, flow RIGHT

Drawing 5.1

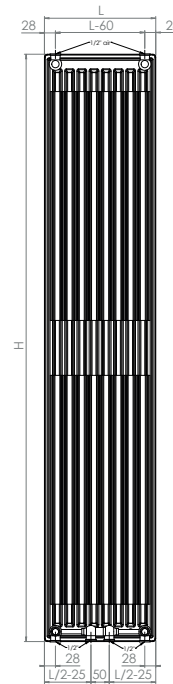


View from the front

| L, mm | H, mm |
|-------|-------------|
| 300 | |
| 400 | 1600, 1800 |
| 500 | and 2000 mm |
| 600 | |
| 700 | |

Note

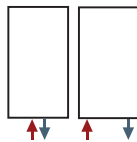
Type 11 is not possible in this tapping configuration



View from the back

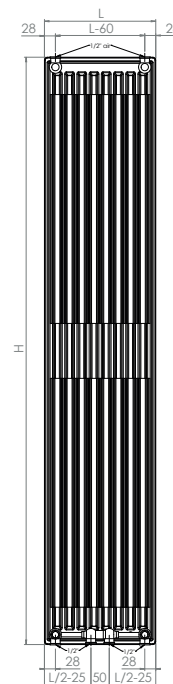
TAPPING CODE 32 - Bottom tapping, flow LEFT

Drawing 5.2



View from the front

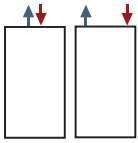
| L, mm | H, mm |
|-------|-------------|
| 300 | |
| 400 | 1600, 1800 |
| 500 | and 2000 mm |
| 600 | |
| 700 | |



View from the back

TAPPING CODE 33 - Top tapping, flow RIGHT

Drawing 6.1

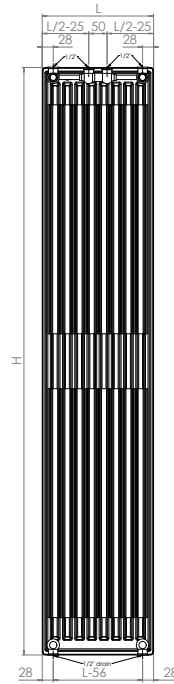


View from the front

| L, mm | H, mm |
|-------|-------------|
| 300 | |
| 400 | 1600, 1800 |
| 500 | and 2000 mm |
| 600 | |
| 700 | |

Note

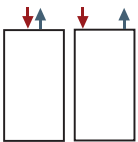
Type 11 is not possible in this tapping configuration



View from the back

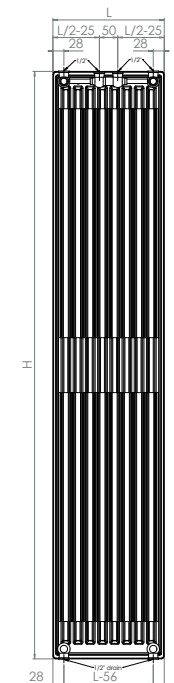
TAPPING CODE 34 - Top tapping, flow LEFT

Drawing 6.2



View from the front

| L, mm | H, mm |
|-------|-------------|
| 300 | |
| 400 | 1600, 1800 |
| 500 | and 2000 mm |
| 600 | |
| 700 | |



View from the back

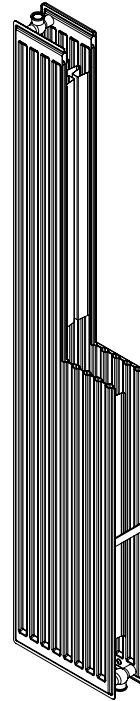
ILLUSTRATIONS

VIEW FROM THE FRONT



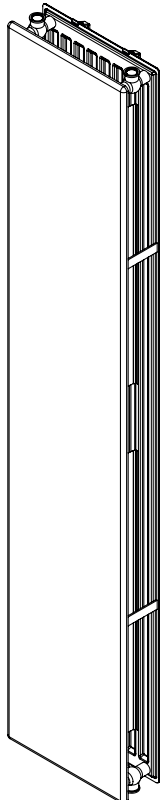
Drawing 7.1

VIEW FROM THE BACK



Drawing 7.2

WALL MOUNTED



Drawing 7.3

HUDEVAD
RADIATOR DESIGN

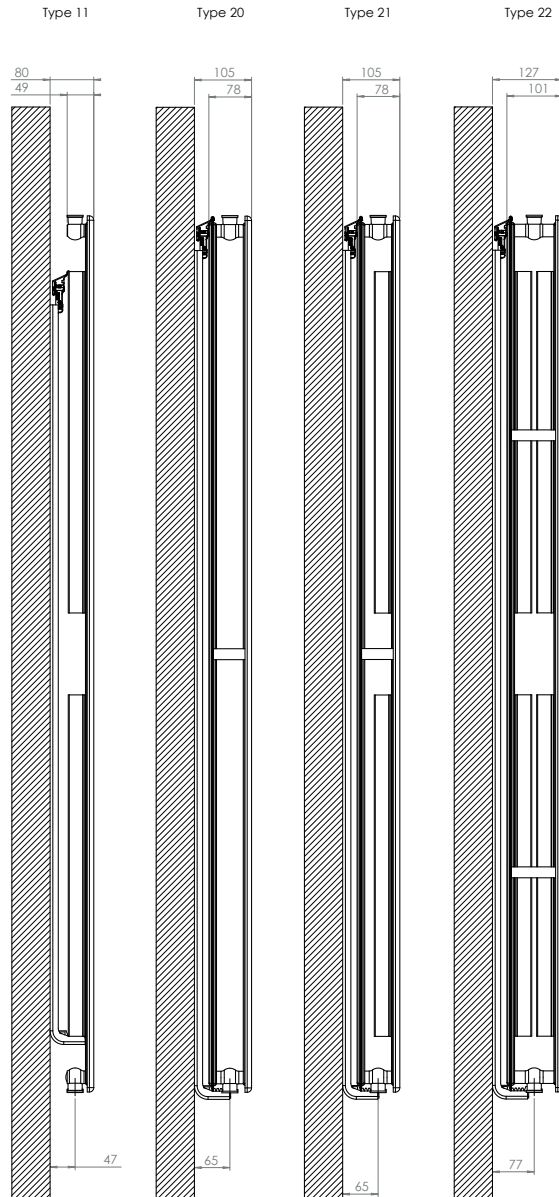
DIMENSIONS

ALL TAPPING CODES

All types are delivered without mounting straps.

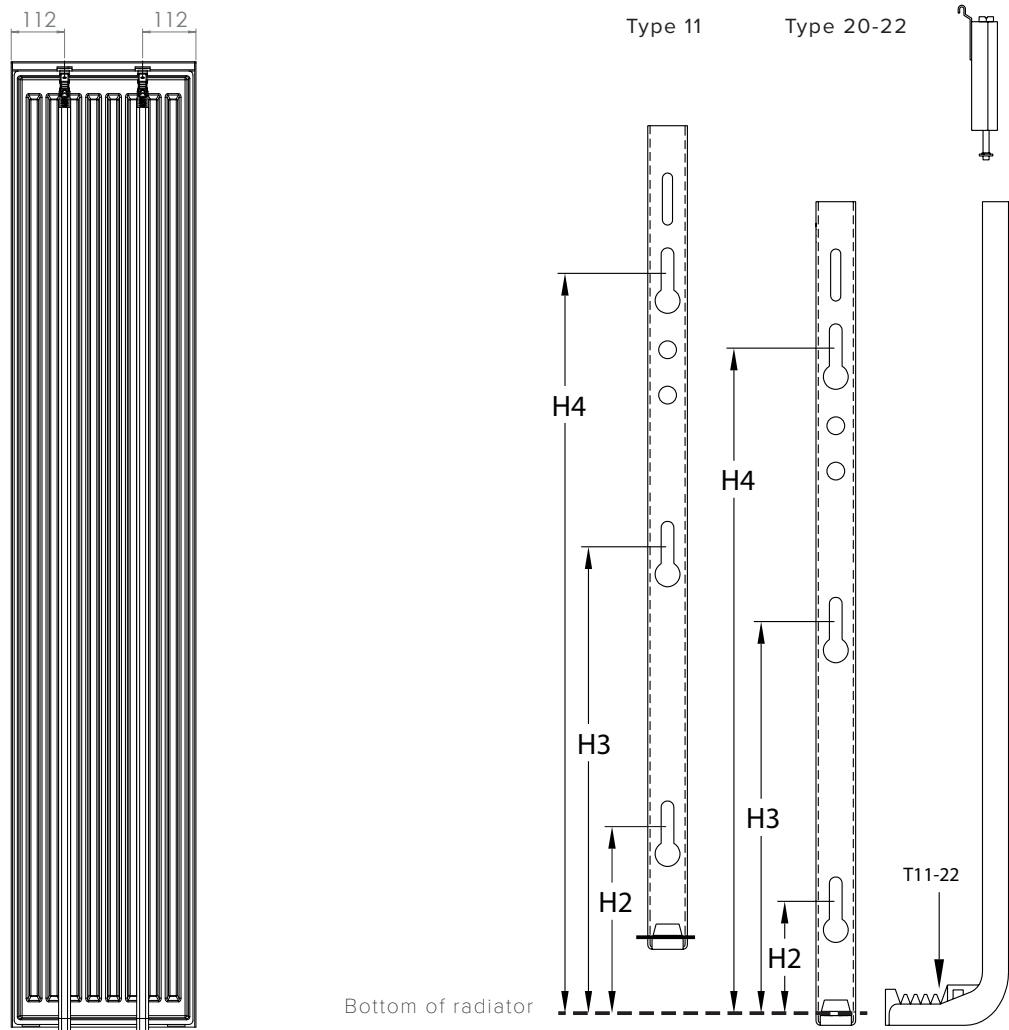
For type 11, metal adaptors that act as mounting straps must be mounted on the convector during installation.

Drawing 8.1



**LOCATION OF J BRACKETS
ALL TAPPINGS CODES AND TYPES**

Drawing 9.1



**Height
in
mm**

Type 11

Type 20-22

| | H2 | H3 | H4 | H2 | H3 | H4 |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1600 | 160 | 730 | 1300 | 70 | 740 | 1410 |
| 1800 | 160 | 830 | 1500 | 70 | 840 | 1610 |
| 2000 | 160 | 930 | 1700 | 70 | 940 | 1810 |

OUTPUT

TAPPING CODE 31 - 34

INTEGRAL T11 VERTICAL

| Height, mm | Output | | | Water content | Weight |
|------------|------------------------|------------------------|------------------------|------------------|--------------|
| | W/metre 75°/65°/20° | W/metre 70°/40°/20° | W/metre 60°/30°/20° | litres/ metre | kg/ metre |
| 1600 | 1959 | 1230 | 792 | 7.2 | 56.1 |
| 1800 | 2133 | 1342 | 866 | 8.1 | 63 |
| 2000 | 2298 | 1446 | 936 | 9,0 | 69.6 |

INTEGRAL T20 VERTICAL

| Height, mm | Output | | | Water content | Weight |
|------------|------------------------|------------------------|------------------------|------------------|--------------|
| | W/metre 75°/65°/20° | W/metre 70°/40°/20° | W/metre 60°/30°/20° | litres/ metre | kg/ metre |
| 1600 | 2310 | 1468 | 658 | 14.1 | 77.7 |
| 1800 | 2532 | 1608 | 1050 | 16.2 | 86.7 |
| 2000 | 2748 | 1746 | 1138 | 18.3 | 95.4 |

INTEGRAL T21 VERTICAL

| Height, mm | Output | | | Water content | Weight |
|------------|------------------------|------------------------|------------------------|------------------|--------------|
| | W/metre 75°/65°/20° | W/metre 70°/40°/20° | W/metre 60°/30°/20° | litres/ metre | kg/ metre |
| 1600 | 2808 | 1762 | 1134 | 14.1 | 85.8 |
| 1800 | 3060 | 1922 | 1240 | 15.9 | 96 |
| 2000 | 3270 | 2056 | 1328 | 17.7 | 106.2 |

INTEGRAL T22 VERTICAL

| Height, mm | Output | | | Water content | Weight |
|------------|------------------------|------------------------|------------------------|------------------|--------------|
| | W/metre 75°/65°/20° | W/metre 70°/40°/20° | W/metre 60°/30°/20° | litres/ metre | kg/ metre |
| 1600 | 3420 | 2134 | 1368 | 14.1 | 94.2 |
| 1800 | 3690 | 2300 | 1472 | 15.9 | 105.3 |
| 2000 | 3960 | 2466 | 1578 | 17.7 | 116.4 |

ACCESSORIES

DANFOSS ACCESSORIES



Drawing 11.11

Hudevad recommends use of Danfoss accessories when fitting the radiator. For further accessories please refer to the Hudevad Pricelist.

AVAILABILITY MATRIX

TAPPING CODE 31 - BOTTOM TAPPINGS, FLOW RIGHT

| | H1600 mm/ | | | | H1800 mm/ | | | | H2000 mm/ | | | |
|------------|-----------|----|----|----|-----------|----|----|----|-----------|----|----|----|
| Lght./Type | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 |
| 300 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 400 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 500 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 600 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 700 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 900 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |

TAPPING CODE 32 - BOTTOM TAPPINGS, FLOW LEFT

| | H1600 mm/ | | | | H1800 mm/ | | | | H2000 mm/ | | | |
|------------|-----------|----|----|----|-----------|----|----|----|-----------|----|----|----|
| Lght./Type | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 |
| 300 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 400 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 500 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 600 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 700 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 900 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

TAPPING CODE 33 - TOP TAPPINGS, FLOW RIGHT

H1600 mm/

H1800 mm/

H2000 mm/

| Lght./Type | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|
| 300 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 400 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 500 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 600 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 700 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |
| 900 | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● |

TAPPING CODE 34 - TOP TAPPINGS, FLOW LEFT

H1600 mm/

H1800 mm/

H2000 mm/

| Lght./Type | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 | 11 | 20 | 21 | 22 |
|------------|----|----|----|----|----|----|----|----|----|----|----|----|
| 300 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 400 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 500 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 600 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 700 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 900 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |