VRV IV S-series heat pump

The most compact VRV

Most compact unit on the market 823mm high & 94kg

Control systems

Indoor units
VRV type indoor units
Residential type indoor units (such as Daikin Emura)

Air curtain
Biddle Air curtain for VRV (CYV)

Ventilation
Heat Reclaim ventilation (VAM/VKM) AHU connection kit

RXYSCQ4, 5TV1 | RXYSQ4, 5, 6TV1/TY1 | RXYSQ8, 10, 12TY1

Variable Refrigerant Temperature

VRV IV standards:

Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort

VRV configurator

Software for simplified commissioning, configuration and customisation

- Refrigerant containment check
- Night quiet mode
- Low noise function
- Connectable to stylish indoor units (Daikin Emura, Nexura)
- Full inverter compressors
- Gas cooled PCB (not available on RXYSQ4,5,6,8TY1)
- Reluctance brushless DC compressor
- Sine wave DC inverter
- DC fan motor
- E-pass heat exchanger
- I demand function
- Manual demand function

For detailed explanation of these functions refer to vrv iv technologies tab

Widest range of front blow units on the market

Compact:
Easy for a two person crew to move and install.

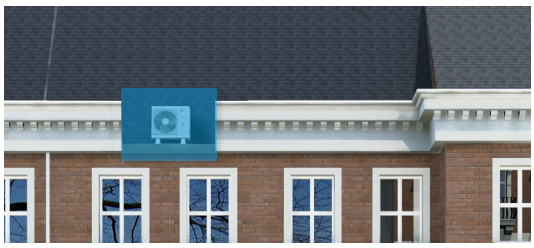
Lowest height on the market

Ideal for roof installations

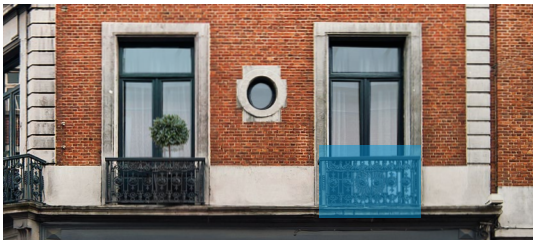
› The low height mini VRV can be hidden in many places where a twin fan unit cannot due to its low height.

Ideal to install below a window on a Balcony

› Daikin VRV IV S-series compact can be installed discretely on a balcony thanks to it's compact dimensions, offering you air conditioning while being almost unnoticeable.



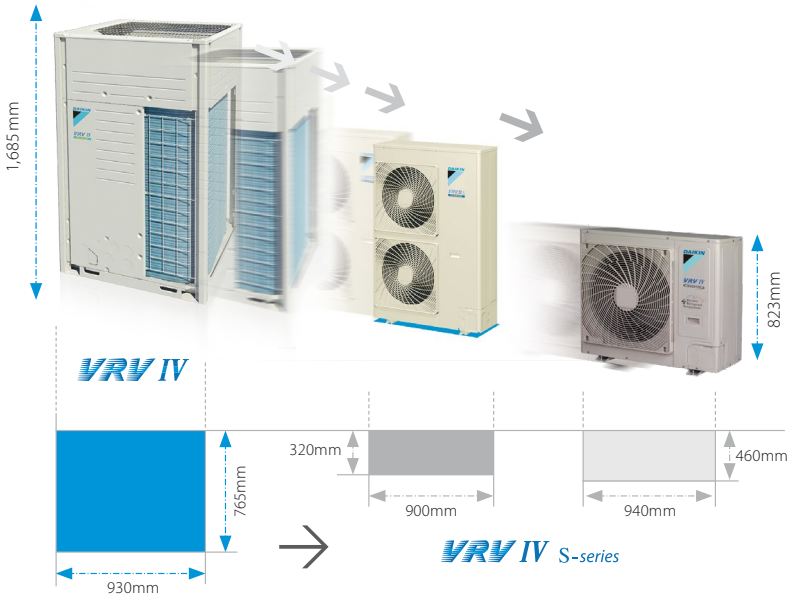
Unnoticeable for parapet installation



Low height make the unit invisible from inside and unnoticeable from the outside

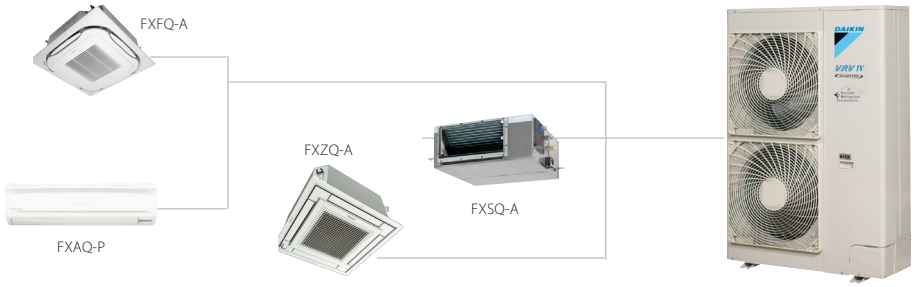
Space saving design

The VRV S-series is slimmer and more compact, resulting in significant savings in installation space.

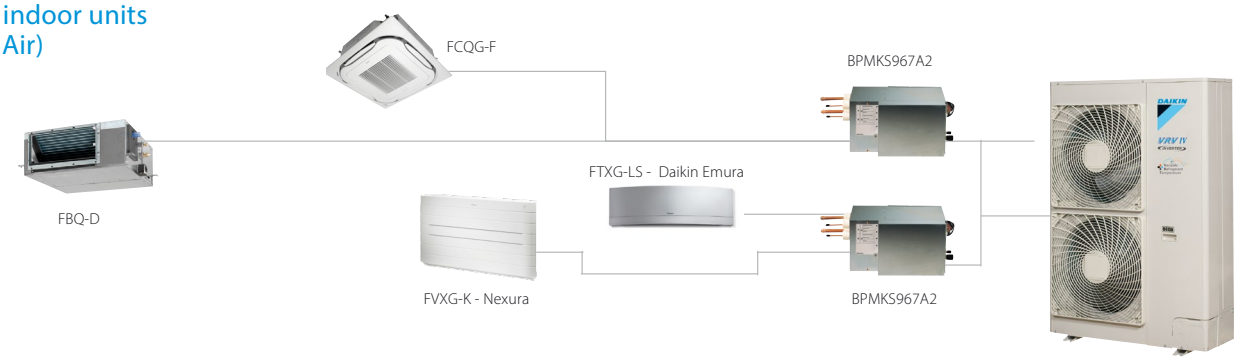


Wide range of indoor units

Connect VRV units…



… or stylish indoor units (RA and Sky Air)

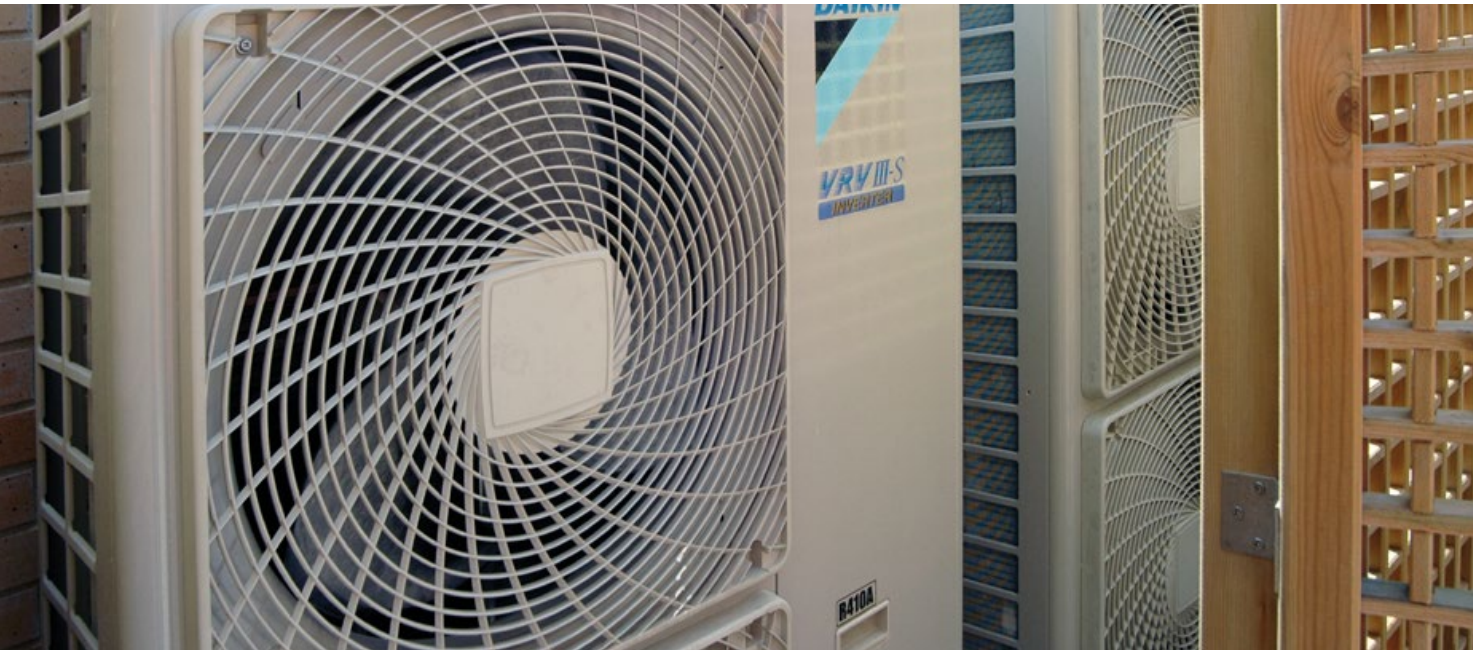


Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCQG-F				●		●	●	●
Fully flat cassette	FFQ-C			●	●		●	●	
Slim concealed ceiling unit	FDXM-F3			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBQ-D			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXG-LW/LS		●	●	●		●		
Wall mounted unit	CTXS-K	●			●				
Wall mounted unit	FTXS-K		●	●	●	●	●		
Wall mounted unit	FTXS-G							●	●
Ceiling suspended unit	FHQ-CB				●		●	●	
Nexura - Floor standing unit	FVXG-K			●	●		●		
Floor standing unit	FVXS-F			●	●		●		
Concealed floorstanding unit	FNQ-A			●	●		●	●	
Flexi type unit	FLXS-B(9)			●	●		●	●	

For more info about Daikins stylish indoor units, please check our indoor unit-portfolio

* VRV indoor units and stylish indoor units cannot be combined.
* To connect stylish indoor units a BPMKS unit is needed

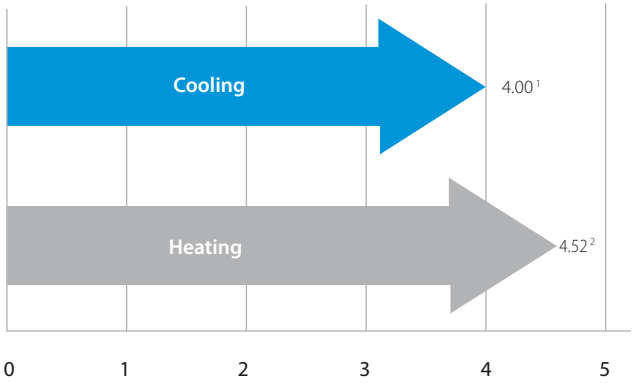


High COP values

A major feature of VRV IV S-series is its exceptional energy efficiency. The system achieves high COPs during both cooling and heating operation by the use of refined components and functions.

[1] Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°C, equivalent refrigerant piping: 5m, level difference: 0m.

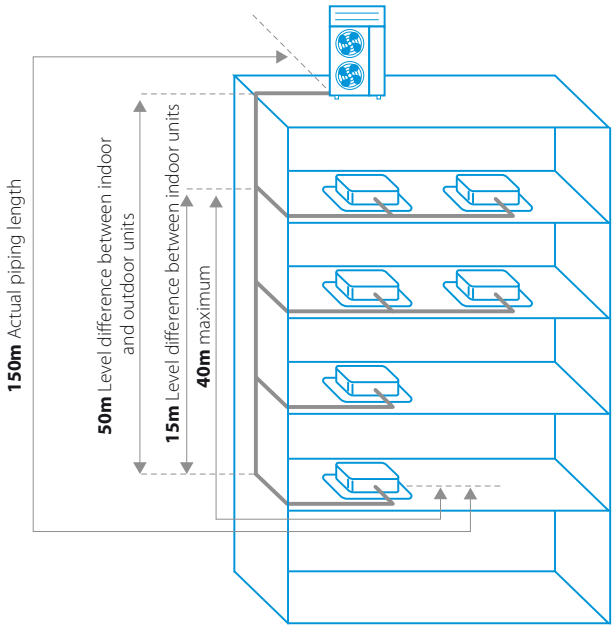
[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m



Flexible piping design

	VRV indoors connected	Stylish indoors connected
Total piping length	300m	140m
Longest length actual	120m (4-8HP)/ 150m (10-12HP)	
Minimum length between outdoor unit and first branch	-	5m
Minimum piping length between BP and indoor unit	-	2m
Maximum piping length between BP and indoor unit	-	15m
Longest length after first branch	40m	40m
Level difference between indoor and outdoor units	50m (40m[1])	30m
Level difference between indoor units	15m	15m

[1] Outdoor unit in lowest position

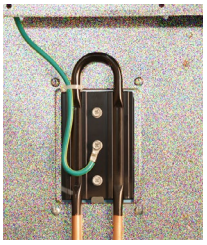


VRV IV S-series

technologies

Super aero grille

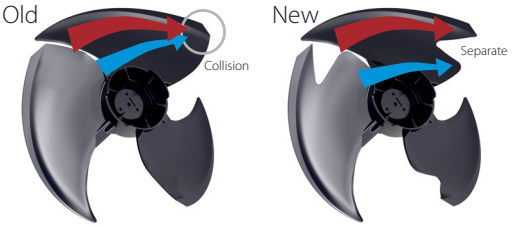
The spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.



Refrigerant-cooled PCB

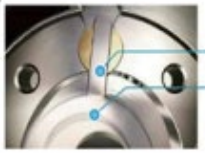
› Reliable cooling because it is not influenced by ambient air temperature
› Smaller switchbox for smoother air flow through the heat exchanger increasing heat exchange efficiency with 5%

Improved fan blades



Air streams collide and generate loss

Air streams are smoothed around V-cut and reduces air flow loss

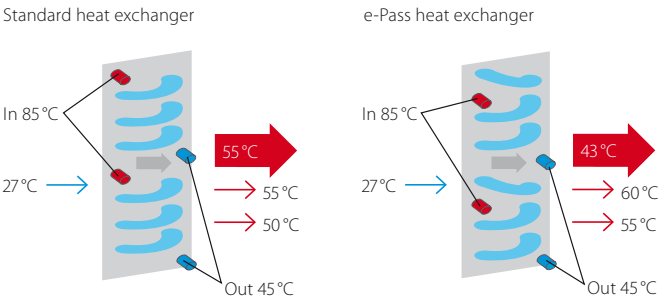


Compressor

Swing type **> no oil separator**
Vane & rotor are unified resulting in:
› Reduced noise level
› Longer compressor life
› Higher efficiency thanks to the absence of internal refrigerant leakage between high and low pressure side

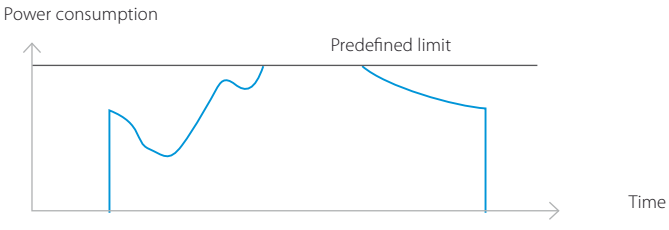
E-Pass heat exchanger

Optimising the heat exchanger's path layout prevents heat being transferred from the overheated gas section to the sub-cooled liquid section which is a more efficient way to use the heat exchanger.



I-demand function

Limit maximum power consumption.
The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.



PIPE RUN OF 70M ALLOWS
INSTALLATION AWAY FROM THE HOUSE

LARGE VILLA APPLICATION

PARAPET INSTALLATION

OFFICE ROOFTOP INSTALLATION

VRV IV S-series compact heat pump

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors, refrigerant cooled PCB, new DC fan motor
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features

RXYSCQ-TV1

Outdoor unit				RXYSCQ	4TV1	5TV1
Capacity range				HP	4	5
Cooling capacity	Nom.	35°CDB		kW	12.1	14.0
Heating capacity	Nom.	6°CWB		kW	12.1	14.0
	Max.	6°CWB		kW	14.2	16.0
Power input - 50Hz	Cooling	Nom.	35°CDB	kW	3.43	4.26
	Heating	Nom.	6°CWB	kW	3.18	3.19
		Max.	6°CWB	kW	4.14	5.00
COP at nom. capacity	6°CWB			kW/kW	3.81	3.58
COP at max. capacity	6°CWB			kW/kW	3.43	3.20
ESEER - Automatic					6.93	6.57
Maximum number of connectable indoor units					64	
Indoor index connection	Min.				50	62.5
	Nom.				-	
	Max.				130	162.5
Dimensions	Unit	HeightxWidthxDepth		mm	823x940x460	
Weight	Unit			kg	94	
Fan	Air flow rate	Cooling	Nom.	m^3/min	91	
Sound power level	Cooling	Nom.		dBA	68	69
Sound pressure level	Cooling	Nom.		dBA	51	52
Operation range	Cooling	Min.~Max.		°CDB	-5~46	
	Heating	Min.~Max.		°CWB	-20~15.5	
Refrigerant	Type				R-410A	
	GWP				2,087.5	
	Charge			TCO_2eq	7.7	
				kg	3.7	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	32	

(1) Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

VRV IV S-series heat pump

Space saving solution without compromising on efficiency

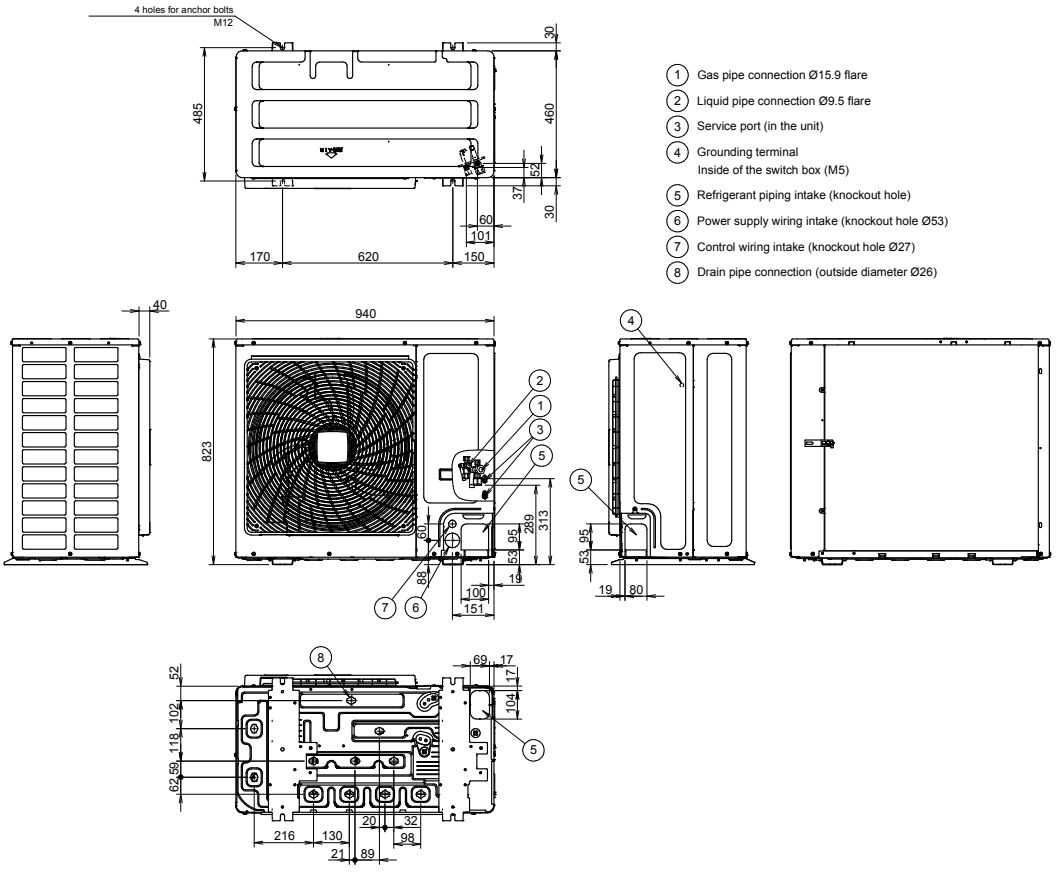
- Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features

RXYSQ4-6TV1_TY1

Outdoor unit					RXYSQ-TV1/RXYSQ-TY1	4TV1	5TV1	6TV1	4TY1	5TY1	6TY1	8TY1	10TY1	12TY1
Capacity range					HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Nom.	35°CDB			kW	12.1	14.0	15.5	12.1	14.0	15.5		-	
		Eurovent			kW	-						22.4	28.0	33.5
Heating capacity	Nom.	6°CWB			kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
	Max.	6°CWB			kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
Power input - 50Hz	Cooling	Nom.	35°CDB		kW	3.03	3.73	4.56	3.03	3.73	4.56		-	
			Eurovent		kW	-						6.12	8.24	10.2
	Heating	Nom.	6°CWB		kW	2.68	3.27	3.97	2.68	3.27	3.97	5.20	6.60	8.19
		Max.	6°CWB		kW	3.43	4.09	5.25	3.43	4.09	5.25	6.22	8.33	10.2
EER at nom. capacity	Eurovent				kW/kW	-						3.66	3.40	3.30
COP at nom. capacity	6°CWB				kW/kW	4.52	4.28	3.90	4.52	4.28	3.90	4.31	4.24	4.09
COP at max. capacity	6°CWB				kW/kW	4.14	3.91	3.43	4.14	3.91	3.43	4.02	3.78	3.66
ESEER - Automatic						7.89	7.49	6.73	7.89	7.49	6.73	6.72	6.41	6.18
Maximum number of connectable indoor units						64 (1)								
Indoor index connection	Min.					50	62.5	70	50	62.5	70	100	125	150
	Nom.					-								
	Max.					130	162.5	182	130	162.5	182	260	325	390
Dimensions	Unit	HeightxWidthxDepth			mm	1,345x900x320						1,430x940x320	1,615x940x460	
Weight	Unit				kg	104						144	175	180
Fan	Air flow rate	Cooling	Nom.		m^3/min	106						140	182	
Sound power level	Cooling	Nom.			dBA	68	69	70	68	69	70	73	74	76
Sound pressure level	Cooling	Nom.			dBA	50	51		50	51		55		57
Operation range	Cooling	Min.~Max.			°CDB	-5~46						-5~52		
	Heating	Min.~Max.			°CWB	-20~15.5								
Refrigerant	Type					R-410A								
	GWP					2,087.5								
	Charge				TCO_2eq	7.5						9.4	14.6	16.7
					kg	3.6						5.5	7	8
Piping connections	Liquid	OD			mm	9.52								12.7
	Gas	OD			mm	15.9		19.1	15.9		19.1		22.2	25.4
	Total piping length	System	Actual		m	300			-					
Power supply	Phase/Frequency/Voltage				Hz/V	1N~/50/220-240			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)				A	32			16			25		32

(1) Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

RXYSCQ-TV1



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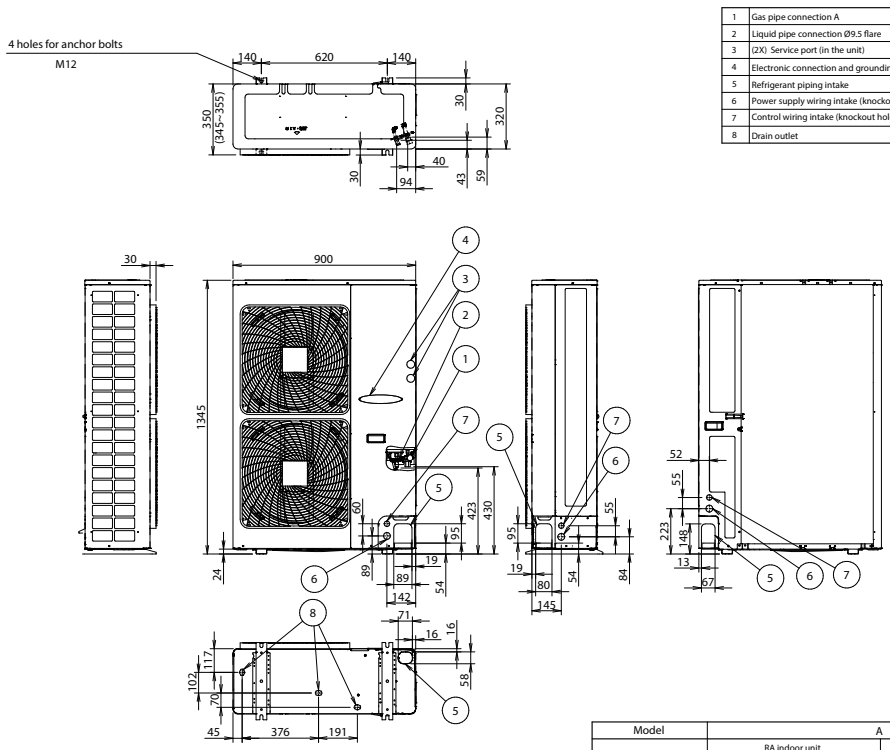
RXYSQ-TV1



1	Gas pipe connection A
2	Liquid pipe connection Ø9.5 flare
3	(2X) Service port (in the unit)
4	Electronic connection and grounding terminal M5 (in the switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knockout hole Ø34)
7	Control wiring intake (knockout hole Ø27)
8	Drain outlet

Model	A
RMXS112E8V1B	Ø19.1 brazed connection
RMXS140E8V1B	Ø19.1 brazed connection
RMXS160E8V1B	Ø19.1 brazed connection
RXYSQ4PA7V1B	Ø15.9 flared connection
RXYSQ5PA7V1B	Ø15.9 flared connection
RXYSQ6PA7V1B	Ø19.1 brazed connection
ERX100A9V1B	Ø15.9 flared connection
ERX125A9V1B	Ø15.9 flared connection
ERX140A9V1B	Ø19.1 brazed connection
GCA100BD4	Ø15.9 flared connection
GCA125BD4	Ø15.9 flared connection
GCA140BD4	Ø19.1 brazed connection
RXYSQ4PA7Y1B	Ø15.9 flared connection
RXYSQ5PA7Y1B	Ø15.9 flared connection
RXYSQ6PA7Y1B	Ø19.1 brazed connection

Model	A	
	RA indoor unit	VRV indoor unit
RXYSQ4(P8/T7)V1B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ5(P8/T7)V1B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ6(P8/T7)V1B	Ø19.1 brazed connection	
RXYSQ4(P8/T7)Y1B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ5(P8/T7)Y1B	Ø19.1 brazed connection	Ø15.9 flared connection
RXYSQ6(P8/T7)Y1B	Ø19.1 brazed connection	

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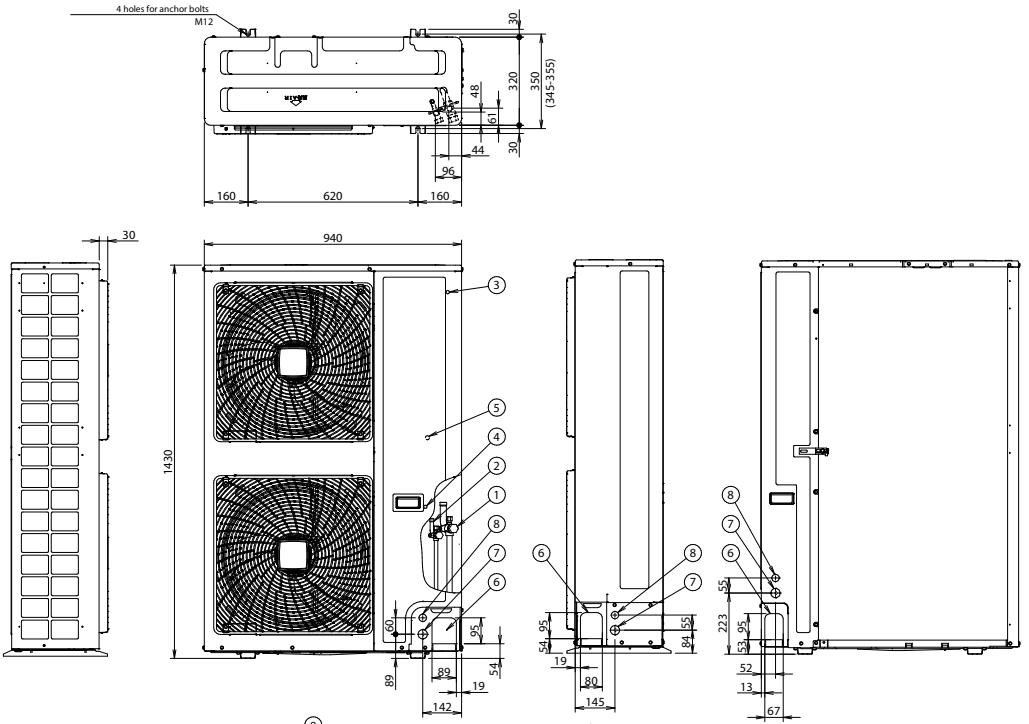
RXYSQ-TY1



1. Gas pipe connection Ø19.1 brazing
2. Liquid pipe connection Ø9.52 brazing
3. Service port (in the unit)
   High pressure
4. Service port (in the unit)
   Additional refrigerant charge
5. Grounding terminal
   Inside of the switch box (M5)
6. Refrigerant piping intake (knockout hole)
7. Power supply wiring intake (knockout hole Ø34)
8. Control wiring intake (knockout hole Ø27)
9. Drain pipe connection (outside diameter Ø26)

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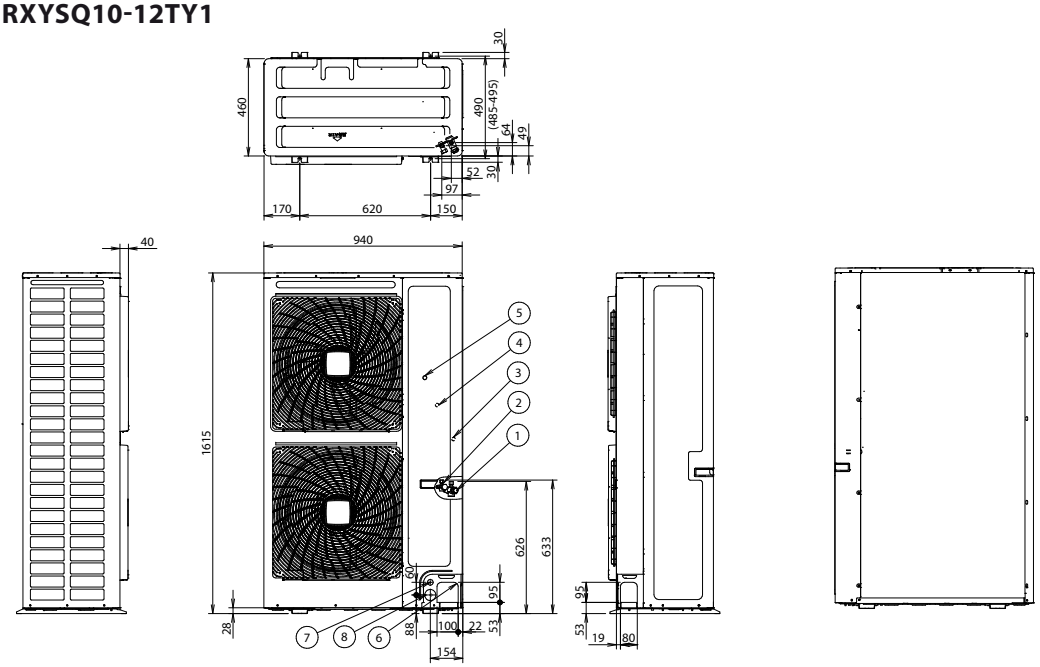
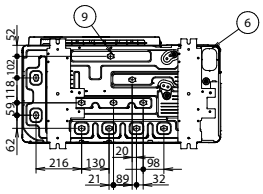
RXYSQ10-12TY1





1. RXYSQ10TMY1B: Gas pipe connection Ø22.2 brazing
   RXYSQ12TMY1B: Gas pipe connection Ø25.4 brazing
2. RXYSQ10TMY1B: Liquid pipe connection Ø9.52 brazing
   RXYSQ12TMY1B: Liquid pipe connection Ø12.7 brazing
3. Service port (in the unit)
   Additional refrigerant charge
4. Service port (in the unit)
   High pressure
5. Grounding terminal
   Inside of the switch box (M8)
6. Refrigerant piping intake (knockout hole)
7. Control wiring intake (knockout hole Ø27)
8. Power supply wiring intake (knockout hole Ø53)
9. Drain pipe connection (outside diameter Ø26)

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RXYSCQ-TV1

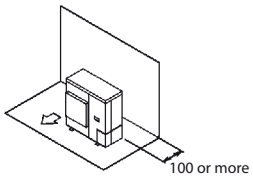
Required instalation space

The unit of values is mm.

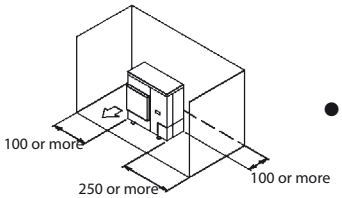
(A) When there are obstacles on suction sides

- **No obstacle above**

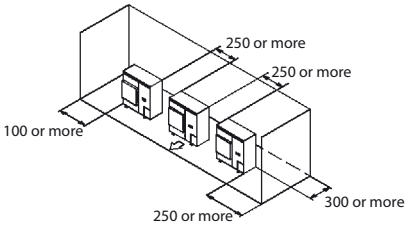
① Stand-alone installation
- Obstacle on the suction side only



- Obstacle on both sides

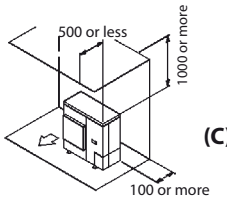


② Series installation (2 or more)
- Obstacle on both sides

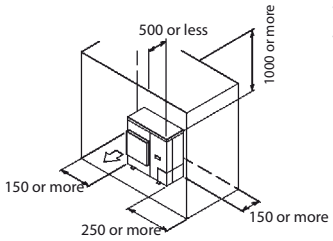


- **Obstacle above, too**

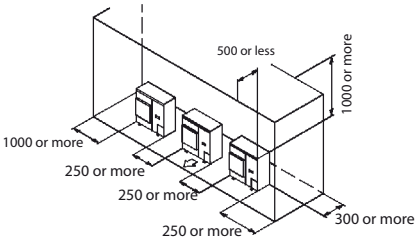
① Stand-alone installation
- Obstacle on the suction side, too



- Obstacle on the suction side, and both sides



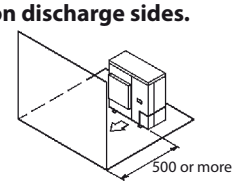
② Series installation (2 or more)
- Obstacle on the suction side, and both sides



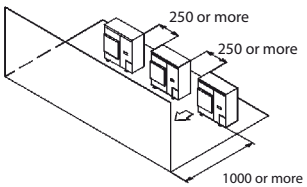
(B) When there are obstacles on discharge sides.

- **No obstacle above**

① Stand-alone installation

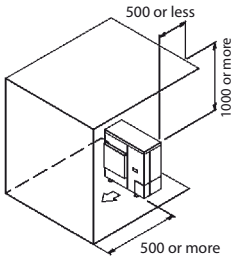


② Series installation (2 or more)

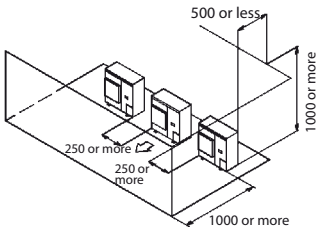


- **Obstacle above, too**

① Stand-alone installation



② Series installation (2 or more)



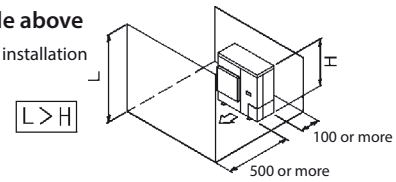
(C) When there are obstacles on both suction and discharge sides.

Pattern 1

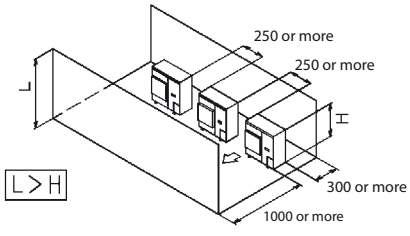
When the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

- **No obstacle above**

① Stand-alone installation



② Series installation (2 or more)



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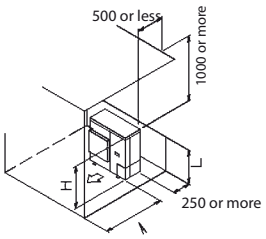
RXYSCQ-TV1

● Obstacle above, too

①Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	750
	1/2 H < L ≦ H	1000
H < L	Set the stand as: L ≦ H	

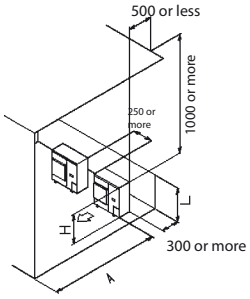


Close the bottom of the installation frame to prevent the discharged air from being bypassed.

②Series installation (2 or more)

The relations between H, A and L are as follows.

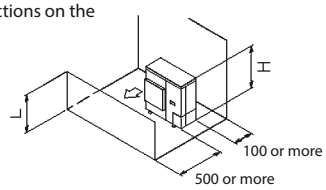
	L	A
L ≦ H	0 < L ≦ 1/2 H	1000
	1/2 H < L ≦ H	1250
H < L	Set the stand as: L ≦ H	



Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.

Pattern 2

When the obstacle on the discharge side is lower than the unit:
(There is no height limit for obstructions on the intake side.)



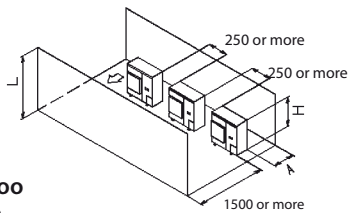
● No obstacle above

①Stand-alone installation
L > H

②Series installation (2 or more)

The relations between H, A and L are as follows.

L	A
0 < L ≦ 1/2 H	250
1/2 H < L ≦ H	300

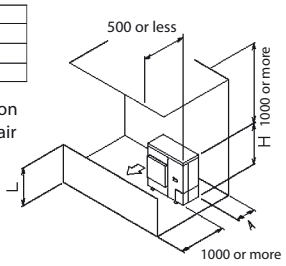


● Obstacle above, too

①Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	100
	1/2 H < L ≦ H	200
H < L	Set the stand as: L ≦ H	

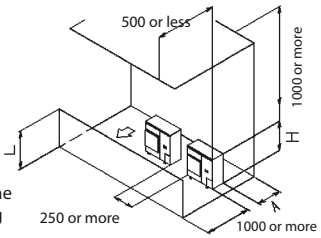


Close the bottom of the installation frame to prevent the discharged air from being bypassed.

②Series installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	250
	1/2 H < L ≦ H	300
H < L	Set the stand as: L ≦ H	

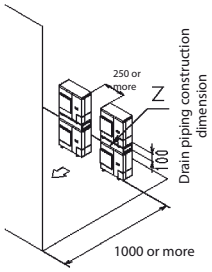


Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.

(D) Double-decker installation

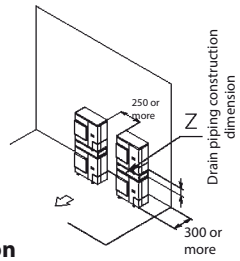
①Obstacle on the discharge side

Close the gap Z (the gap between the upper an lower outdoor units) to prevent the discharged air from being bypassed.
Don not stack more than two units.



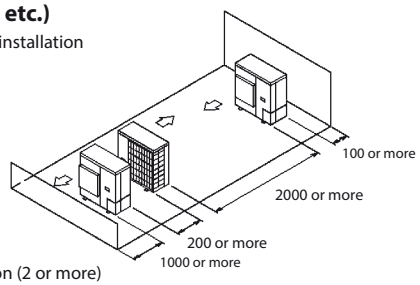
②Obstacle on the suction side

Close the gap Z (the gap between the upper an lower outdoor units) to prevent the discharged air from being bypassed.
Don not stack more than two units.



(E) Multiple rows of series installation (on the rooftop, etc.)

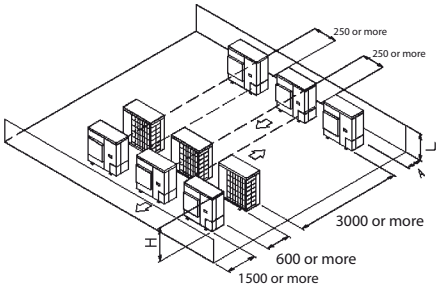
①One row of Stand-alone installation



②Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	250
	1/2 H < L ≦ H	300
H < L	Can not be installed	



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RXYSQ-TV1 / / RXYSQ4-6TY1

Required instalation space

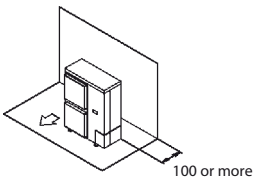
The unit of values is mm.

(A) When there are obstacles on suction sides

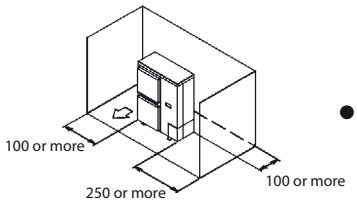
- **No obstacle above**

① Stand-alone installation

- Obstacle on the suction side only

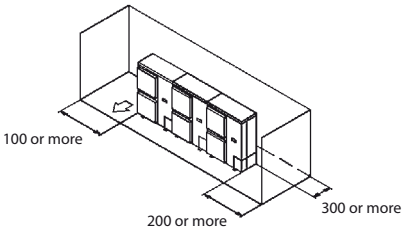


- Obstacle on both sides



② Series installation (2 or more)

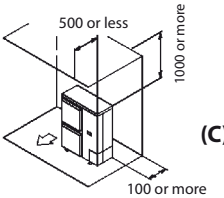
- Obstacle on both sides



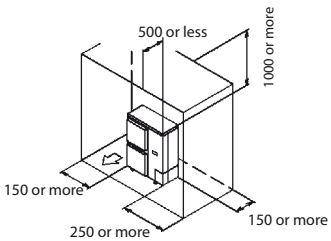
- **Obstacle above, too**

① Stand-alone installation

- Obstacle on the suction side, too

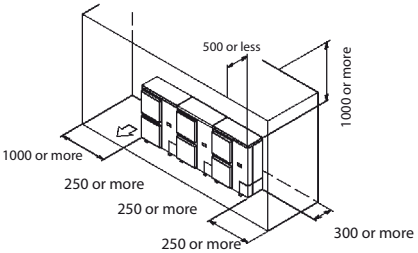


- Obstacle on the suction side, and both sides



② Series installation (2 or more)

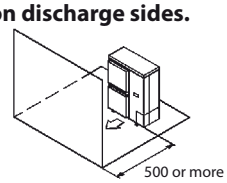
- Obstacle on the suction side, and both sides



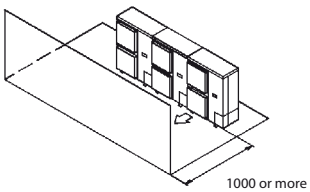
(B) When there are obstacles on discharge sides.

- **No obstacle above**

① Stand-alone installation

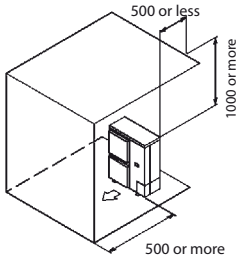


② Series installation (2 or more)

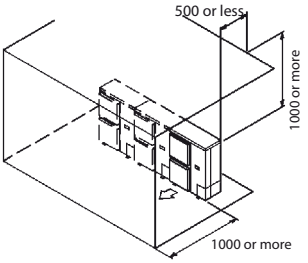


- **Obstacle above, too**

① Stand-alone installation



② Series installation (2 or more)



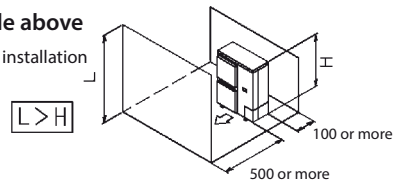
(C) When there are obstacles on both suction and discharge sides.

Pattern 1

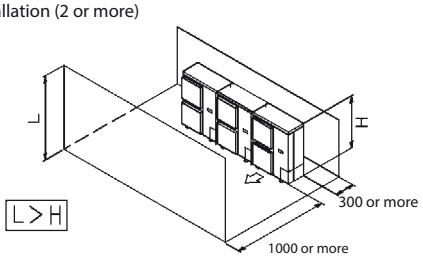
When the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

- **No obstacle above**

① Stand-alone installation



② Series installation (2 or more)



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RXYSQ-TV1 / / RXYSQ4-6TY1

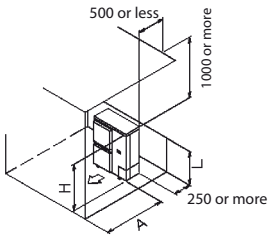
● Obstacle above, too

① Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	750
	1/2 H < L ≦ H	1000
H < L	Set the stand as: L ≦ H	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

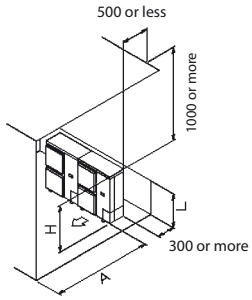


② Series installation (2 or more)

The relations between H, A and L are as follows.

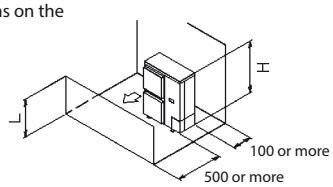
	L	A
L ≦ H	0 < L ≦ 1/2 H	1000
	1/2 H < L ≦ H	1250
H < L	Set the stand as: L ≦ H	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.



Pattern 2

When the obstacle on the discharge side is lower than the unit:
(There is no height limit for obstructions on the intake side.)



● No obstacle above

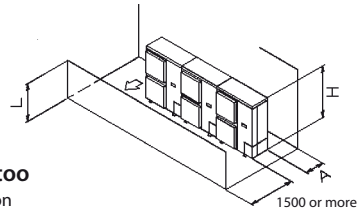
①Stand-alone installation

L ≦ H

② Series installation (2 or more)

The relations between H, A and L are as follows.

L	A
0 < L ≦ 1/2 H	250
1/2 H < L ≦ H	300



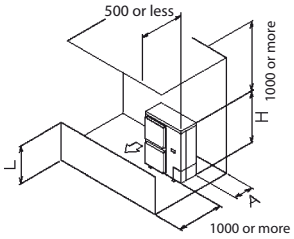
● Obstacle above, too

① Stand-alone installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	100
	1/2 H < L ≦ H	200
H < L	Set the stand as: L ≦ H	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

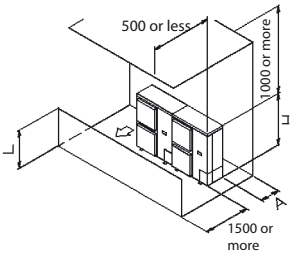


② Series installation

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	250
	1/2 H < L ≦ H	300
H < L	Set the stand as: L ≦ H	

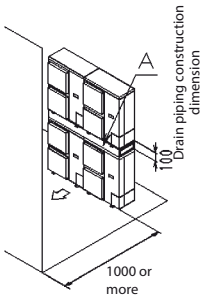
Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.



(D) Double-decker installation

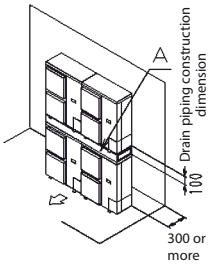
①Obstacle on the discharge side

Close the gap A (the gap between the upper an lower outdoor units) to prevent the discharged air from being bypassed.
Don not stack more than two units.



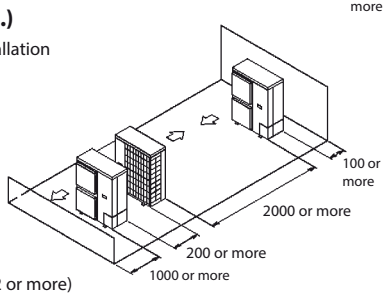
②Obstacle on the suction side

Close the gap A (the gap between the upper an lower outdoor units) to prevent the discharged air from being bypassed.
Don not stack more than two units.



(E) Multiple rows of series installation (on the rooftop, etc.)

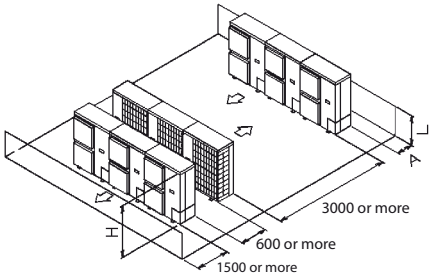
①One row of Stand-alone installation



② Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≦ H	0 < L ≦ 1/2 H	250
	1/2 H < L ≦ H	300
H < L	Can not be installed	



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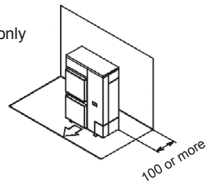
RXYSQ-8TY1

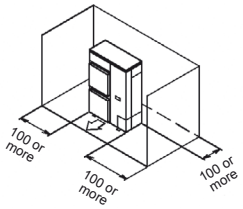
Required installation space

The unit of these values is mm.

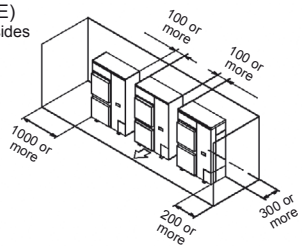
1. Where there is an obstacle on the suction side:
   (a) No obstacle above
      (1) Stand-alone installation
      • Obstacle on the suction side only



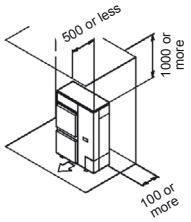
      • Obstacle on both sides



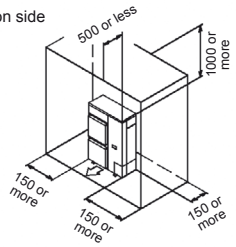
      (2) Series installation
      (2 or more) (NOTE)
      • Obstacle on both sides



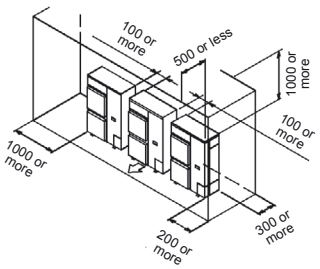
   (b) Obstacle above, too
      (1) Stand-alone installation
      • Obstacle on the suction side, too



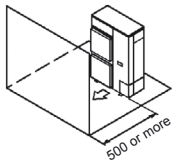
      • Obstacle on the suction side and both sides



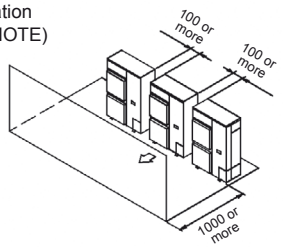
      (2) Series installation
      (2 or more) (NOTE)
      • Obstacle on the suction side and both sides



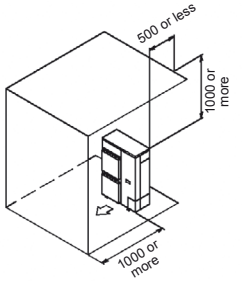
2. Where there is an obstacle on the discharge side:
   (a) No obstacle above
      (1) Stand-alone installation



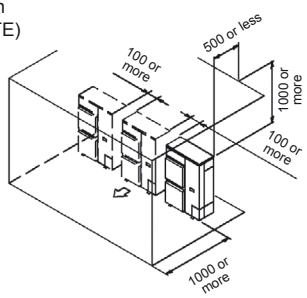
      (2) Series installation
      (2 or more) (NOTE)



   (b) Obstacle above, too
      (1) Stand-alone installation



      (2) Series installation
      (2 or more) (NOTE)

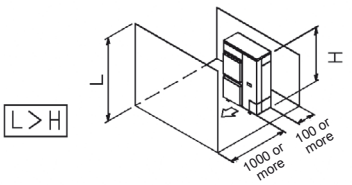


3. Where there are obstacles on both suction and discharge sides:

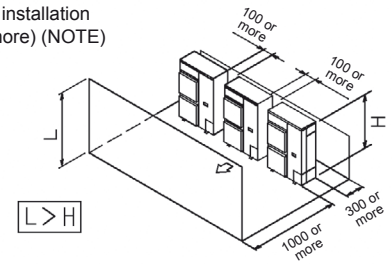
Pattern 1

Where the obstacle on the discharge side is higher than the unit:
(There is no height limit for obstructions on the intake side)

   (a) No obstacle above
      (1) Stand-alone installation



      (2) Series installation
      (2 or more) (NOTE)



NOTE

When install the units in a line, have to leave the distance over 100 mm between the two units.

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RXYSQ-8TY1

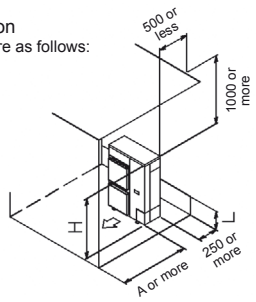
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L≤H	0 < L ≤ 1/2 H	1000
	1/2 H < L ≤ H	1250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

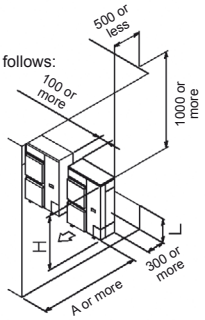


(2) Series installation (2 or more) (NOTE)

The relations between H, A and L are as follows:

	L	A
L≤H	0 < L ≤ 1/2 H	1000
	1/2 H < L ≤ H	1250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series.



Pattern 2

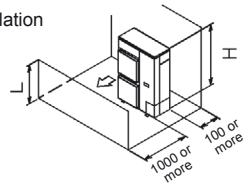
Where the obstacle on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side)

(a) No obstacle above

(1) Stand-alone installation

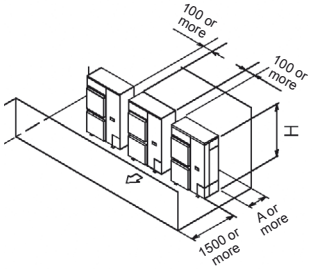
L≤H



(2) Series installation (2 or more) (NOTE)

The relations between H, A and L are as follows:

L	A
0 < L ≤ 1/2 H	250
1/2 H < L ≤ H	300



(b) Obstacle above, too

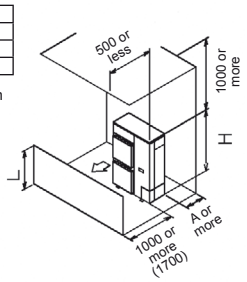
(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L≤H	0 < L ≤ 1/2 H	100
	1/2 H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

If the distance exceeds the figure in the ( ), then it's no need to set the stand.



(2) Series installation (NOTE)

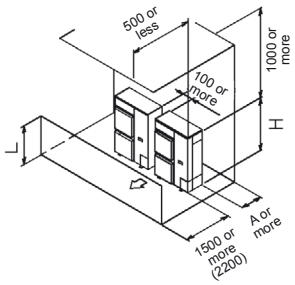
The relations between H, A and L are as follows:

	L	A
L≤H	0 < L ≤ 1/2 H	250
	1/2 H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.

If the distance exceeds the figure in the ( ), then it's no need to set the stand.



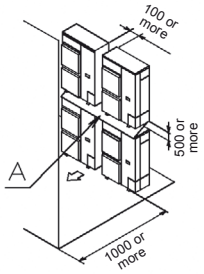
4. Double-decker installation

(a) Obstacle on the discharge side (NOTE). Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two units.

Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer one and the board.

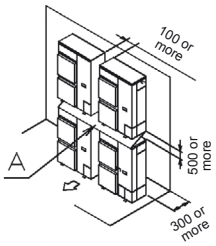


(b) Obstacle on the suction side (NOTE). Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two units.

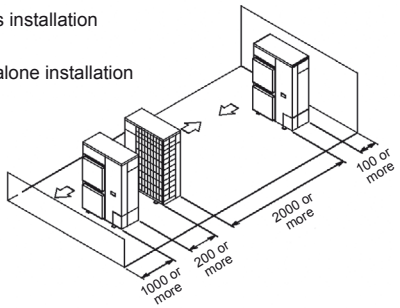
Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer one and the board.



5. Multiple rows of series installation (on the rooftop, etc.)

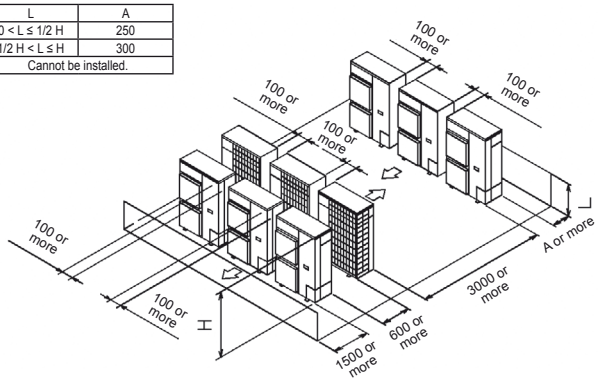
(a) One row of stand-alone installation



(b) Rows of series installation (2 or more)

The relations between H, A and L are as follows:

	L	A
L≤H	0 < L ≤ 1/2 H	250
	1/2 H < L ≤ H	300
H < L	Cannot be installed.	



NOTE

When install the units in a line, have to leave the distance over 100 mm between the two units.

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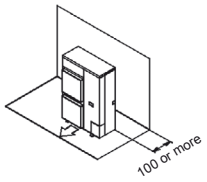
RXYSQ10-12TY1

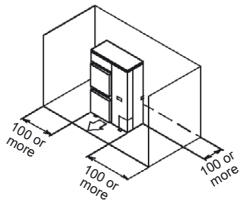
Required installation space

The unit of these values is mm.

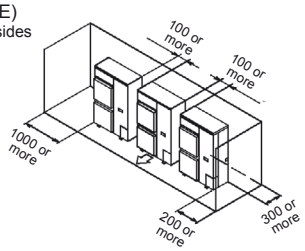
1. Where there is an obstacle on the suction side:
   (a) No obstacle above
      (1) Stand-alone installation
      • Obstacle on the suction side only



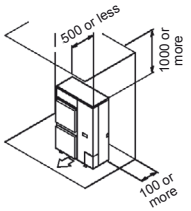
• Obstacle on both sides



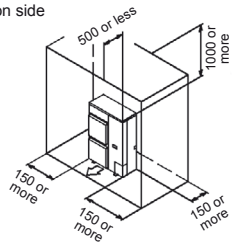
(2) Series installation
(2 or more) (NOTE)
• Obstacle on both sides



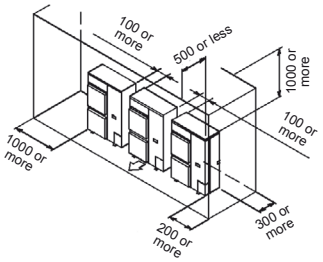
(b) Obstacle above, too
(1) Stand-alone installation
• Obstacle on the suction side, too



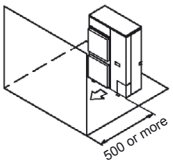
• Obstacle on the suction side and both sides



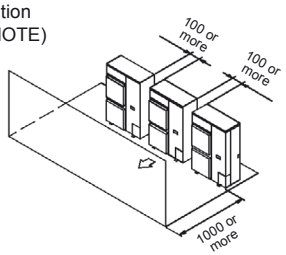
(2) Series installation
(2 or more) (NOTE)
• Obstacle on the suction side and both sides



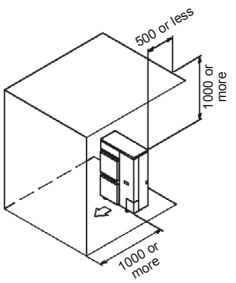
2. Where there is an obstacle on the discharge side:
   (a) No obstacle above
      (1) Stand-alone installation



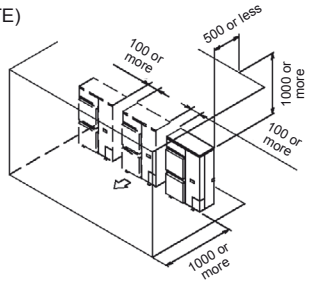
(2) Series installation
(2 or more) (NOTE)



(b) Obstacle above, too
(1) Stand-alone installation



(2) Series installation
(2 or more) (NOTE)

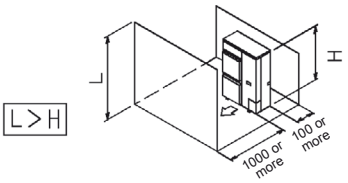


3. Where there are obstacles on both suction and discharge sides:

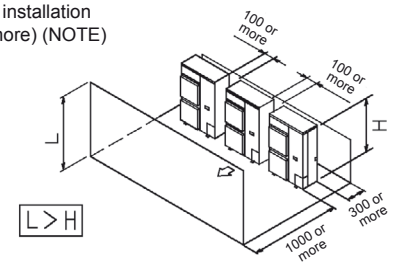
Pattern 1

Where the obstacle on the discharge side is higher than the unit:
(There is no height limit for obstructions on the intake side)

(a) No obstacle above
   (1) Stand-alone installation



(2) Series installation
(2 or more) (NOTE)



NOTE

When install the units in a line, have to leave the distance over 100 mm between the two units.

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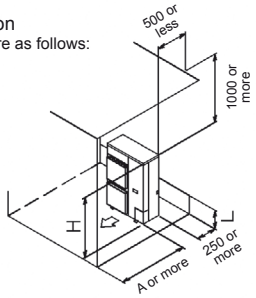
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2 H	1000
	1/2 H < L ≤ H	1250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

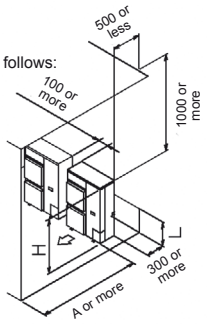


(2) Series installation (2 or more) (NOTE)

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2 H	1000
	1/2 H < L ≤ H	1250
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.
Only two units can be installed for this series



Pattern 2

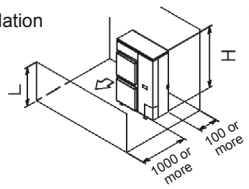
Where the obstacle on the discharge side is lower than the unit:

(There is no height limit for obstructions on the intake side)

(a) No obstacle above

(1) Stand-alone installation

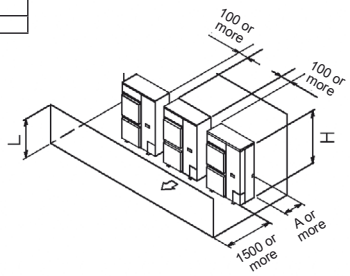
L ≤ H



(2) Series installation (2 or more) (NOTE)

The relations between H, A and L are as follows:

L	A
0 < L ≤ 1/2 H	250
1/2 H < L ≤ H	300



(b) Obstacle above, too

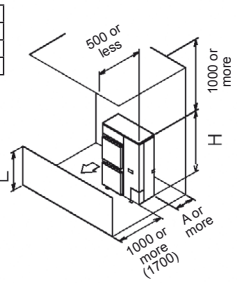
(1) Stand-alone installation

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2 H	100
	1/2 H < L ≤ H	200
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

If the distance exceeds the figure in the ( ), then it's no need to set the stand.



(2) Series installation (NOTE)

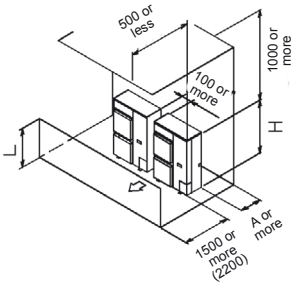
The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2 H	250
	1/2 H < L ≤ H	300
H < L	Set the stand as: L ≤ H.	

Close the bottom of the installation frame to prevent the discharged air from being bypassed.

Only two units can be installed for this series.

If the distance exceeds the figure in the ( ), then it's no need to set the stand.



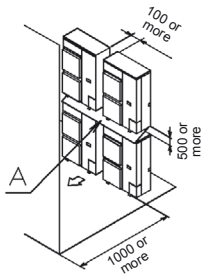
4. Double-decker installation

(a) Obstacle on the discharge side (NOTE). Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed:

Do not stack more than two units.

Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer

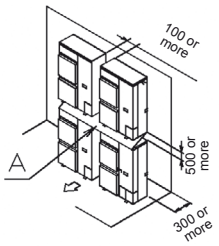


(b) Obstacle on the suction side (NOTE). Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed:

Do not stack more than two units.

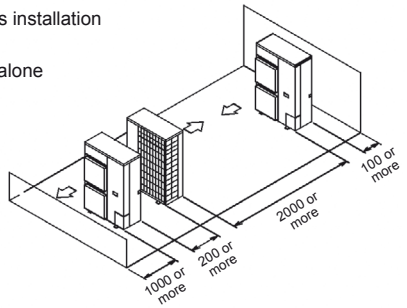
Set the board (field supply) as the detail A between two units to prevent the drainage from frozing.

Leave the enough space between the layer



5. Multiple rows of series installation (on the rooftop, etc.)

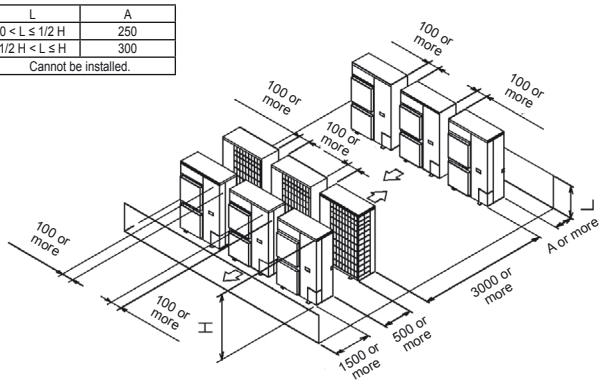
(a) One row of stand-alone installation



(b) Rows of series installation (2 or more)

The relations between H, A and L are as follows:

	L	A
L ≤ H	0 < L ≤ 1/2 H	250
	1/2 H < L ≤ H	300
H < L	Cannot be installed.	



NOTE

When install the units in a line, have to leave the distance over 100 mm between the two units.

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