

## VRV Weather protection

### VRV IV heat pump and heat recovery



VRV IV 8-12HP  
VRV IV 14-20HP

The weather protection protects the outdoor unit against external influences by wind, snow and hail.

It prevents that during cooling at very low outdoor temperatures the high pressure drops in the system and that during heating at low outdoor temperatures the unit's heat exchanger freezes up quickly by falling snow or rain. This also means that defrost is needed less often and it is shorter.

The weather protection is mandatory for technical cooling use.

The following conditions must be respected

- \* The outdoor unit must be installed high enough (at least corresponding to the expected snowdepth)
- \* Required maintenance clearance at least 90 cm

The snowhoods are local supply, these drawings will enable you to construct snowhood covers for VRV IV units locally.

This interactive PDF contains the Snowhood drawings for the following models:

- \* VRV IV 8-12 HP
- \* VRV IV 14-20 HP

The drawings will enable you to supply snowhood covers for VRV IV units locally.

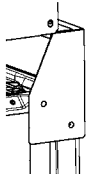
By using the buttons you can consult various snowhood drawings. A button is recognizable by its blue color.



In the bottomleft corner, it's possible to return to the overviewpage by clicking the home button.

# VRV IV 8-12HP

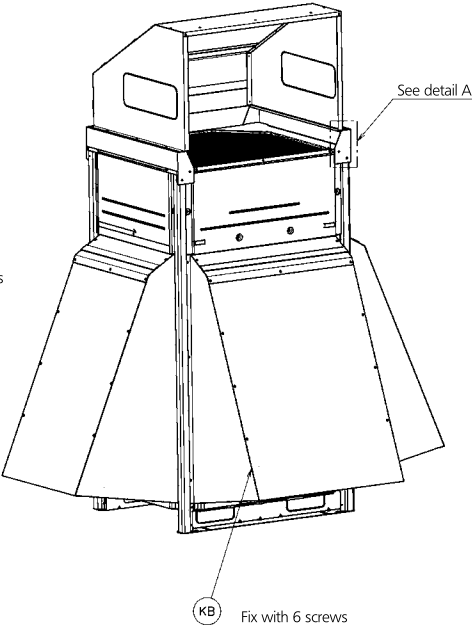
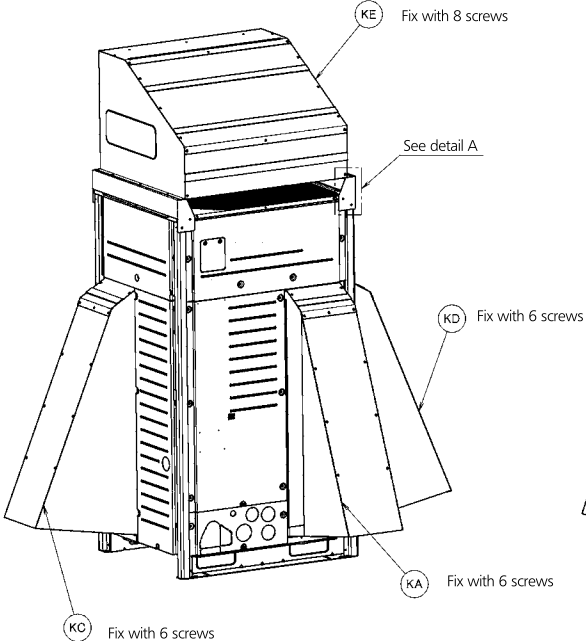
## Snowhood overview



Positioning with dimples drill 2 holes  $\varnothing$  4.3  
(Same for 4 positions)

(KA)	Snow hood (Assy front)	3P340306
(KB)	Snow hood (Assy rear)	3P340298
(KC)	Snow hood (Assy left)	3P340307
(KD)	Snow hood (Assy right)	3P340305
(KE)	Snow hood (Assy)	3P340290

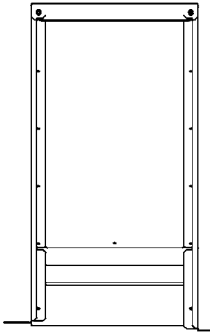
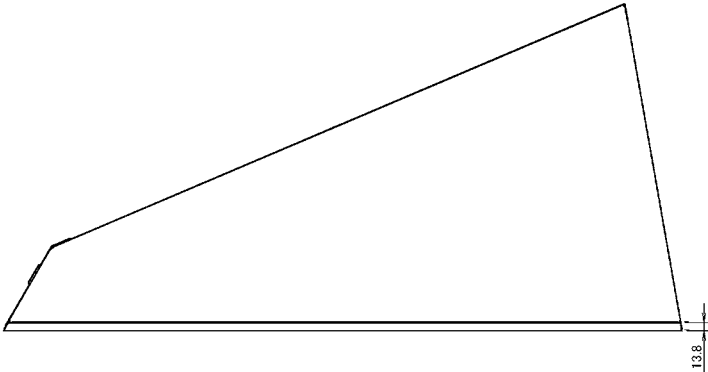
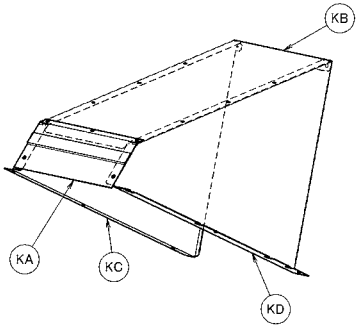
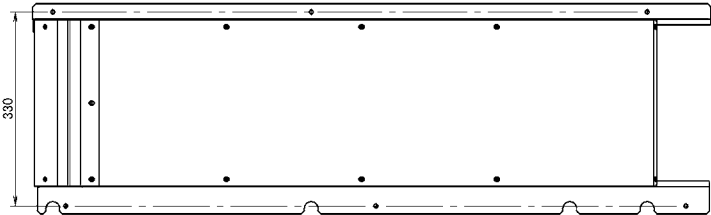
### Detail A



# VRV IV 8-12HP

## Snowhood front assy

(KA)	Snow hood (Top 1)	3P340299
(KB)	Snow hood (Top 2)	3P340300
(KC)	Snow hood (Right)	3P340302
(KD)	Snow hood (Left)	3P340303

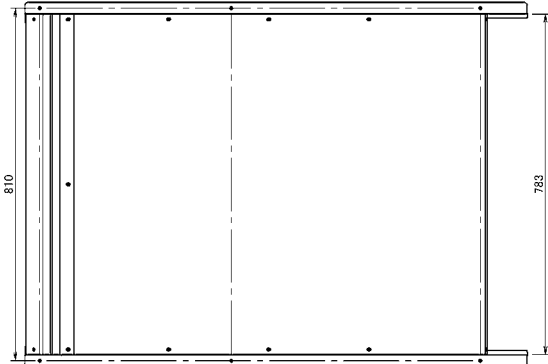


Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

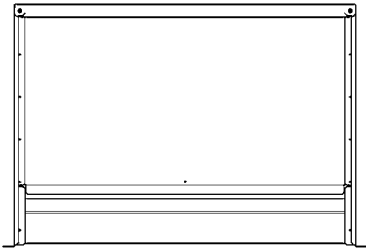
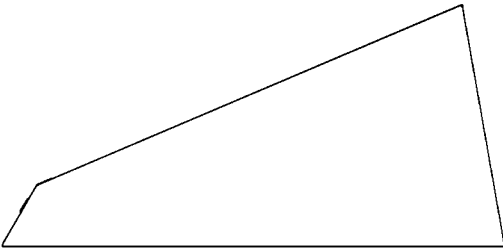
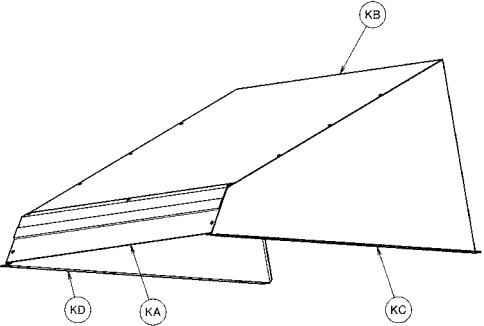
Note:  
Screw parts together with M5 class 3 self tapping screws  
(13 screws needed)

# VRV IV 8-12HP

## Snowhood rear assy



(KA)	Snow hood (Top 1)	3P340299
(KB)	Snow hood (Top 2)	3P340300
(KC)	Snow hood (Left)	3P340301
(KD)	Snow hood (Right)	3P340302

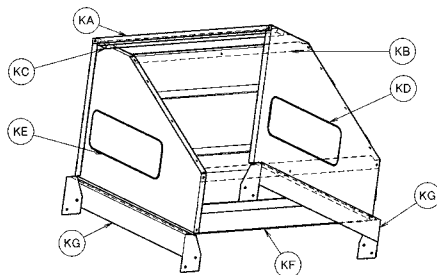
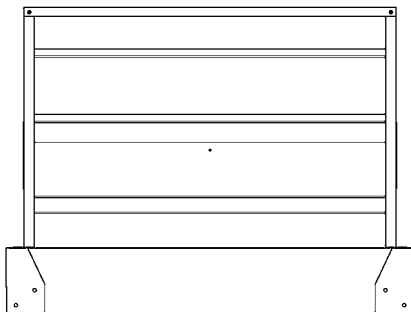
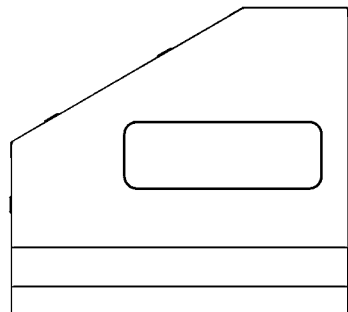
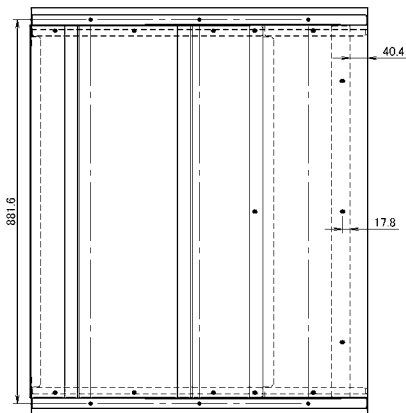


Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Note:  
Screw parts together with M5 class 3 self tapping screws  
(13 screws needed)

# VRV IV 8-12HP

## Snowhood top assy



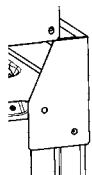
(KA)	Snow hood (Top plate 1)	3P340291
(KB)	Snow hood (Top plate 2)	3P340292
(KC)	Snow hood (Top plate 3)	3P340293
(KD)	Snow hood (Left plate)	3P340294
(KE)	Snow hood (Right plate)	3P340295
(KF)	Snow hood (Rear plate)	3P340296
(KG)	Snow hood (Stay)	3P340297

Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Note:  
Screw parts together with M5 class 3 self tapping screws  
(27 screws needed)

# VRV IV 14-20HP

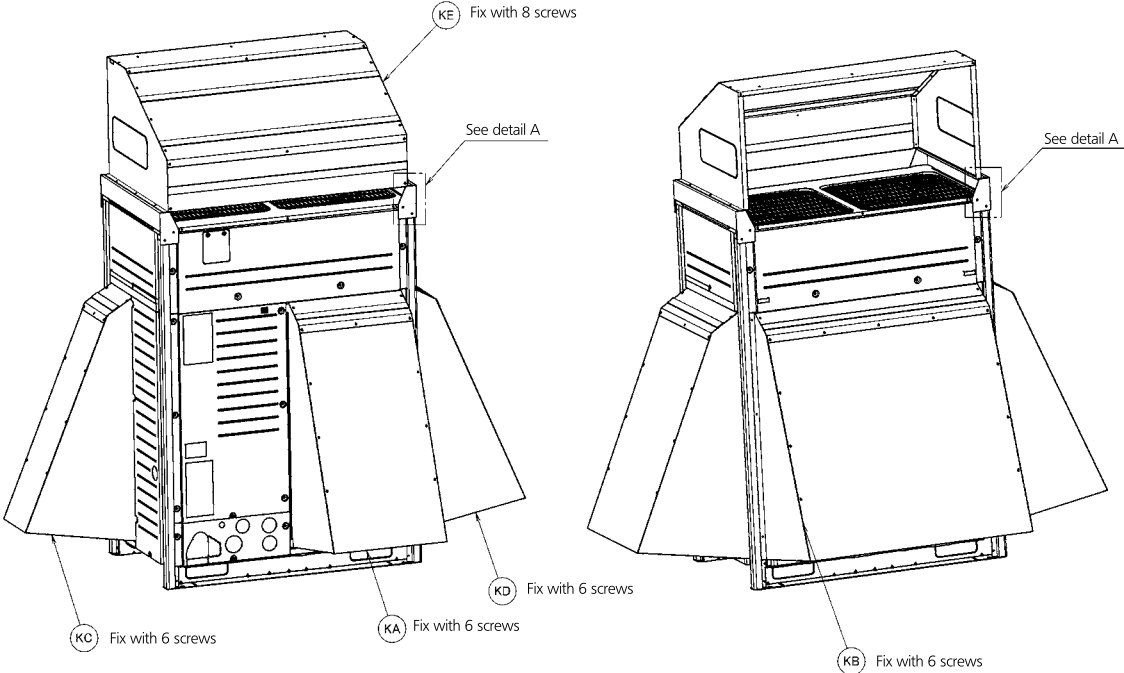
## Snowhood overview



**Detail A**

Positioning with dimples drill 2 holes  $\phi$  4,3  
(Same for 4 positions)

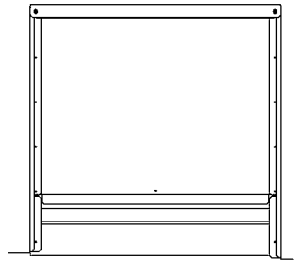
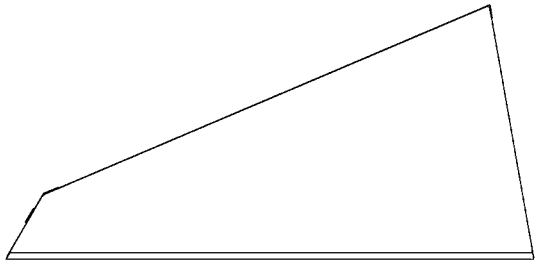
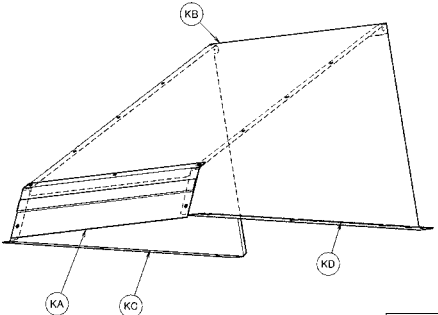
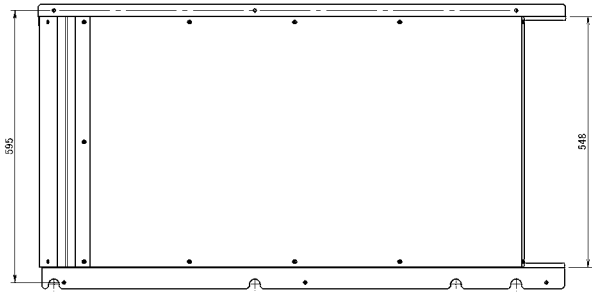
(KA)	Snow hood	3P340309
(KB)	Snow hood (Rear)	3P340312
(KC)	Snow hood (Assy left)	3P340307
(KD)	Snow hood (Assy right)	3P340305
(KE)	Snow hood (Top)	3P340313



# VRV IV 14-20HP

## Snowhood front assy

(KA)	Snow hood (Top 1)	3P340299
(KB)	Snow hood (Top 2)	3P340300
(KC)	Snow hood (Right)	3P340302
(KD)	Snow hood (Left)	3P340303

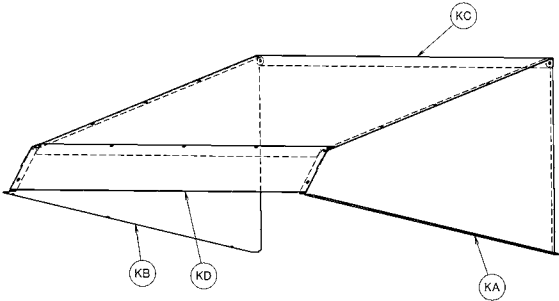
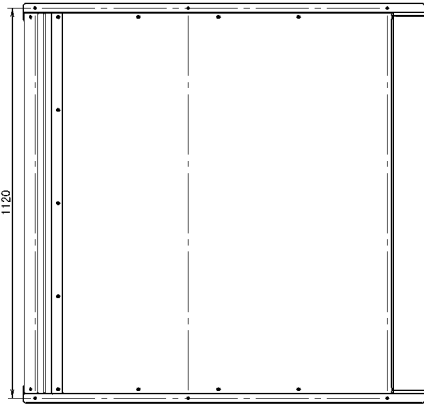


Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

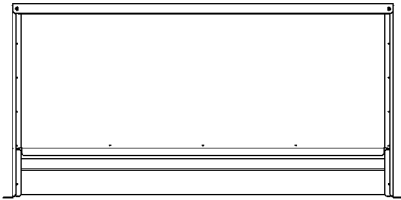
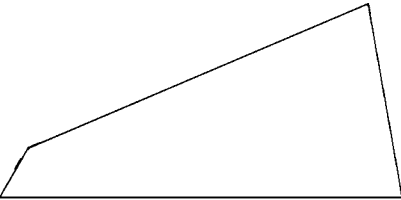
Note:  
Screw parts together with M5 class 3 self tapping screws  
(13 screws needed)

# VRV IV 14-20HP

## Snowhood rear assy



(KA)	Snow hood (Left)	3P340301
(KB)	Snow hood (Right)	3P340302
(KC)	Snow hood (Top)	3P340310
(KD)	Snow hood (Top)	3P340311



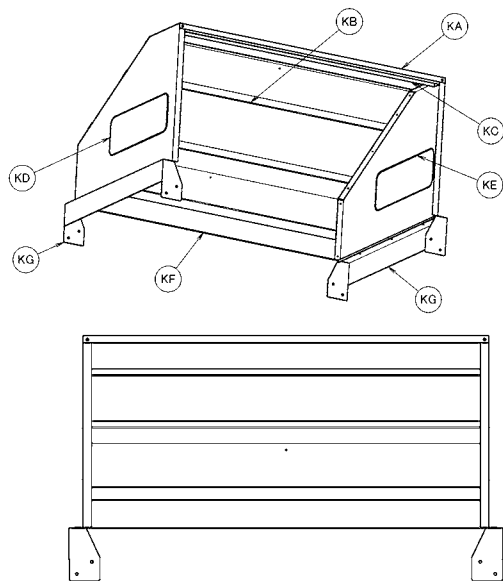
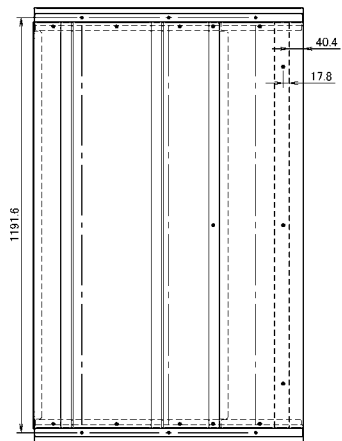
Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Note:  
Screw parts together with M5 class 3 self tapping screws  
(15 screws needed)

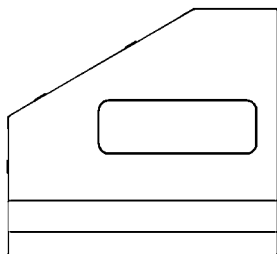


# VRV IV 14-20HP

## Snowhood top assy



(KA)	Snow hood (Top plate 1)	3P340291
(KB)	Snow hood (Top plate 2)	3P340292
(KC)	Snow hood (Top plate 3)	3P340293
(KD)	Snow hood (Left plate)	3P340294
(KE)	Snow hood (Right plate)	3P340295
(KF)	Snow hood (Rear plate)	3P340296
(KG)	Snow hood (Stay)	3P340297



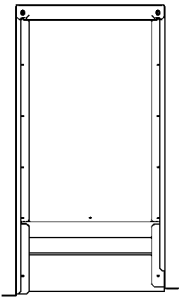
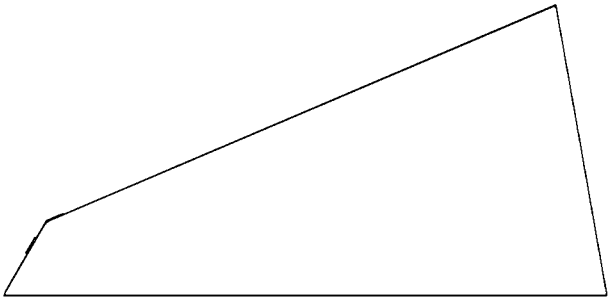
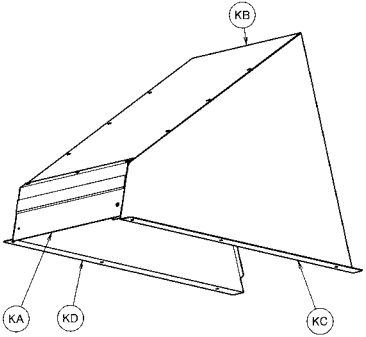
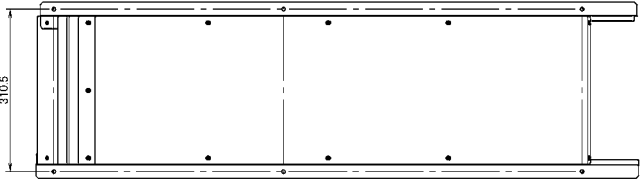
Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Note:  
Screw parts together with M5 class 3 self tapping screws  
(27 screws needed)

# VRV IV 8-12 + 14-20HP

## Snowhood assy left

(KA)	Snow hood (Top 1)	3P340299
(KB)	Snow hood (Top 2)	3P340300
(KC)	Snow hood (Left 1)	3P340301
(KD)	Snow hood (Left 2)	3P340304



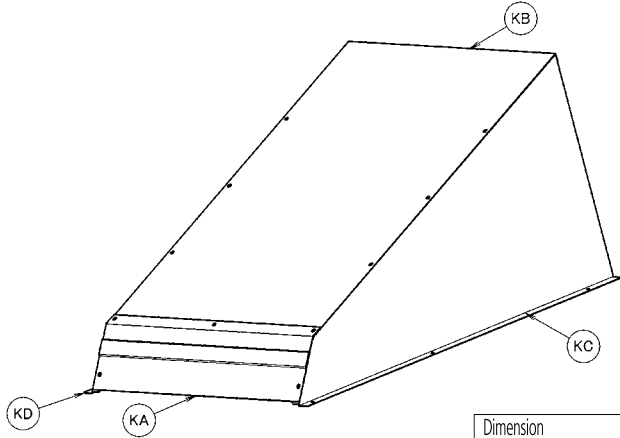
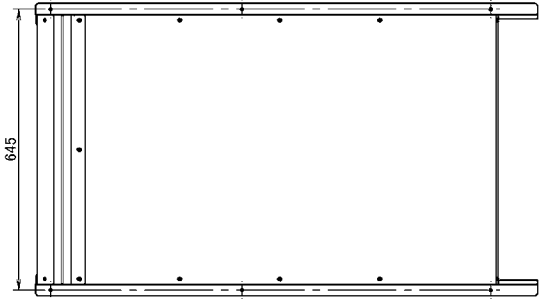
Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Note:  
Screw parts together with M5 class 3 self tapping screws  
(13 screws needed)

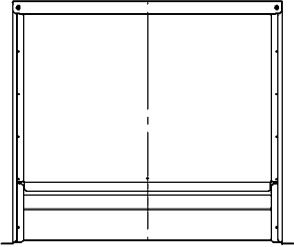
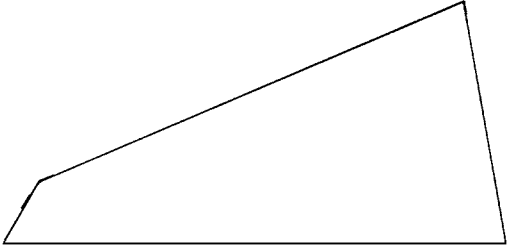
# VRV IV 8-12 + 14-20HP

## Snowhood assy right

(KA)	Snow hood (Top 1)	3P340299
(KB)	Snow hood (Top 2)	3P340300
(KC)	Snow hood (Left)	3P340301
(KD)	Snow hood (Right)	3P340302



Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5



Note:  
Screw parts together with M5 class 3 self tapping screws  
(13 screws needed)

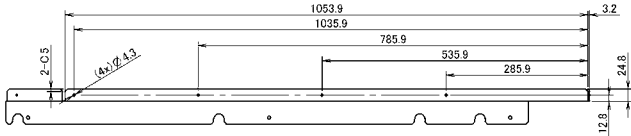
# VRV IV

Notes:

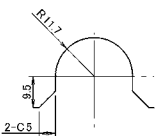
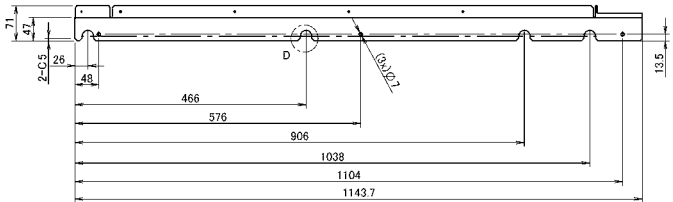
- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

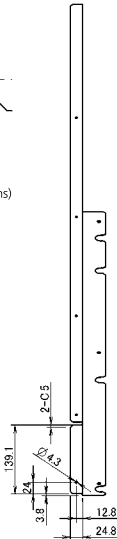


View B

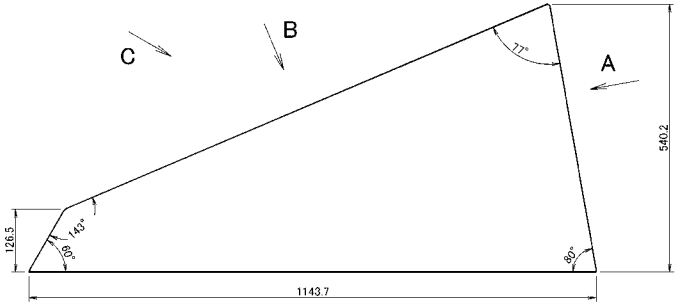
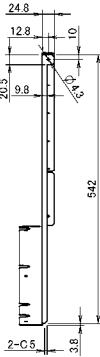


Detail D  
(Same for 4 positions)

View C



View A



# VRV IV

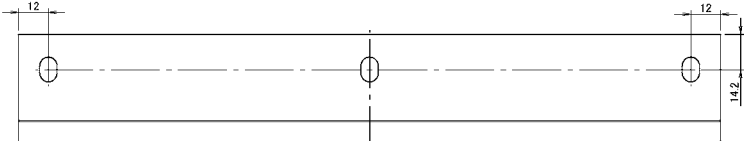
Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

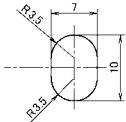
Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

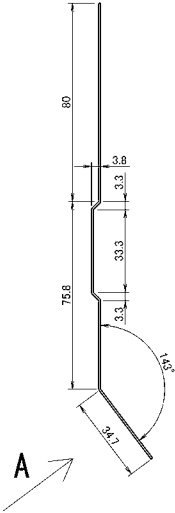
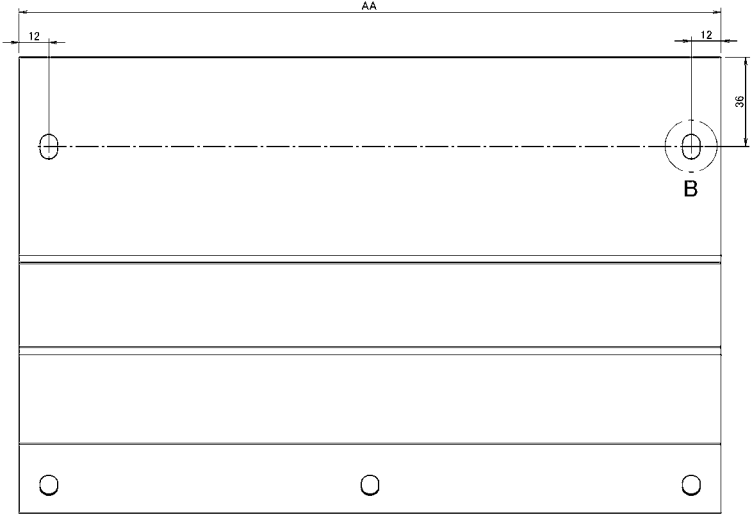
Model	AA
Rear 8-12HP	783
Right 8-20HP	618
Front 8-12HP	283
Front 14-20HP	548



View A



Detail B  
(Same for 5 positions)



# VRV IV

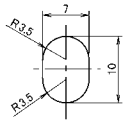
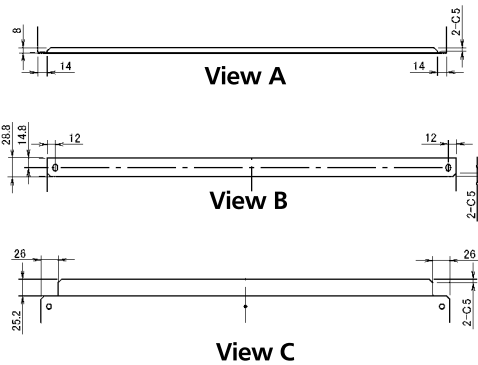
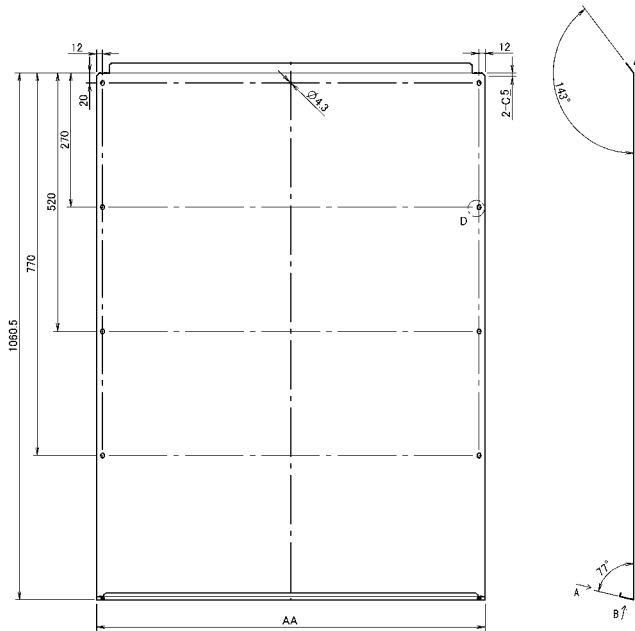
Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Model	AA
Rear 8-12HP	783
Right 8-20HP	618
Left 8-20HP	283
Front 8-12HP	283
Front 14-20HP	548



Detail D  
(Same for 10 positions)

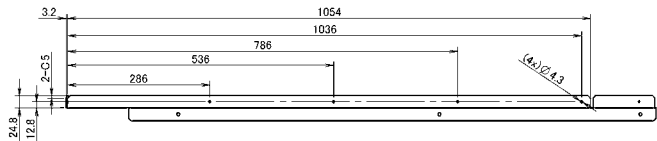
# VRV IV

Notes:

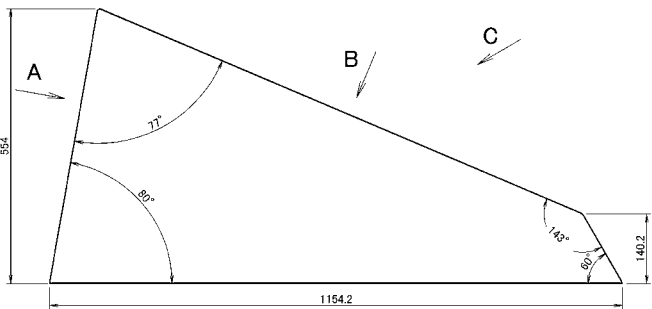
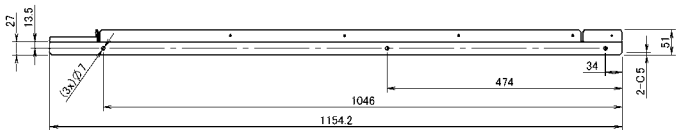
- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

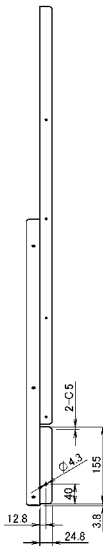
Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$



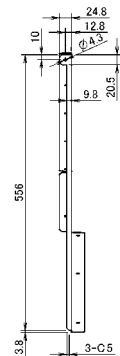
View B



View C



View A



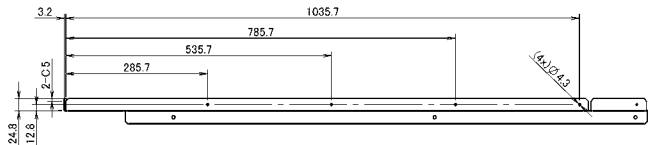
# VRV IV

Notes:

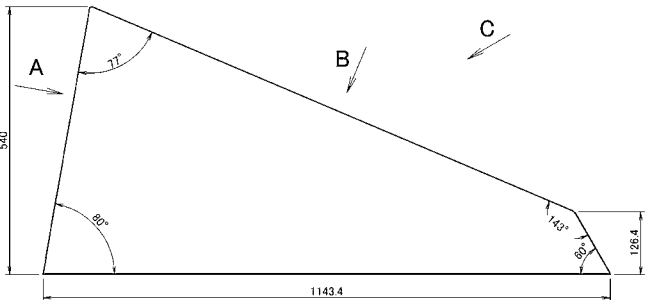
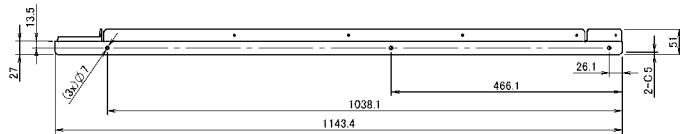
- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

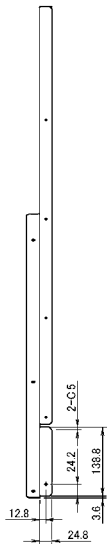
Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$



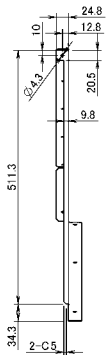
**View B**



**View C**



**View A**





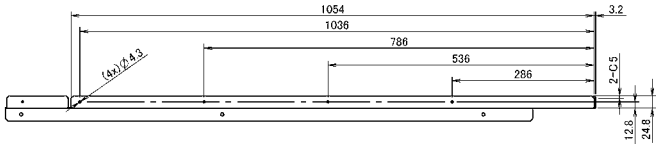
# VRV IV

Notes:

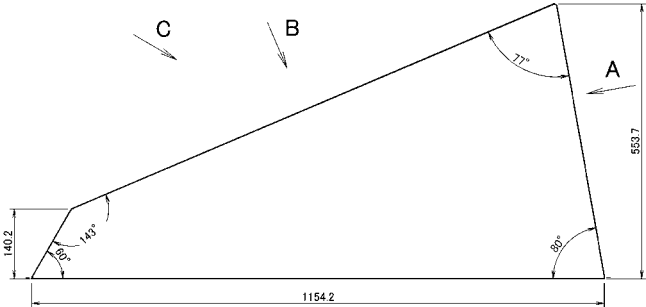
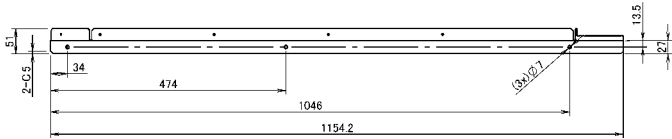
- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

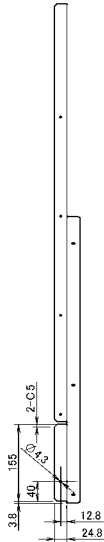
Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$



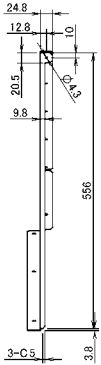
View B



View C



View A



# VRV IV

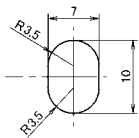
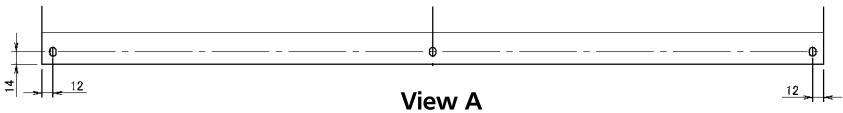
Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

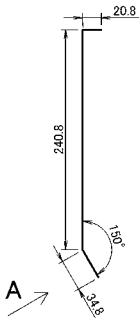
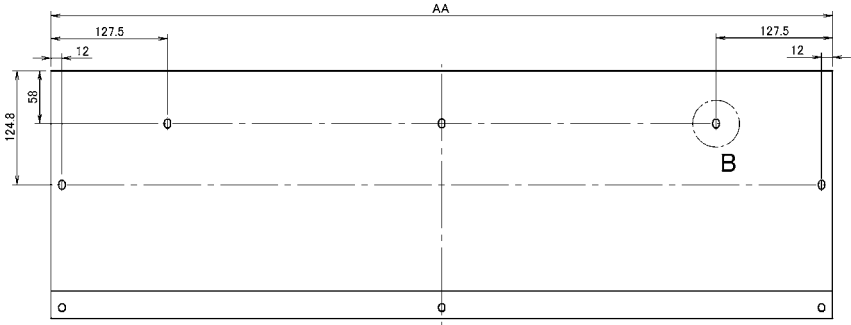
Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Model	AA
8-12HP	855
14-20HP	1165



**Detail B**  
(Same for 8 positions)



# VRV IV

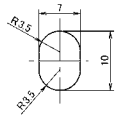
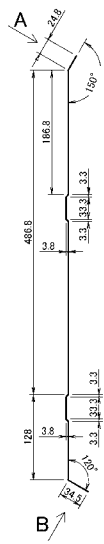
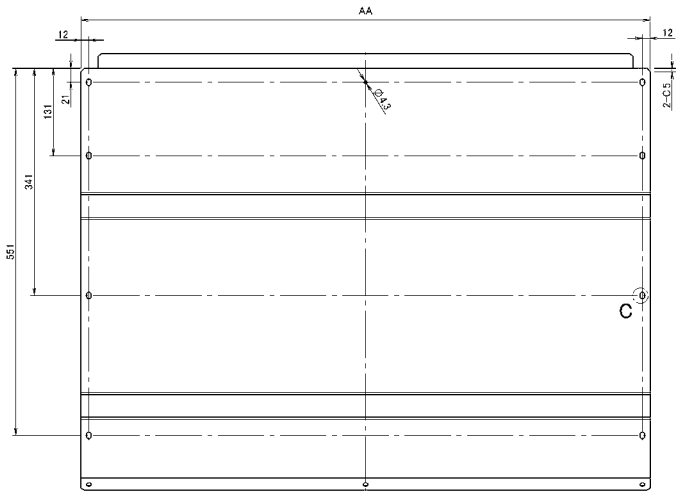
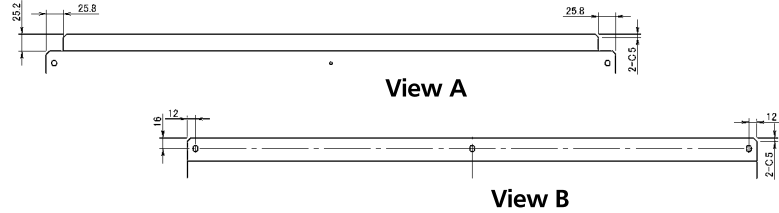
Notes:

- Material:  
- Zn coated 275  $\mu\text{m}$   
- Should be 10 years corrosion free  
- Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Model	AA
8-12HP	855
14-20HP	1165



Detail C  
(Same for 11 positions)

# VRV IV

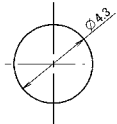
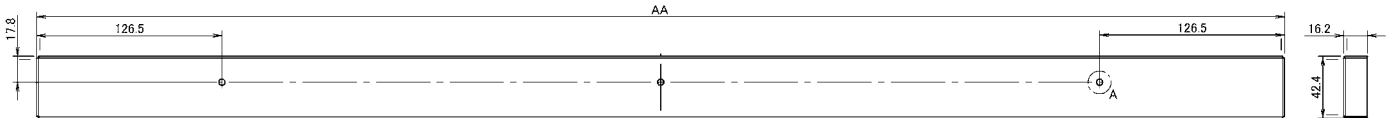
Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Model	AA
8-12HP	853
14-20HP	1163



Detail A  
(Same for 3 positions)

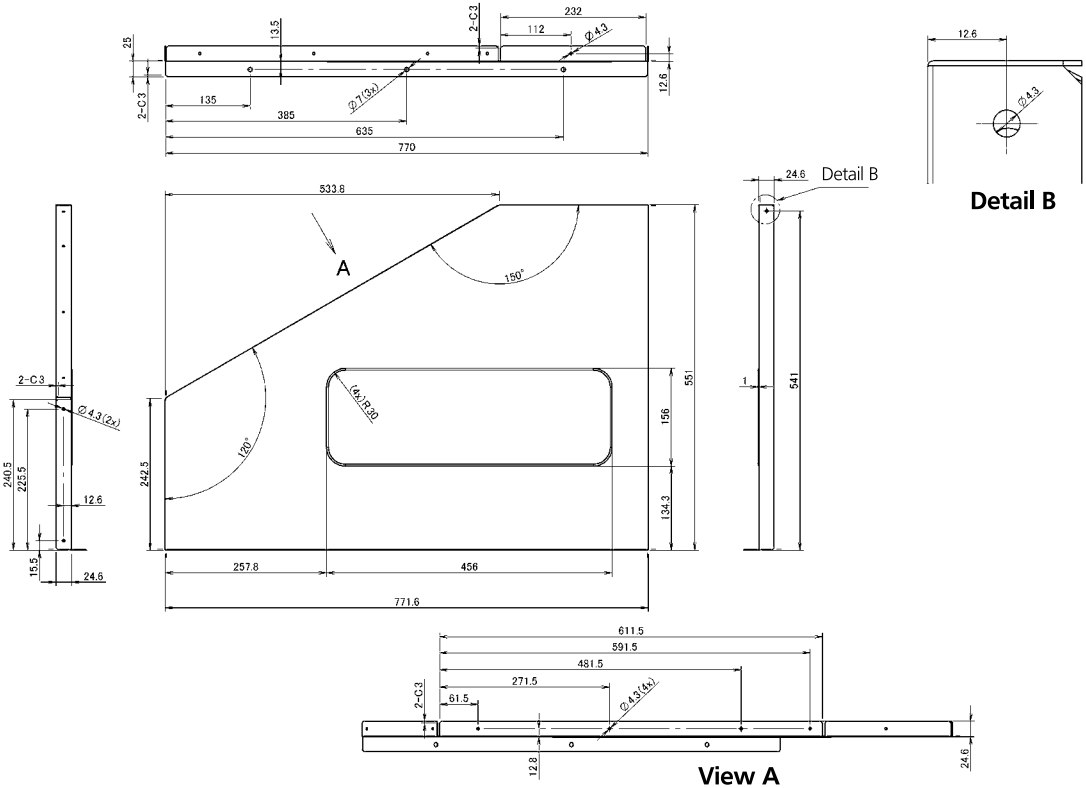
# VRV IV

Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$



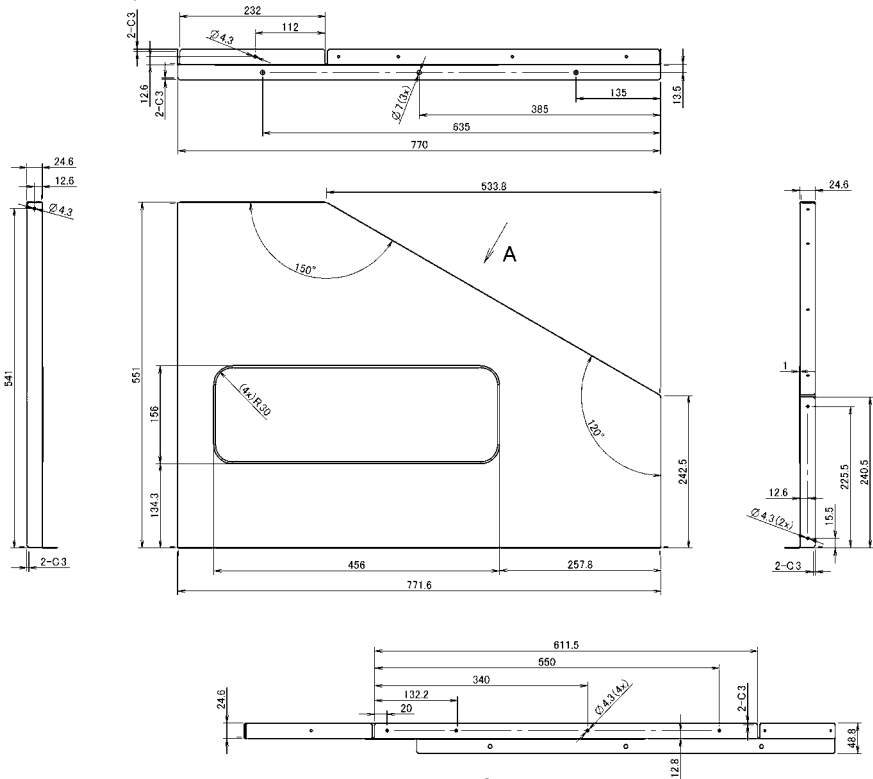
# VRV IV

Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Parts must be painted



View A

# VRV IV

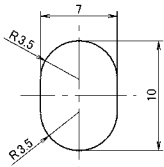
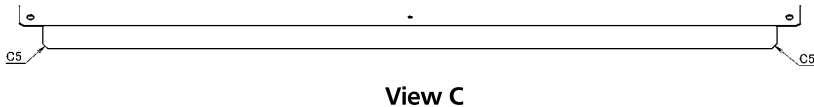
Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

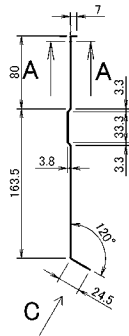
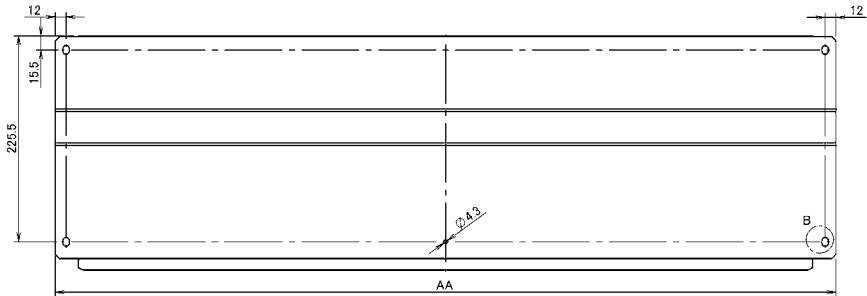
Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$

Model	AA
8-12HP	855
14-20HP	1165



Detail B  
(Same for 4 positions)



# VRV IV

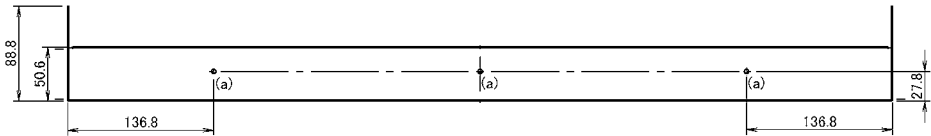
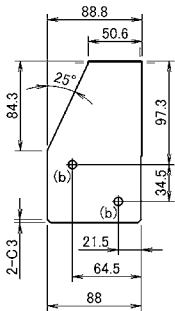
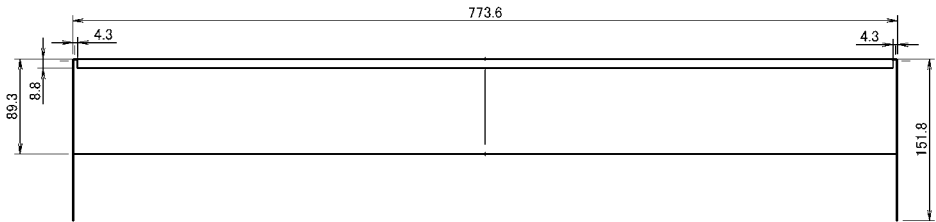
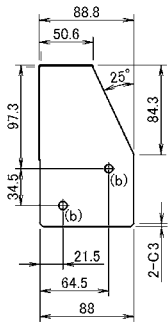
Notes:

- Material:
- Zn coated 275 μm
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	±0.3
From 10 ~ below 300	±0.5
From 300 ~ below 1000	±1.0
1000 and over	±1.5

Ref.	Specification:
(a)	Hole $\varnothing$ 4.3
(b)	Hole $\varnothing$ 8







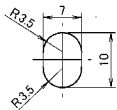
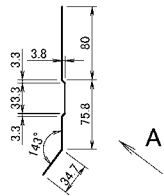
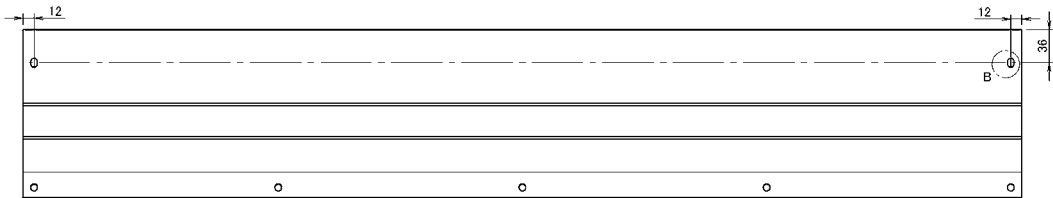
# VRV IV

Notes:

- Material:
- Zn coated 275  $\mu\text{m}$
  - Should be 10 years corrosion free
  - Thickness: 0.8mm

Parts must be painted

Dimension	Tolerance
below 10	$\pm 0.3$
From 10 ~ below 300	$\pm 0.5$
From 300 ~ below 1000	$\pm 1.0$
1000 and over	$\pm 1.5$



Detail B  
(Same for 7 positions)

