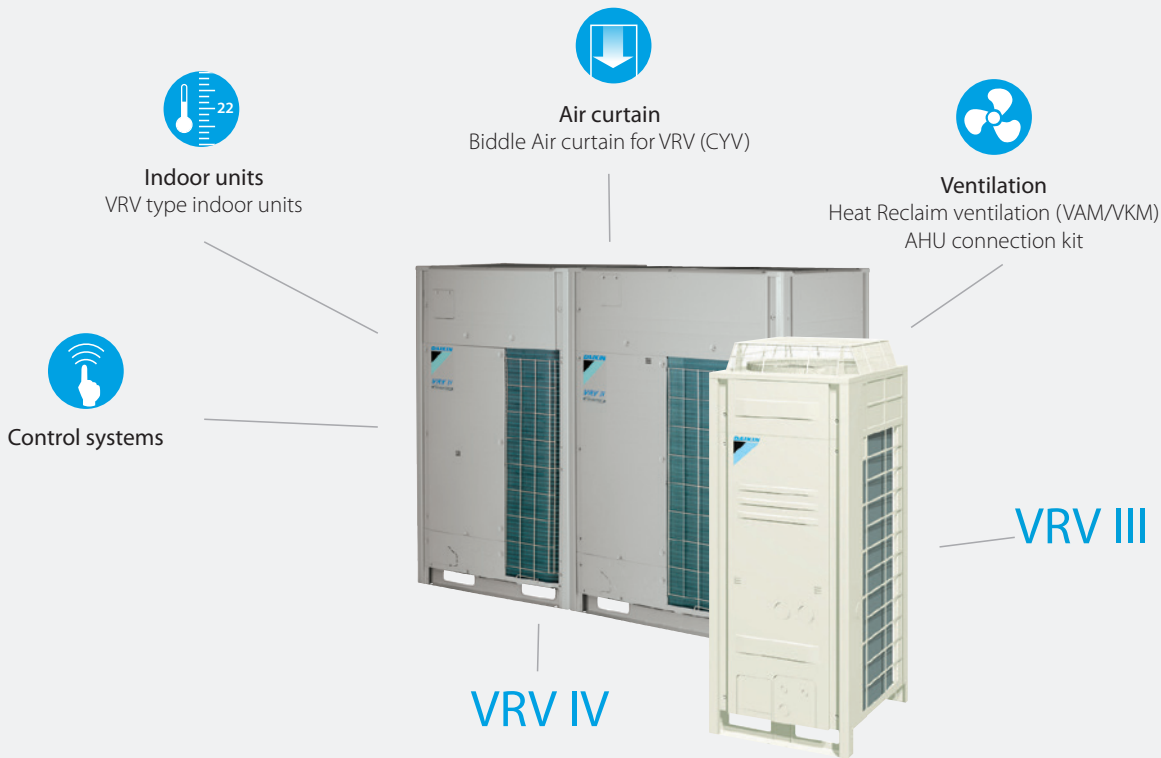


Replacement VRV



Quick and effective replacement for R-22 and R-407C systems



VRV IV Q-series

Heat pump

Variable refrigerant temperature

Customise your VRV for best seasonal efficiency & comfort



- › Automatic refrigerant charge
- › Night quiet mode
- › Low noise function
- › Full inverter compressors
- › Gas cooled PCB
- › 4 side heat exchanger
- › Reluctance brushless DC compressor
- › Sine wave DC inverter
- › DC fan motor
- › E-pass heat exchanger
- › I demand function
- › Manual demand function
- › 7 segment indicator

VRV III-Q

Heat pump & Heat recovery

- › Automatic refrigerant charge
- › Night quiet mode
- › Low noise function
- › Full inverter compressors
- › Reluctance brushless DC compressor
- › Sine wave DC inverter
- › DC fan motor
- › E-pass heat exchanger
- › I demand function
- › Manual demand function

Replacement technology



The quick, effective way to upgrade R-22 and R-407C systems

These benefits will convince your customer

Drastically improve your efficiency, comfort and reliability

Avoid loss of business

Replacing your VRV system now prevents unplanned, lengthy downtime of air conditioning systems. It also avoids loss of business for shops, complaints from guests in hotels, lower working efficiency and loss of tenants in offices.

Quick and easy installation

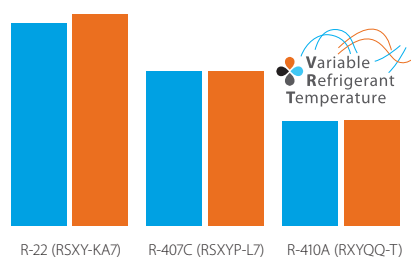
No interruption of daily business while replacing the system thanks to phased-in, fast installation.

Smaller footprint, greater performance

Thanks to a smaller footprint, Daikin outdoor units save space. Also, more indoor units can be connected to the new outdoor unit compared to the old system, allowing an increase in capacity.

Lower long-term costs

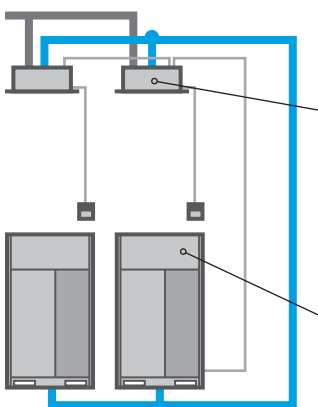
EU Directives prohibit system repairs with R-22 after January 1, 2015. Delaying the required R-22 replacement until an unplanned system breakdown is a losing game. Replacement day will come. Installing a technically advanced system lowers energy consumption and maintenance costs from day one.



Up to 48% less consumption

Comparison of 10HP systems:
■ Cooling mode
■ Heating mode

Keep your refrigerant piping



The Daikin low-cost upgrade solution

! Replace indoor units and BS boxes

Contact your local dealer to check compatibility in case you need to keep the indoor units.

! Replace outdoor units

Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.
- Japan/China have replaced with VRV Q-series already 10 years ago!

Umeda Center Building, Japan

- original A/C system: 20 years in use
- replacement with VRV Q-series: 2006 - 2009
- capacity up from 1620HP to 2322HP
- SHASE renewal award:





! Planning your replacement in future?

Monitor your system now!

Your building use might have changed over the years. Daikin can prepare you for an optimum replacement to maximise efficiency and comfort, while minimising the investment cost of your new system.

VRV-Q benefits to increase your profit

Optimise your business

Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems **NON DAIKIN** **DAIKIN**

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

Compare installation steps

Conventional solution

- 1 Recover refrigerant
- 2 Remove units
- 3 Remove refrigerant pipes
- 4 Install new piping and wiring
- 5 Install new units
- 6 Leak test
- 7 Vacuum drying
- 8 Refrigerant charging
- 9 Test operation

VRV-Q

- 1 Recover refrigerant
- 2 Remove units
- Re-use existing piping and wiring
- 3 Install new units
- 4 Leak test
- 5 Vacuum drying
- 6 Automatic refrigerant charging, cleaning and testing



Up to 45% shorter installation time

Automatic refrigerant charge

The unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and ensures that the system will operate perfectly. Not knowing the exact piping lengths no longer poses a problem.

Automatic pipe cleaning

There is no need to clean inside piping as this is handled automatically by the VRV-Q unit. Finally the test operation is performed automatically to save time.

One touch convenience:

- › Measure and charge refrigerant
- › Automatic pipe cleaning
- › Test operation



R-410A

RXYQQ-T (up to 20 hp)

VRV IV-Q condensing unit – heat pump



Outdoor Units			RXYQQ8T	RXYQQ10T	RXYQQ12T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ20T
Capacity	Nominal Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00	56.00
	Nominal Heating	kW	25.00	31.50	37.50	45.00	50.00	56.00	63.00
EER			4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER			7.53*	7.20*	6.96*	6.83*	6.50*	6.38*	5.67*
COP			4.54	4.27	4.12	4.02	3.91	3.89	3.71
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	930	930	1240	1240	1240	1240
	Depth	mm	765	765	765	765	765	765	765
Weight		kg	187	194	194	306	305	314	314
Air Flow Rate		m ³ /sec	2.700	2.917	3.083	3.717	3.883	4.183	4.350
External Static Pressure	High	Pa	78						
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415						
	Running Current	amps	8.4	11.5	14.2	17.2	20.6	23.4	29.5
	Starting Current	amps	4						
	Fuse Rating	amps	20	25	32	32	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A						
	Refrigerant Charge	kg	5.9	6.0	6.3	10.3	10.4	11.7	11.8
	Additional Charge	kg	data book						
Sound Pressure	Nom	dBA	58	58	61	61	64	65	66
Sound Power	Nom	dBA	78	79	81	81	86	86	88
Piping Limits	Maximum Length	m	120						
	Maximum Vertical Rise	m	50						
Piping Connections	Liquid	inch (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
	Gas	inch (mm)	3/4 (19)	7/8 (22.2)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)	1 1/8 (28.6)
Capacity Index Limit			100~260	125~325	150~390	175~455	200~520	225~585	250~650
Maximum Number of Connected Indoor Units			64	64	64	64	64	64	64

*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

R-410A

RXYQQ-T (22 to 28 hp)

VRV IV-Q condensing unit – heat pump



Outdoor Units			RXYQQ22T		RXYQQ24T		RXYQQ26T		RXYQQ28T	
			RXYQQ10T	RXYQQ12T	RXYQQ8T	RXYQQ16T	RXYQQ12T	RXYQQ14T	RXYQQ12T	RXYQQ16T
Capacity	Nominal Cooling	kW	61.50		67.40		73.50		78.50	
	Nominal Heating	kW	69.00		75.00		82.50		87.50	
EER			3.78		3.70		3.68		3.57	
ESEER			7.07*		6.81*		6.89*		6.69*	
COP			4.19		4.10		4.06		4.00	
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	930	930	1240	930	1240	930	1240
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	194	194	187	305	194	306	194	305
Air Flow Rate		m ³ /sec	2.917	3.083	2.100	3.883	3.083	3.717	3.083	3.883
External Static Pressure	High	Pa	78							
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	11.5	14.2	8.4	20.6	14.2	17.2	14.2	20.6
	Starting Current	amps	4							
	Fuse Rating	amps	25	32	20	40	32	32	32	40
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	6.0	6.3	5.29	10.4	6.3	10.3	6.3	10.4
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	58	61	58	64	61	61	61	64
Sound Power	Nom	dBA	79	81	78	86	81	81	81	86
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	5/8 (15.9)		5/8 (15.9)		3/4 (19)		3/4 (19)	
	Gas	inch (mm)	1 1/8 (28.6)		1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)	
Capacity Index Limit			275~715		300~780		325~845		350~910	
Maximum Number of Connected Indoor Units			64		64		64		64	

*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

R-410A

RXYQQ-T (30 to 36 hp)

VRV IV-Q condensing unit – heat pump



Outdoor Units			RXYQQ30T		RXYQQ32T		RXYQQ34T		RXYQQ36T	
			RXYQQ12T	RXYQQ18T	RXYQQ16T	RXYQQ16T	RXYQQ16T	RXYQQ18T	RXYQQ16T	RXYQQ20T
Capacity	Nominal Cooling	kW	83.50		90.00		95.00		101.00	
	Nominal Heating	kW	93.50		100.00		106.00		113.00	
EER			3.53		3.50		3.40		3.20	
ESEER			6.60*		6.50*		6.44*		6.02*	
COP			3.98		3.90		3.90		3.80	
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685
	Width	mm	930	1240	1240	1240	1240	1240	1240	1240
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	194	314	305	305	305	314	305	314
Air Flow Rate		m ³ /sec	3.083	4.183	3.883	3.883	3.883	4.183	3.883	4.350
External Static Pressure	High	Pa	78							
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415							
	Running Current	amps	14.2	23.4	20.6	20.6	20.6	23.4	20.6	29.5
	Starting Current	amps	4							
	Fuse Rating	amps	32	40	40	40	40	40	40	50
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	6.3	11.7	10.4	10.4	10.4	11.7	10.4	11.8
	Additional Charge	kg	data book							
Sound Pressure	Nom	dBA	61	65	64	64	64	65	64	66
Sound Power	Nom	dBA	81	86	86	86	86	86	86	88
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	3/4 (19)		3/4 (19)		3/4 (19)		3/4 (19)	
	Gas	inch (mm)	1 3/8 (34.9)		1 3/8 (34.9)		1 3/8 (34.9)		1 5/8 (41.3)	
Capacity Index Limit			375~975		400~1040		425~1105		450~1170	
Maximum Number of Connected Indoor Units			64		64		64		64	

*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

R-410A

RXYQQ-T (38 to 42 hp)

VRV IV-Q condensing unit – heat pump



VRV Outdoor Units

Outdoor Units			RXYQQ38T			RXYQQ40T			RXYQQ42T		
			RXYQQ8T	RXYQQ10T	RXYQQ20T	RXYQQ10T	RXYQQ12T	RXYQQ18T	RXYQQ10T	RXYQQ16T	RXYQQ16T
Capacity	Nominal Cooling	kW	106.40			111.50			118.00		
	Nominal Heating	kW	119.50			125.00			131.50		
EER			3.43			3.61			3.54		
ESEER			6.36*			6.74*			6.65*		
COP			4.00			4.05			3.99		
Dimensions	Height	mm	1685	1685	1685	1685	1685	1685	1685	1685	
	Width	mm	930	930	1240	930	930	1240	930	1240	
	Depth	mm	765	765	765	765	765	765	765	765	
Weight		kg	187	194	314	194	194	314	194	305	
Air Flow Rate		m ³ /sec	2.100	2.917	4.350	2.917	3.083	4.183	2.917	3.883	
External Static Pressure	High	Pa	78								
Electrical Details	Power Supply	Phase / Hz / V	3 / 50 / 380~415								
	Running Current	amps	8.4	11.5	29.5	11.5	14.2	23.4	11.5	20.6	
	Starting Current	amps	4								
	Fuse Rating	amps	20	25	50	25	32	40	25	40	
Refrigerant Circuit	Refrigerant Type		R410A								
	Refrigerant Charge	kg	5.9	6.0	11.8	6.0	6.3	11.7	6.0	10.4	
	Additional Charge	kg	data book								
Sound Pressure	Nom	dBA	58	58	66	58	61	65	58	64	
Sound Power	Nom	dBA	78	79	88	79	81	86	79	86	
Piping Limits	Maximum Length	m	120								
	Maximum Vertical Rise	m	50								
Piping Connections	Liquid	inch (mm)	3/4 (19)			3/4 (19)			3/4 (19)		
	Gas	inch (mm)	1 5/8 (41.3)			1 5/8 (41.3)			1 5/8 (41.3)		
Capacity Index Limit			475~1235			500~1300			525~1365		
Maximum Number of Connected Indoor Units			64			64			64		

*The AUTOMATIC ESEER value corresponds with normal VRV IV Heat Pump operation, taking into account advanced energy saving operation functionality (variant refrigerant temperature control operation).

R-410A

RQCEQ-P3 (28.0 to 45.0 kW)

VRV III-Q condensing unit – heat recovery



Outdoor Units			RQCEQ280P3			RQCEQ360P3			RQCEQ460P3		
			RQEQ140P3	RQEQ140P3	RQEQ180P3	RQEQ180P3	RQEQ140P3	RQEQ140P3	RQEQ180P3		
Capacity	Nominal Cooling	kW	28.00			36.00			45.00		
	Nominal Heating	kW	32.00			40.00			52.00		
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680	
	Width	mm	635	635	635	635	635	635	635	635	
	Depth	mm	765	765	765	765	765	765	765	765	
Weight		kg	175	175	175	175	175	175	175	175	
Air Flow Rate		m ³ /sec	1.583	1.583	1.833	1.833	1.583	1.583	1.583	1.833	
External Static Pressure	High	Pa	78			78			78		
Electrical Details	Power Supply	Phase							3ph		
		Hz							50		
		V							380~415		
		Running Current	amps	5.5	5.5	8.0	8.0	5.5	5.5	8.0	
Starting Current	amps	4			4			4			
Fuse Rating	amps	15	15	20	20	15	15	20			
Refrigerant Circuit	Refrigerant Type								R410A		
	Refrigerant Charge	kg	10.3	10.3	10.6	10.6	10.3	10.3	10.6		
	Additional Charge	kg							data book		
Sound Pressure	Nom	dBa	54	54	58	58	54	54	58		
Piping Limits	Maximum Length	m	120			120			120		
	Maximum Vertical Rise	m							50		
Piping Connections	Liquid	inch (mm)	3/8 (9.5)			1/2 (12.7)			1/2 (12.7)		
	Gas	inch (mm)	7/8 (22.2)			1 (25)			1 1/8 (28.6)		
	Discharge	inch (mm)	3/4 (19)			3/4 (19)			7/8 (22.2)		
Capacity Index Limit			140~364			180~468			230~598		
Maximum Number of Connected Indoor Units			21			28			34		

R-410A

RQCEQ-P3 (50.0 to 63.6 kW)

VRV III-Q condensing unit – heat recovery



Outdoor Units			RQCEQ500P3			RQCEQ540P3			RQCEQ636P3		
			RQEQ140P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ180P3	RQEQ212P3	RQEQ212P3	RQEQ212P3
Capacity	Nominal Cooling	kW	50.00			54.00			63.60		
	Nominal Heating	kW	56.00			60.00			67.20		
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680	
	Width	mm	635	635	635	635	635	635	635	635	
	Depth	mm	765	765	765	765	765	765	765	765	
Weight		kg	175	175	175	175	175	179	179	179	
Air Flow Rate		m ³ /sec	1.583	1.833	1.833	1.833	1.833	1.833	1.833	1.833	
Electrical Details	Power Supply	Phase							3ph		
		Hz							50		
		V							380~415		
		Running Current	amps	5.5	8.0	8.0	8.0	8.0	8.0	11.5	11.5
Starting Current	amps	4			4			4			
Fuse Rating	amps	15	20	20	20	20	20	20	20	20	
Refrigerant Circuit	Refrigerant Type								R410A		
	Refrigerant Charge	kg	10.3	10.6	10.6	10.6	10.6	10.6	11.2	11.2	11.2
	Additional Charge	kg							data book		
Sound Pressure	Nom	dBa	54	58	58	58	58	60	60	60	
Piping Limits	Maximum Length	m							120		
	Maximum Vertical Rise	m							50		
Piping Connections	Liquid	inch (mm)	5/8 (15.9)			5/8 (15.9)			5/8 (15.9)		
	Gas	inch (mm)	1 1/8 (28.6)			1 1/8 (28.6)			1 1/8 (28.6)		
	Discharge	inch (mm)	7/8 (22.2)			7/8 (22.2)			1 (25)		
Capacity Index Limit			250~650			270~702			318~827		
Maximum Number of Connected Indoor Units			39			43			47		

R-410A

RQCEQ-P3 (71.2 to 74.4 kW)

VRV III-Q condensing unit – heat recovery



Outdoor Units			RQCEQ712P3				RQCEQ744P3			
			RQE140P3	RQE180P3	RQE180P3	RQE212P3	RQE140P3	RQE180P3	RQE212P3	RQE212P3
Capacity	Nominal Cooling	kW	71.20				74.40			
	Nominal Heating	kW	78.40				80.80			
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680
	Width	mm	635	635	635	635	635	635	635	635
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	175	175	175	179	175	175	179	179
Air Flow Rate		m ³ /sec	1.583	1.833	1.833	1.833	1.583	1.833	1.833	1.833
Electrical Details	Power Supply	Phase	3ph							
		Hz	50							
		V	350~415							
	Running Current	amps	5.5	8.0	8.0	11.5	5.5	8.0	11.5	11.5
	Starting Current	amps	4				4			
	Fuse Rating	amps	15	20	20	20	15	20	20	20
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	10.3	10.6	10.6	11.2	10.3	10.6	11.2	11.2
	Additional Charge	kg	data book							
Sound Pressure	Nom	dB(A)	54	58	58	60	54	58	60	60
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	5/8 (15.9)				3/4 (19)			
	Gas	inch (mm)	1 1/8 (28.6)				1 3/8 (34.9)			
	Discharge	inch (mm)	1 (25)				1 (25)			
Capacity Index Limit			356~926				372~967			
Maximum Number of Connected Indoor Units			52				56			

R-410A

RQCEQ-P3 (81.6 to 84.8 kW)

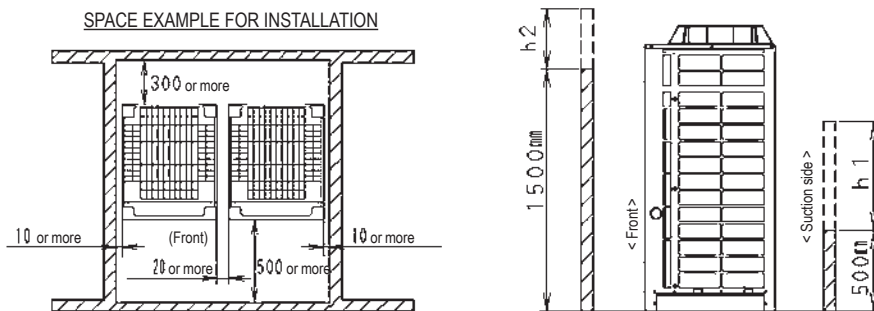
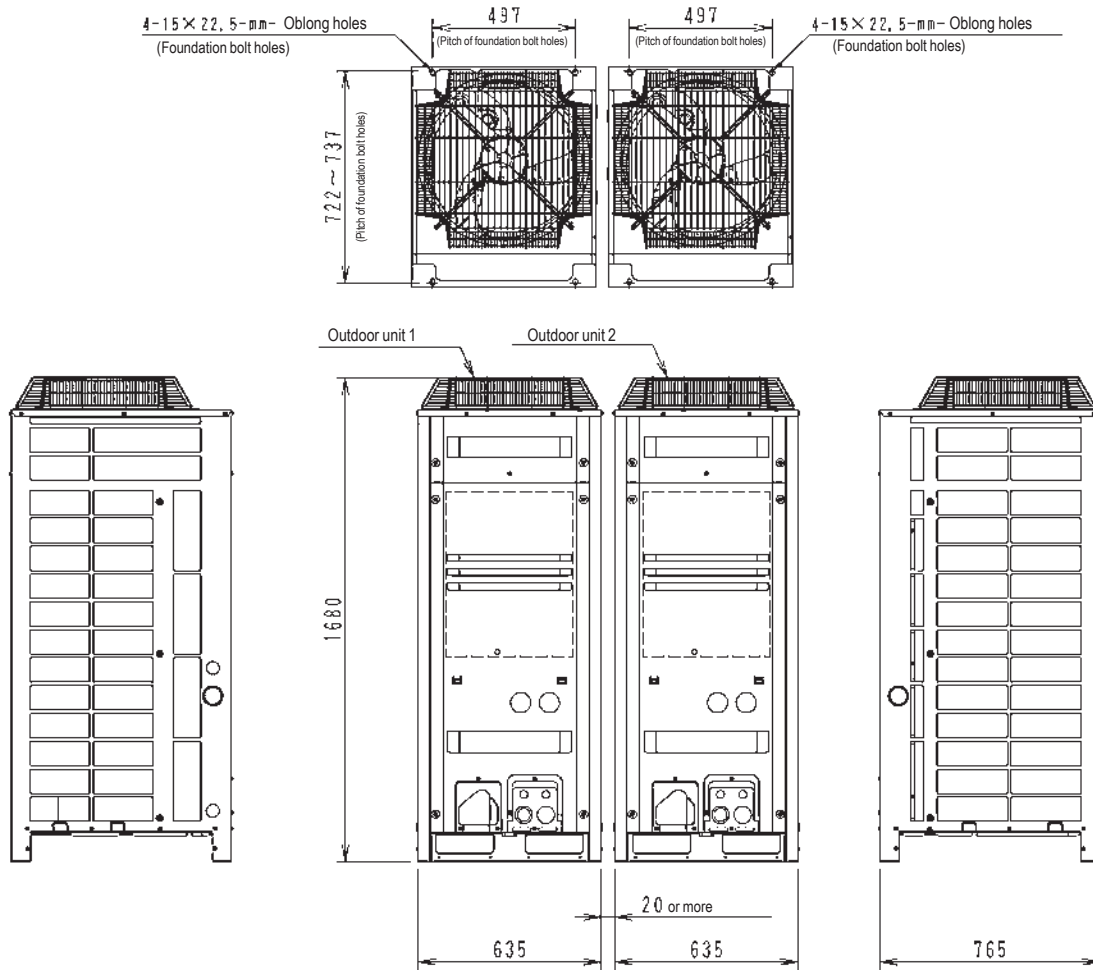
VRV III-Q condensing unit – heat recovery



VRV Outdoor Units

Outdoor Units			RQCEQ816P3				RQCEQ848P3			
			RQE180P3	RQE212P3	RQE212P3	RQE212P3	RQE212P3	RQE212P3	RQE212P3	RQE212P3
Capacity	Nominal Cooling	kW	81.60				84.80			
	Nominal Heating	kW	87.20				89.60			
Dimensions	Height	mm	1680	1680	1680	1680	1680	1680	1680	1680
	Width	mm	635	635	635	635	635	635	635	635
	Depth	mm	765	765	765	765	765	765	765	765
Weight		kg	175	179	179	179	179	179	179	179
Air Flow Rate		m ³ /sec	1.833	1.833	1.833	1.833	1.833	1.833	1.833	1.833
Electrical Details	Power Supply	Phase	3ph							
		Hz	50							
		V	380~415							
	Running Current	amps	8.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5
	Starting Current	amps	4				4			
	Fuse Rating	amps	20	20	20	20	20	20	20	20
Refrigerant Circuit	Refrigerant Type		R410A							
	Refrigerant Charge	kg	10.6	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	Additional Charge	kg	data book							
Sound Pressure	Nom	dB(A)	58	60	60	60	60	60	60	60
Piping Limits	Maximum Length	m	120							
	Maximum Vertical Rise	m	50							
Piping Connections	Liquid	inch (mm)	3/4 (19)				3/4 (19)			
	Gas	inch (mm)	1 3/8 (34.9)				1 3/8 (34.9)			
	Discharge	inch (mm)	1 1/8 (28.6)				1 1/8 (28.6)			
Capacity Index Limit			408~1061				424~1102			
Maximum Number of Connected Indoor Units			60				64			

RQCEQ280-360P



Model name	Outdoor unit 1	Drawing N°.	Outdoor Unit 2	Drawing N°.
RQCEQ280P3	RQEQ140P3	3D066441A	RQEQ140P3	3D066441A
RQCEQ360P3	RQEQ180P3	3D066441A	RQEQ180P3	3D066441A

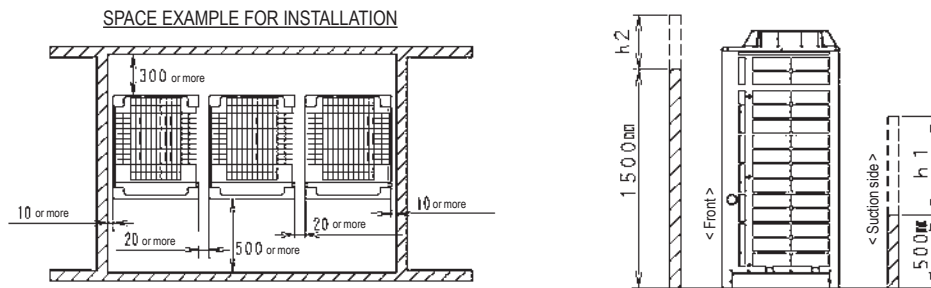
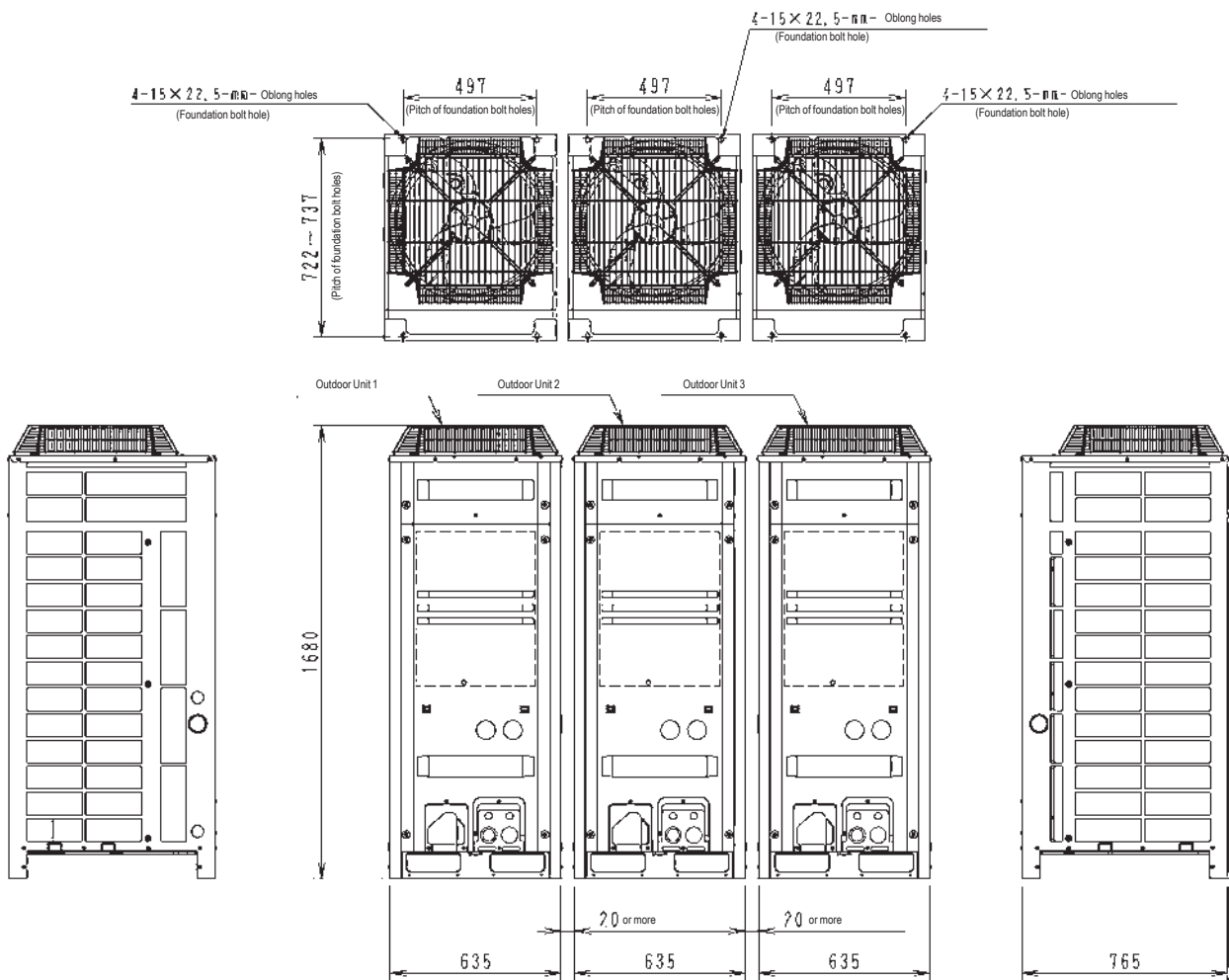
Unit:mm

NOTES

- Heights of walls
 Front: 1500mm
 Suction side: 500mm
 Side: Height unrestricted
 The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
 The installation space of suction side shown above must be expanded in the following case.
 - Design outdoor temperature becomes over 35°C.
 - Operating over Max. operating load
 (In case of causing a heavy heating load at indoor unit side)
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
- When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

3D066856A

RQCEQ460-636P



Unit:mm

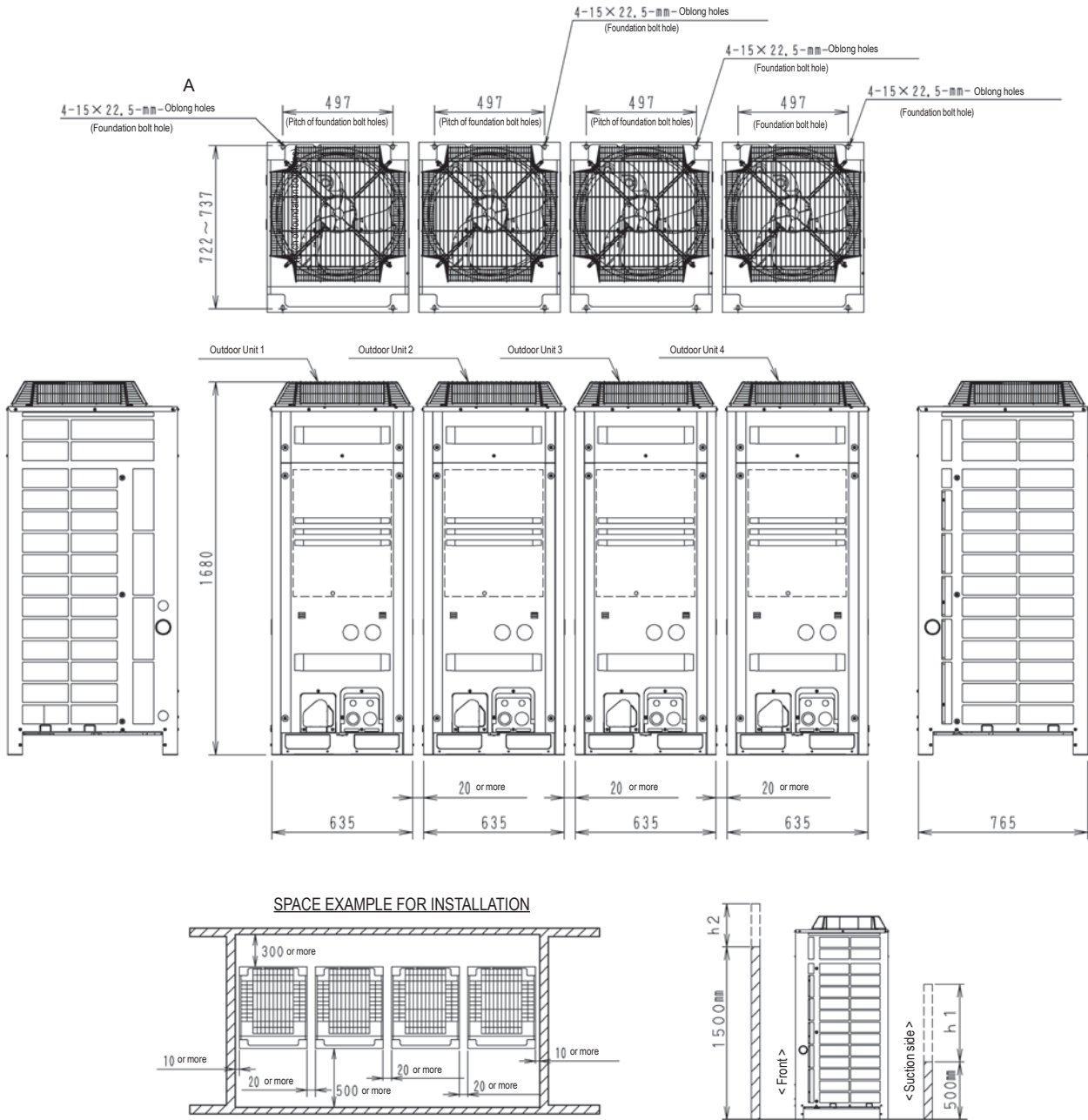
Model name	Outdoor unit 1	Drawing N°	Outdoor Unit 2	Drawing N°	Outdoor unit 1	Drawing N°
RQCEQ460P3	RREQ180P3	3D066441A	RREQ140P3	3D066441A	RREQ140P3	3D066441A
RQCEQ500P3	RREQ180P3	3D066441A	RREQ180P3	3D066441A	RREQ140P3	3D066441A
RQCEQ540P3	RREQ180P3	3D066441A	RREQ180P3	3D066441A	RREQ180P3	3D066441A
RQCEQ636P3	RREQ212P3	3D066441A	RREQ212P3	3D066441A	RREQ212P3	3D066441A

NOTES

- Heights of walls
Front: 1500mm
Suction side: 500mm
Side: Height unrestricted
The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
The installation space of suction side shown above must be expanded in the following case.
- Design outdoor temperature becomes over 35°C.
- Operating over Max. operating load
(In case of causing a heavy heating load at indoor unit side)
- If the above wall heights are exceeded then h/2 and h/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
- When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

3D066860A

RQCEQ721-848P



Unit: mm

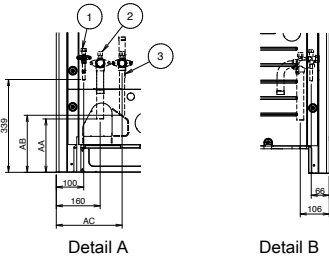
Model name	Outdoor unit 1	Drawing N°.	Outdoor Unit 2	Drawing N°.	Outdoor unit 3	Drawing N°.	Outdoor unit 4	Drawing N°.
RQCEQ712P3	RQE212P3	3D066441A	RQE2180P3	3D0664413	RQE2180PA	3D066441A	RQE2140P3	3D066441A
RQCEQ744P3	RQE212P3	3D066441A	RQE212P3	3D0664413	RQE2180PA	3D066441A	RQE2140P3	3D066441A
RQCEQ816P3	RQE212P3	3D066441A	RQE212P3	3D0664413	RQE212PA	3D066441A	RQE2180P3	3D066441A
RQCEQ848P3	RQE212P3	3D066441A	RQE212P3	3D0664413	RQE212PA	3D066441A	RQE212P3	3D066441A

NOTES

- Heights of walls
 Front: 1500mm
 Suction side: 500mm
 Side: Height unrestricted
 The installation space shown in this figure is based on the condition of cooling operation at the outdoor air temperature of 35°C.
 The installation space of suction side shown above must be expanded in the following case.
 - Design outdoor temperature becomes over 35°C.
 - Operating over Max. operating load
 (In case of causing a heavy heating load at indoor unit side)
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the following figure.
- When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

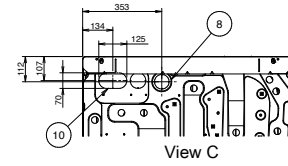
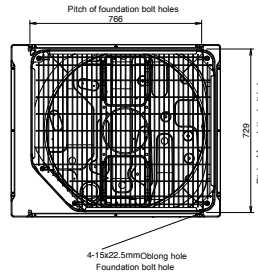
3D066865A

RXYQQ8-12T

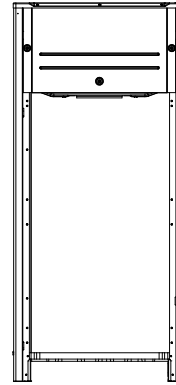
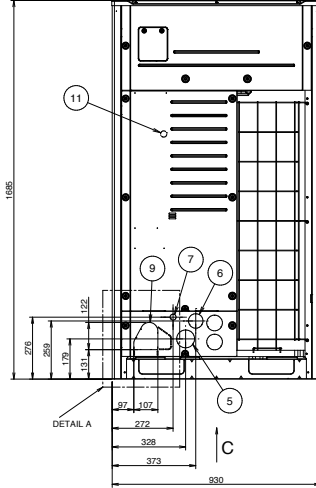
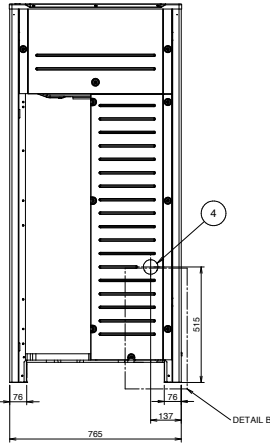


Detail A

Detail B



View C



Model	AA	AB	AC
RXYQ8T, RXYQ8T, RXYQQ8T	248	-	-
RXYQ10-12T, RXYQ10-12T, RXYQQ10-12T	195	-	-
RYMQ8T	248	208	240
REMQ8T, RYMQ10-12T, REYQ8-12T	195	208	240

Notes

- Detail A and detail B indicate the dimensions after fixing the attached piping.
- Items 4 - 10: Knockout hole.

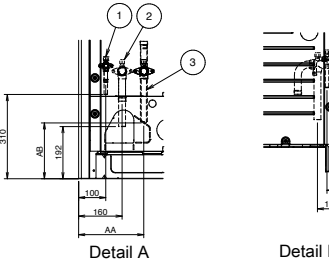
- Gas pipe
 - RXYQ8T, RYMQ8T, RXYQ8T, RXYQQ8T : Ø 19.1 brazing connec
 - RYQ10T, RYMQ10T, RXYQ10T, RXYQQ10T : Ø 22.2 brazing connec
 - REMQ8T, REYQ8-12T : Ø 25.4 brazing connec
 - RXYQ12T, RYMQ12T, RXYQ12T, RXYQQ12T : Ø 28.6 brazing connec

- Liquid pipe
- RXYQ8-10T, RYMQ8-10T, RXYQ8-10T, RXYQ8-10T, REMQ8T, REYQ8-12T : Ø 9.5 brazing connection
 - RXYQ12T, RYMQ12T, RXYQ12T, RXYQQ12T : Ø 12.7 brazing connection
- Equalising pipe
- RXYQ8-10T : Ø 19.1 brazing connection
 - RYMQ12T : Ø 22.2 brazing connection
- High pressure/low pressure gas pipe
- REMQ8T, REYQ8-12T : Ø 19.1 brazing connection

11	Grounding terminal	Inside of the switch box (M8)
10	Pipe routing hole (bottom)	
9	Pipe routing hole (front)	
8	Power cord routing hole (bottom)	Ø65
7	Power cord routing hole (front)	Ø27
6	Power cord routing hole (front)	Ø65
5	Power cord routing hole (front)	Ø80
4	Power cord routing hole (side)	Ø65
3	Equalising pipe connection port	See note 3.
	High pressure/low pressure gas pipe	
2	Gas pipe connection port	See note 3.
	Liquid pipe connection port	See note 3.
No.	Part name	Remark

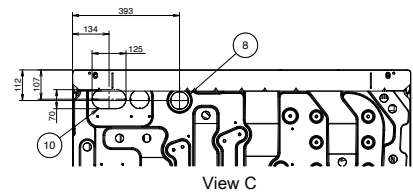
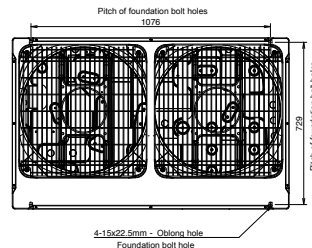
2D079532B

RXYQQ14-20T

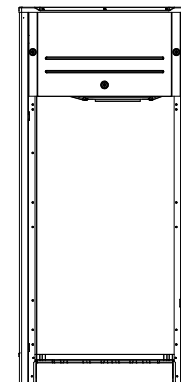
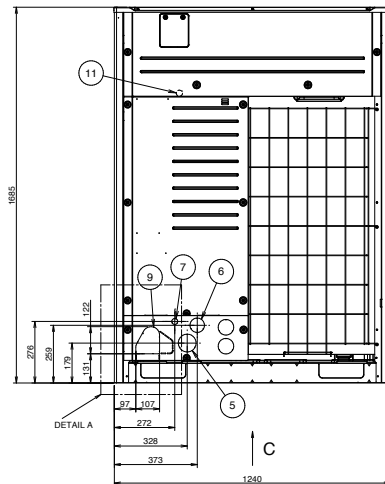
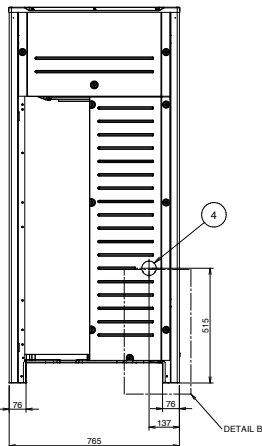


Detail A

Detail B



View C



Model	AA	AB
RYMQ14-16T, RXYQQ14-16T, REYQ14-20T	240	225
RYMQ18-20T, RXYQQ18-20T	240	210

Notes

- Detail A and detail B indicate the dimensions after fixing the attached piping.
- Items 4 - 10: Knockout hole.

- Gas pipe
 - REYQ14-20T : Ø 25.4 brazing connection
 - RYQ14-20T, RYMQ14-20T, RXYQ14-20T, RXYQQ14-20T : Ø 28.6 brazing connection
- Liquid pipe
 - RXYQ14-16T, RYMQ14-16T, RXYQ14-16T, REYQ14-20T : Ø 12.7 brazing connection
 - RXYQ18-20T, RYMQ18-20T, RXYQ18-20T, RXYQQ18-20T : Ø 15.9 brazing connection

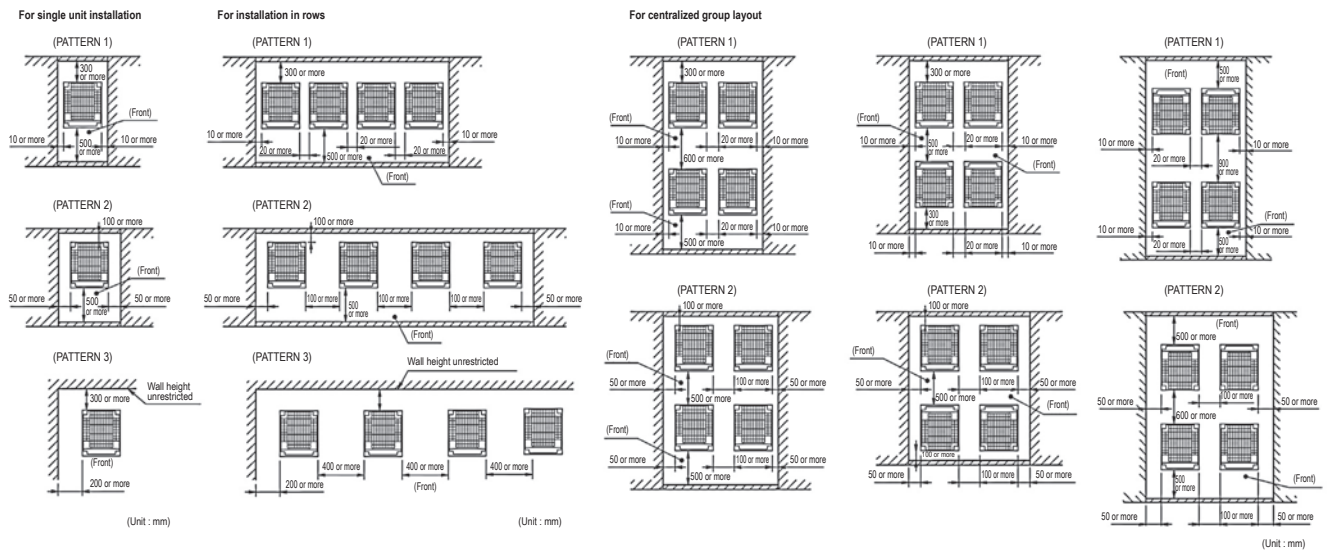
- Equalising pipe
- RYMQ14-16T : Ø 22.2 brazing connection
 - RYMQ18-20T : Ø 28.6 brazing connection
- High pressure/low pressure gas pipe
- REYQ14-20T : Ø 22.2 brazing connection

11	Grounding terminal	Inside of the switch box (M8)
10	Pipe routing hole (bottom)	
9	Pipe routing hole (front)	
8	Power cord routing hole (bottom)	Ø65
7	Power cord routing hole (front)	Ø27
6	Power cord routing hole (front)	Ø65
5	Power cord routing hole (front)	Ø80
4	Power cord routing hole (side)	Ø65
3	Equalising pipe connection port	See note 3.
	High pressure/low pressure gas pipe	
2	Gas pipe connection port	See note 3.
	Liquid pipe connection port	See note 3.
No.	Part name	Remark

2D079533B

RQYQ140P

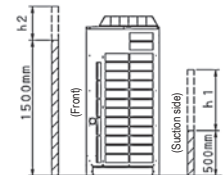
RQYQ140P



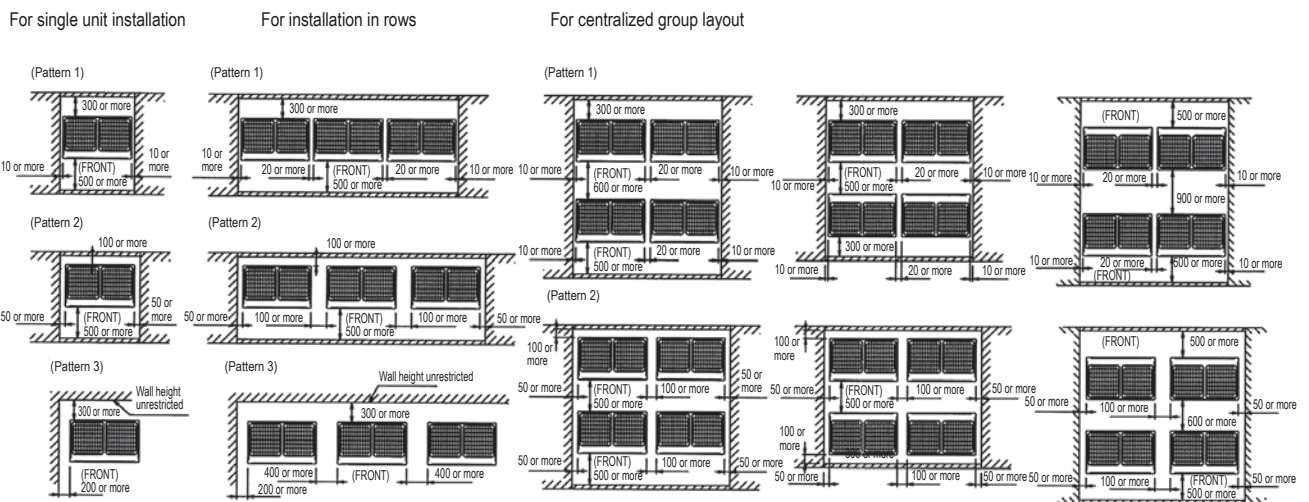
3D066327

NOTES

- Heights of walls in case of patterns 1 and 2: Front: 1500mm. Suction side: 500 mm. Side: Height unrestricted. Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
- When installing the units the most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough room for a person to pass between units and wall and for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layouts should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.



RXYQQ-T



VRV Outdoor Units

NOTES

3D079542

- Heights of walls in case of patterns 1 and 2:
Front: 1500mm
Suction side: 500mm
Side: Height unrestricted
Installation space as shown on this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space as shown on this drawing.
- If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
- When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available. Always keep in mind the need to leave enough space for a person to pass between units and wall and also for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
- The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

