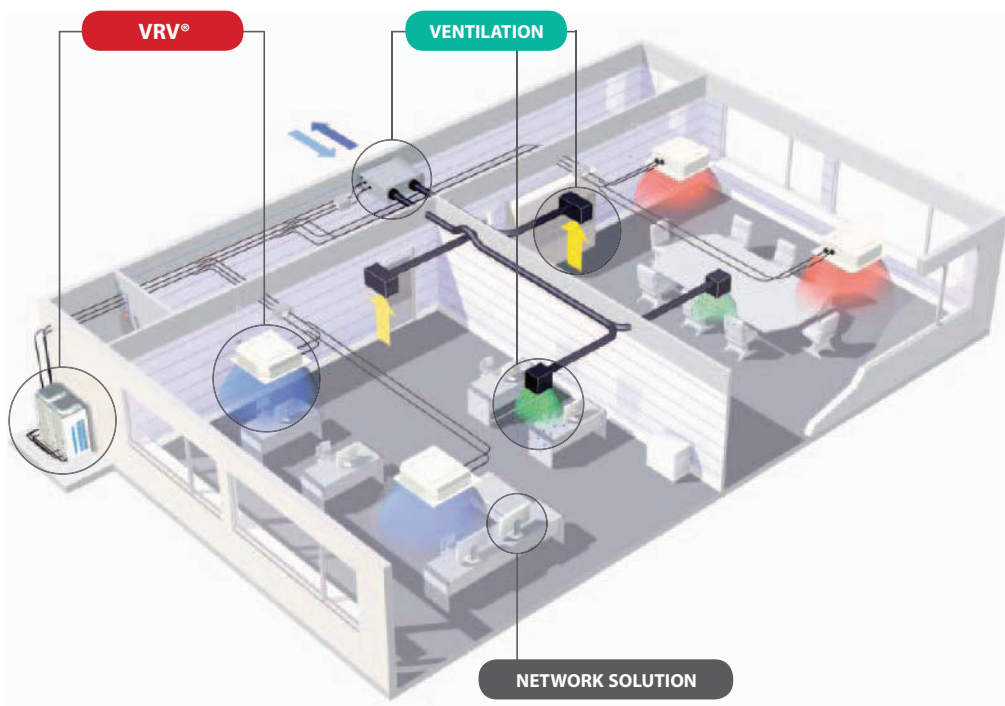
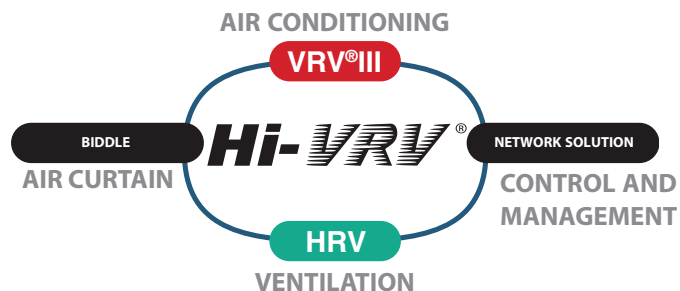


# WHAT IS *Hi-VRV*®?

It has become accepted practise in recent years for intelligent commercial buildings such as offices, hotels and major stores to feature large areas of glazing with attendant solar heating gains that can only be dissipated by means of air conditioning. Not surprisingly, air conditioning has grown in importance to a point where it is now perceived as an integral component of virtually all modern architectural concepts that seek to provide a balanced and comfortable indoor environment.

The increased use of electronic office equipment of course, raises thermal loadings still further and even in winter, internal temperatures can reach uncomfortable levels. The demand for cooling and/or heating can also vary considerably throughout the day and in different areas of the building depending on its orientation and number of occupants.



But end users have now come to expect far more from their indoor environment than just cooling and heating and the ideal and much sought after solution is a 'total indoor environment' system that is highly energy efficient, reliable and easy to operate and control. As well as providing efficient air conditioning via indoor units, it must also provide fresh air ventilation and ideally even warm air curtain heating. And all these disciplines must be underpinned by precise control via central management or individual systems.

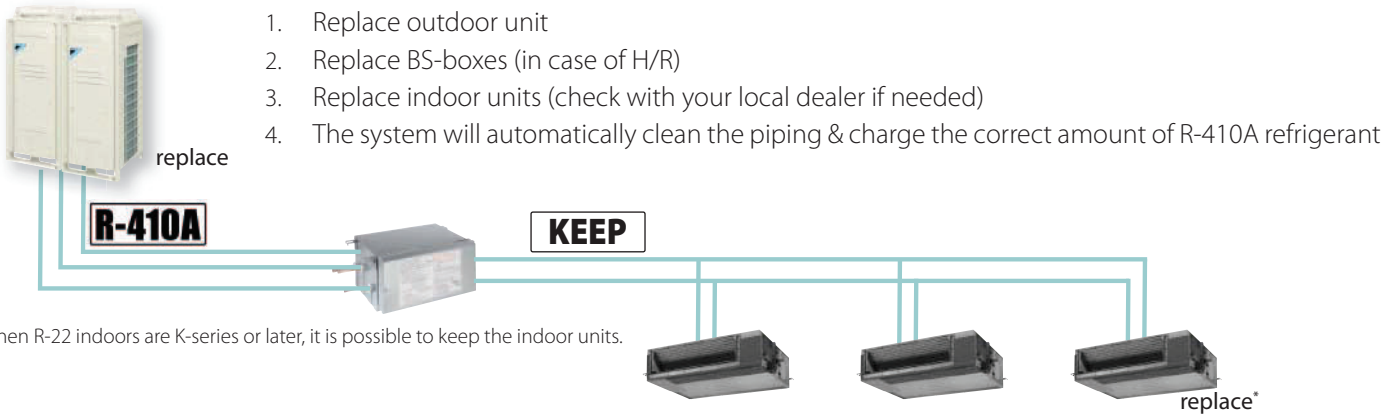
Only the Daikin Hi-VRV® system can adequately meet all these requirements.

The innovative Hi-VRV® selection programme meanwhile – Daikin's flagship software package – enables all the system's many possibilities to be exploited to the maximum on a step by step basis, guaranteeing the end user a complete and comprehensive service, unrivalled throughout the building services industry.



## THE DAIKIN SOLUTION TO R-22 PHASE-OUT

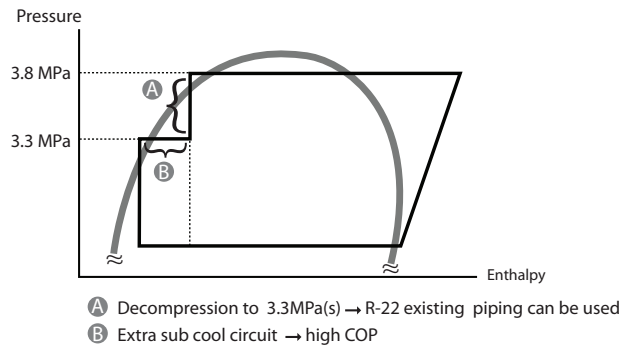
Replace your R-22 / R-407C outdoor unit with R-410A technology, but keep your refrigerant piping and in some cases your indoor units¹.



## TECHNOLOGIES OF VRV®III-Q?

### REDUCED PRESSURE

As R-22 VRV® systems used to work on a lower pressure than R-410A systems; thus the copper refrigerant piping was also designed for these lower pressures. Therefore the Replacement VRV® (VRV®III-Q) must operate at lower pressures than the standard VRV®III series. However thanks to the sub cool circuit a high efficiency level can be kept even with the lower pressures.

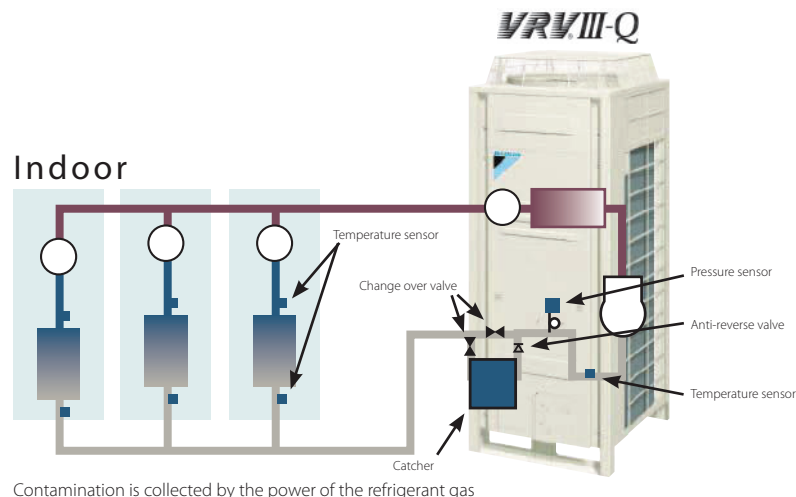


### REFRIGERANT PIPE CLEANING

When replacing an air conditioning system, the piping is normally replaced as well since traces of old refrigerant and oil mixed with the oil and refrigerant of the new system can cause the equipment to malfunction.

the outdoor unit and the contamination is deposited in the outdoor unit. Daikin is the first manufacturer in the industry to develop this combination of automatic charging and refrigerant pipe cleaning function.

In order to allow re-use of existing R-22 piping with an R-410A system Daikin developed a technology to capture and retain the contamination left in the refrigerant piping. The refrigerant including the remaining oil from the R-22 system is filtered in



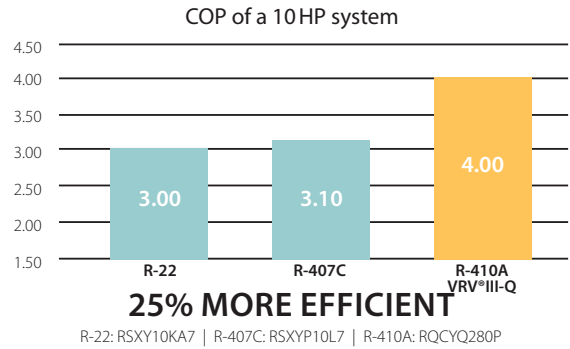
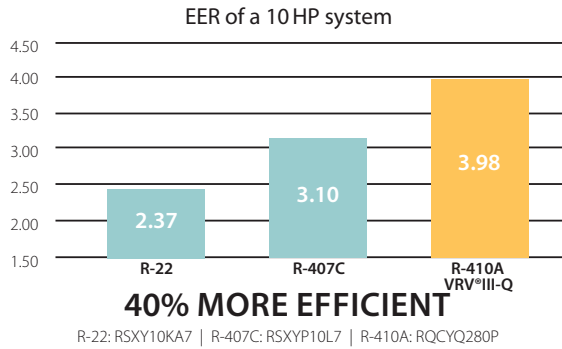
# FEATURES OF VRV®III-Q?

## INCREASED EFFICIENCY

Upgrading an old R-22 system to a Replacement VRV® system will result in increased system efficiency. Efficiency gains of more than 25% can be realized, by virtue of technological developments in heat pump technology and the more efficient R-410A refrigerant. Increased energy efficiency equals lower energy consumption, subsequent lower energy costs and lower CO<sub>2</sub> emissions.



**VRV®III-Q**



## ENVIRONMENTAL AWARENESS

R-410A not only has a zero ozone depletion potential, it is also proven to be more energy efficient than R-22.

## FAST INSTALLATION

It is not necessary to remove the existing piping and even the indoor units can remain (depending on type of indoor unit). The outdoor unit automatically charges the refrigerant and cleans the refrigerant piping. This unique Daikin feature makes the installation time even shorter.

## LIMITED AND PLANNED-DOWNTIME

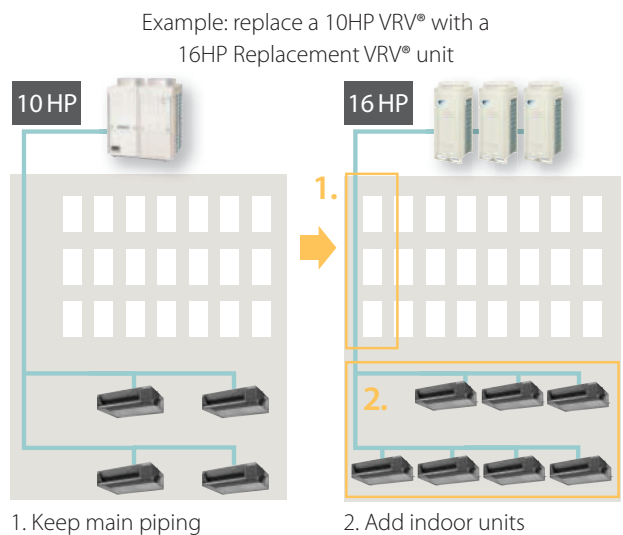
As the refrigerant piping can be maintained the installation is less intrusive and less time consuming than for a completely new system. Moreover, downtime can be carefully planned: whereas if a problem occurs when not enough reclaimed R-22 is available, a long and unplanned downtime can be the result.

## LIMITED AND PHASED INVESTMENT COST

It is possible to spread the various stages of replacement over a certain period of time because the indoor units can remain in most cases. The air conditioning replacement therefore, can be incorporated in the general refurbishment schedule of the building and the investment cost can be spread. A further reduction in installation cost can be achieved by maintaining the old refrigerant copper pipe work.

## INCREASE CAPACITY

Cooling loads often increase subsequent to the initial installation of the air conditioning system. The Replacement VRV® (VRV®III-Q) enables system capacity to be increased without changing the refrigerant piping (depending on system characteristics).



## NO RESTRICTIONS ON SYSTEM HISTORY

As a result of the combined automatic charging and refrigerant pipe cleaning function, it is possible to ensure a clean piping network, even when a compressor breakdown has previously occurred.

## BASE MODULES - HEAT RECOVERY - HEATING & COOLING

OUTDOOR UNITS				Heat Recovery			Heat Pump					
				RQEQ140P*	RQEQ180P*	RQEQ212P*	RQYQ140P*	RQYQ180P*	RQYP280A*	RQYP335A*	RQYP400A*	RQYP450A*
Capacity range			HP	5	6.5	7.5	5	6.5	10	12	14	16
Capacity	Cooling	Nominal	kW	14.0	18.0	21.2	14.0	18.0	RQYP280-450A can not be used in single combinations			
	Heating	Nominal	kW	16.0	20.0	22.4	16.0	20.0				
COP	Cooling	Nominal		3.98	3.48	2.89	3.98	3.48				
	Heating	Nominal		4.00	3.72	3.76	4.00	3.72				
Dimensions	Height		mm	1,680			1,680					
	Width		mm	635			635		930		1,240	
	Depth		mm	765			765					
Sound level			dBa	54	58	60	54	58	58	60	60	61
Weight			kg	175	175	179	175	175	292	292	384	384
Refrigerant				R-410A			R-410A					
Piping connections	Liquid		mm	9.5			9.5			12.7		
	Gas		mm	15.9	19.1		15.9	19.1	22.2	28.6		
	Discharge Gas		mm	12.7	15.9		-					

## HEAT RECOVERY COMBINATIONS

OUTDOOR UNITS				RQCEQ280P*	RQCEQ360P*	RQCEQ460P*	RQCEQ500P*	RQCEQ540P*	RQCEQ636P*	RQCEQ712P*	RQCEQ744P*	RQCEQ816P*	RQCEQ848P*
Capacity range			HP	10	13	16	18	20	22	24	26	28	30
Outdoor unit modules			140	2		2	1			1	1		
			180		2	1	2	3		2	1	1	
			212						3	1	2	3	4
Capacity	Cooling	Nominal	kW	28.0	36.0	46.0	50.0	54.0	63.6	71.2	74.4	81.6	84.8
	Heating	Nominal	kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
COP	Cooling	Nominal		3.98	3.48	3.77	3.61	3.48	2.90	3.36	3.19	3.01	2.90
	Heating	Nominal		4.00	3.72	3.89	3.80	3.72	3.79	3.80	3.81	3.77	3.79

## HEATING & COOLING COMBINATIONS

OUTDOOR UNITS				RQCYQ280P*	RQCYQ360P*	RQCYQ460P*	RQCYQ500P*	RQCYQ540P*	RQYP615A*	RQYP680A*	RQYP730A*	RQYP785A*	RQYP850A*	
Capacity range				10	13	16	18	20	22	24	26	28	30	
Outdoor unit modules			140	2		2	1							
			180		2	1	2	3						
			212							1	1	1		
			335							1			1	
			400								1			1
			450										1	1
Capacity	Cooling	Nominal	kW	28.0	36.0	46.0	50.0	54.0	61.5	68.0	73.0	78.5	85.0	
	Heating	Nominal	kW	32.0	40.0	52.0	56.0	60.0	69.0	76.5	81.5	87.5	95.0	
COP	Cooling	Nominal		3.98	3.48	3.77	3.61	3.48	3.47	3.54	3.44	3.31	3.37	
	Heating	Nominal		4.00	3.72	3.89	3.80	3.72	3.67	3.68	3.67	3.68	3.68	

\*Note: grey cells contain preliminary data

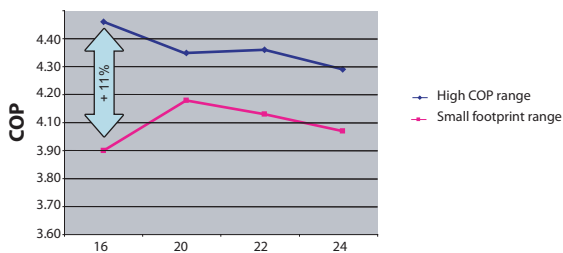




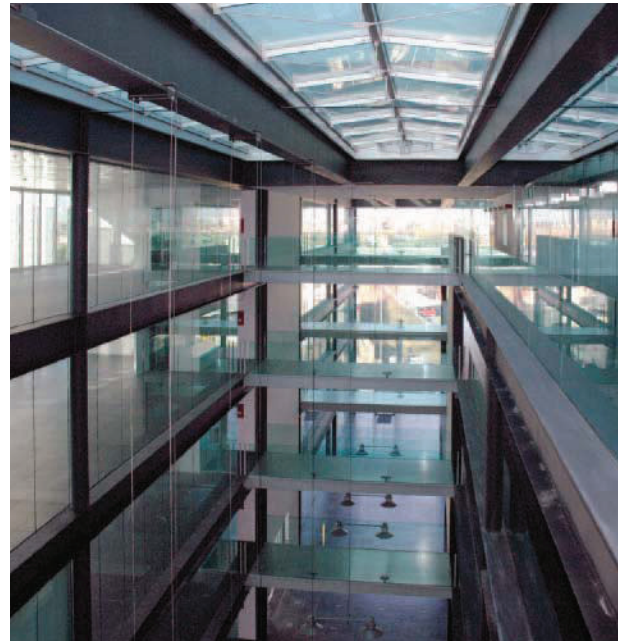
REYHQ24P



- Top energy efficiency in Daikin heat recovery range, thanks to the redesigned 8HP modular unit and newly developed 12HP high COP modular unit



- Wide range of indoor units: 15 different models in a total of 76 variations
- Continuous heating (resulting in a higher integrated heating capacity)
- 'High sensible mode', allows the VRV® system to work with increased sensible capacity in cooling mode resulting in higher efficiency and improved comfort
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV®III system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms
- Quick cool/heat change over
- Improved refrigerant containment check
- 2 steps in night quiet mode (step 1: 50 dBA; step 2: 45 dBA)
- Possibility to extend the operation range in cooling down to -20°C



## HEAT RECOVERY

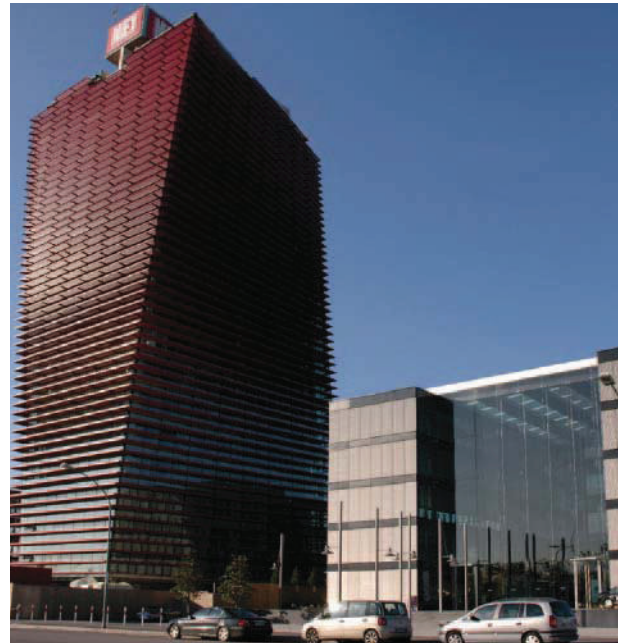
OUTDOOR UNITS				REYHQ16P	REYHQ20P	REYHQ22P	REYHQ24P
Outdoor unit modules				REMQ8P9	REMQ8P9	REMQ10P8	REMHQ12P8
Capacity	Cooling	Nominal	kW	45.0	56.0	61.5	67.0
		Nominal	kW	50.0	62.5	69.0	75.0
EER	Cooling	Nominal		4.29	4.04	3.84	3.89
		Nominal		4.36		4.24	4.37
Capacity range				16	20	22	24
Power input	Cooling	kW		10.5	13.9	16.0	17.2
		kW		11.5	14.3	16.3	17.2
Dimensions	Unit	Height	mm	1,680			
		Width	mm	930+930		930+1,240	
		Depth	mm	765			
Weight	Unit	kg		198 + 198	198 + 331	247 + 331	331 + 331
Sound Power	Cooling	Nominal	dB(A)	82	85		87
Sound Pressure	Cooling	Nominal	dB(A)	62	64		66
Operation Range	Cooling	Min~Max		-5~-43			
		Min~Max		-20~-15			
Refrigerant				R-410A			
Power Supply				3~/400V/50Hz			
Piping connections	Liquid (OD)	mm		12.7	15.9		
		mm		28.6		34.9	
	Max total length		1,000				
	Level difference OU-IU		50 (outdoor unit in highest position) (optional: 90)				
Max n° of indoor units to be connected				26	32	35	39



REYQ46-48P8

NEW

- > Increased EER/COP thanks to the redesigned 8 and 12HP stand alone units and 8HP modular unit
- > Wide outdoor unit range: from 8 to 48HP via one single refrigerant circuit
- > Its ability to run no less than 64 indoor units in heat recovery format cannot at present be matched by other comparable systems
- > Continuous heating (resulting in a higher integrated heating capacity)
- > 'High sensible mode', allows the VRV<sup>®</sup> system to work with increased sensible capacity in cooling mode resulting in higher efficiency and improved comfort
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- > The ability to control each conditioned zone keeps the VRV<sup>®</sup>III system running costs to an absolute minimum
- > Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms
- > Quick cool/heat change over
- > Improved refrigerant containment check
- > 2 steps in night quiet mode: step 1: 50 dBA; step 2: 45 dBA
- > Possibility to extend the operation range in cooling down to -20°C



REYQ-P8/P9		8	10	12	14	16	18	20	22	24	26	28		
Stand alone units	REYQ8P9	1					Not Applicable							
	REYQ10P8		1											
	REYQ12P9			1										
	REYQ14P8				1									
	REYQ16P8					1								
Modular units	REMQ8P9	Not Applicable					1	1						
	REMQ10P8						1		1		1			
	REMQ12P8									1	1	2	1	
	REMQ14P8													1
	REMQ16P8													1

REYQ-P8/P9		30	32	34	36	38	40	42	44	46	48
Stand alone units	REYQ8P9	Not Applicable									
	REYQ10P8										
	REYQ12P9										
	REYQ14P8										
	REYQ16P8										
Modular units	REMQ8P9			1	1						
	REMQ10P8			1		1		1			
	REMQ12P8				1	1	2		1		
	REMQ14P8	1								1	
	REMQ16P8	1	2	1	1	1	1	2	2	2	3

# HEAT RECOVERY

OUTDOOR UNITS				8	10	12	14	16
Capacity	Cooling	Nominal	kW	22.4	28.0	33.5	40.0	45.0
	Heating	Nominal	kW	25.0	31.5	37.5	45.0	50.0
EER	Cooling	Nominal		4.31	3.95	3.84	3.51	3.19
COP	Heating	Nominal		4.38	4.27	4.24	4.09	3.91
Capacity range			HP	8	10	12	14	16
Power input	Cooling	Nominal	kW	5.20	7.09	8.72	11.4	14.1
	Heating	Nominal	kW	5.71	7.38	8.84	11.0	12.8
Dimensions	Unit	Height	mm	1,680				
		Width	mm	1,300				
		Depth	mm	765				
Weight	Unit		kg	331			339	
Sound Power	Cooling		dBa	78		80	83	84
Sound Pressure	Cooling		dBa	58		60	62	63
	Heating		dBa	-				
Operation Range	Cooling	Min~Max	°CDB	-5 ~ 43				
	Heating	Min~Max	°CWB	-20 ~ 15				
Refrigerant				R-410A				
Power Supply				3~/400V/50Hz				
Piping connections	Liquid (OD)		mm	9.52			12.7	
	Gas		mm	19.1	22.2		28.6	
	Discharge Gas		mm	15.9	19.1			22.2
	Oil equalizing		mm	-				
	Max total length		m	1,000				
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)				
Max n° of indoor units to be connected				13	16	19	22	26

OUTDOOR UNITS				18	20	22	24	26	28	30	32
Capacity	Cooling	Nominal	kW	50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
	Heating	Nominal	kW	56.5	62.5	69.0	75.0	81.5	87.5	95.0	100
EER	Cooling	Nominal		3.97	3.75	3.62	3.49	3.38	3.30	3.20	3.17
COP	Heating	Nominal		4.20	4.12	4.04	3.97	3.96	3.92	3.93	3.88
Capacity range			HP	18	20	22	24	26	28	30	32
Power input	Cooling	Nominal	kW	12.7	14.9	17.0	19.2	21.6	23.8	26.6	28.4
	Heating	Nominal	kW	13.4	15.2	17.1	18.9	20.6	22.3	24.2	25.8
Dimensions	Unit	Height	mm	1,680							
		Width	mm	930 + 930			930 + 1,240		1,240 + 1,240		
		Depth	mm	765							
Weight	Unit		kg	204 + 254		254 + 254		254 + 334		334 + 334	
Sound Power	Cooling		dBa	81		83					
Sound Pressure	Cooling		dBa	61	62	63					
	Heating		dBa	-							
Operation Range	Cooling	Min~Max	°CDB	-5 ~ 43							
	Heating	Min~Max	°CWB	-20 ~ 15							
Refrigerant				R-410A							
Power Supply				3~/400V/50Hz							
Piping connections	Liquid (OD)		mm	15.9				19.1			
	Gas		mm	28.6			34.9				
	Discharge Gas		mm	22.2	28.6						
	Oil equalizing		mm	19.1							
	Max total length		m	1,000							
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)							
Max n° of indoor units to be connected				29	32	35	39	42	45	48	52

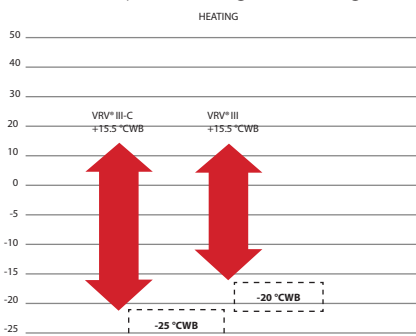
OUTDOOR UNITS				34	36	38	40	42	44	46	48	
Capacity	Cooling	Nominal	kW	95.4	101	107	112	118	124	130	135	
	Heating	Nominal	kW	107	113	119	125	132	138	145	150	
EER	Cooling	Nominal		3.55	3.48	3.43	3.35	3.30	3.26	3.19	3.17	
COP	Heating	Nominal		4.06	4.02	3.97	3.93	3.94	3.92	3.94	3.88	
Capacity range			HP	34	36	38	40	42	44	46	48	
Power input	Cooling	Nominal	kW	26.9	29.1	31.2	33.4	35.8	38.0	40.8	42.6	
	Heating	Nominal	kW	26.3	28.1	30.0	31.8	33.5	35.2	37.1	38.7	
Dimensions	Unit	Height	mm	1,680								
		Width	mm	930 + 930 + 1,240				930 + 1,240 + 1,240		1,240 + 1,240 + 1,240		
		Depth	mm	765								
Weight	Unit		kg	204 + 254 + 334		254 + 254 + 334		254 + 334 + 334		334 + 334 + 334		
Sound Power	Cooling		dBa	84		85						
Sound Pressure	Cooling		dBa	64			65					
	Heating		dBa	-								
Operation Range	Cooling	Min~Max	°CDB	-5 ~ 43								
	Heating	Min~Max	°CWB	-20 ~ 15								
Refrigerant				R-410A								
Power Supply				3~/400V/50Hz								
Piping connections	Liquid (OD)		mm	19.1								
	Gas		mm	34.9	41.3							
	Discharge Gas		mm	28.6			34.9					
	Oil equalizing		mm	19.1								
	Max total length		m	1,000								
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)								
Max n° of indoor units to be connected				55	58	61	64					





RTSYQ14-16P

- > First system in the industry developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Extended operation range for heating down to -25°CWB



- > High COP values at low ambients due to the use of two stage compression technology (COP values of 3.0 and more at -10°C)
- > Improved comfort levels because of shorter defrost time
- > Shorter heat up time compared to standard VRV®III heat pump
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Connectable to all VRV® indoor units, ventilation and Control systems.



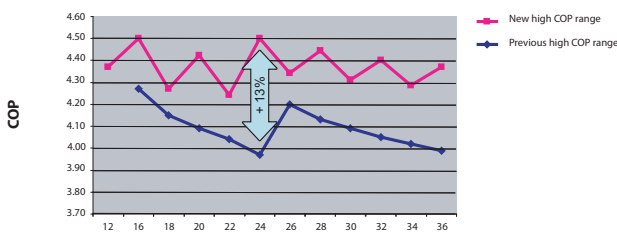
## HEATING & COOLING

OUTDOOR UNITS				RTSYQ10P	RTSYQ14P	RTSYQ16P	RTSYQ20P
Outdoor unit modules	Outdoor Unit			RTSQ10P	RTSQ14P	RTSQ16P	RTSQ8P
	Outdoor Unit			-	-	-	RTSQ12P
	Function unit			BTSQ20P	BTSQ20P	BTSQ20P	BTSQ20P
Capacity	Cooling @ 27°CDB outdoor temp.	kW	28.0	40.0	45.0	56.0	
	Heating @ 6°CWB outdoor temp.	kW	31.5	45.0	50.0	63.0	
	Heating @ -10°CWB outdoor temp.	kW	28.0	40.0	45.0	56.0	
Capacity range		HP	10	14	16	20	
EER	Cooling @ 27°CDB outdoor temp.		3.54	3.17	3.02	3.64	
COP	Heating @ 6°CWB outdoor temp.		4.09	3.98	3.88	4.12	
Power input	Cooling	Nominal	kW	7.90	12.6	14.9	15.4
		Nominal	kW	7.70	11.3	12.9	15.3
Dimensions	Unit	Height	mm	1,680			
		Width	mm	930	1,240		930+930
		Depth	mm	765			
	Function unit	Height	mm	1,570			
		Width	mm	460			
		Depth	mm	765			
Weight	Unit	kg	257	338	344	205 + 257	
	Function unit	kg	110				
Sound Power	Cooling	Max	dB(A)	-			
Sound Pressure	Cooling	Max	dB(A)	62	63	65	
Sound Pressure	Cooling	Nominal	dB(A)	60	61	63	
Operation Range	Cooling	Min~Max	°CDB	-5~-46			
	Heating	Min~Max	°CWB	-25~-15.5			
Refrigerant	R-410A						
Power Supply	3~/400V/50Hz						
Piping connections	Liquid (OD)	mm	9.52	12.7		15.9	
	Gas	mm	22.2	28.6			
	Oil equalizing	mm	-				19.1
	Max total length	m	500				
	Level difference OU-IU	m	50 (outdoor unit in highest position)				
Max n° of indoor units to be connected				16	22	26	32



RXYHQ20-22P8

- Top energy efficiency in Daikin heat pump range, thanks to the redesigned 8HP unit and newly developed 12HP high COP unit



- Wide range of indoor units: 15 different models in a total of 76 variations
- Compact size of outdoor units
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: step 1: 50 dBA; step 2: 45 dBA
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Quiet operation
- Leak detection function



RXYQ-P8		12	16	18	20	22	24	26	28	30	32	34	36
Modules	RXYQ8P		2	1	1		3	2	1	1	1		
	RXYQ10PB			1		1		1	2	1		1	
	RXYHQ12P8B	1			1	1				1	2	2	3

## HEATING & COOLING

OUTDOOR UNITS				12	16	18	20	22	24	26	28	30	32	34	36		
Capacity	Cooling	Nominal	kW	33.5	45.00	49.00	55.90	61.50	67.00	71.40	77.00	82.50	89.00	94.00	98.00		
	Heating	Nominal	kW	37.5	50.00	56.50	62.50	69.00	75.00	81.50	88.00	94.00	102.00	107.00	113.00		
EER	Cooling			3.89	4.29	4.00	4.05	3.84	4.29	4.09	4.12	3.96	3.99	3.85	3.89		
	Heating			4.37	4.50	4.27	4.42	4.24	4.50	4.34	4.44	4.31	4.40	4.29	4.37		
Capacity range			HP	12	16	18	20	22	24	26	28	30	32	34	36		
Power input	Cooling	Nominal	kW	8.61	10.49	12.25	13.80	16.02	15.62	17.46	18.69	20.83	22.31	24.42	25.19		
	Heating	Nominal	kW	8.58	11.11	13.23	14.14	16.27	16.67	18.78	19.82	21.81	23.18	24.94	25.86		
Dimensions	Unit	Height	mm	1,680													
		Width	mm	1,240	930+930			930+1,240		930+930+930			930+930+1,240		930+1,240+1,240		1,240+1,240+1,240
		Depth	mm	765													
Weight	Unit		kg	281	187+187	187+240	187+281	240+281	187+187+187	187+187+240	187+240+240	187+240+281	187+281+281	240+281+281	281+281+281		
		Sound Power	Nominal	dB(A)	80	82	82	83									
Sound Pressure	Cooling	Nominal	dB(A)	60			61	62			63		64	65			
				Operation Range	Cooling	Min~Max	°CDB		-5.0~43.0								
Heating	Min~Max	°CWB					-20.0~15.0										
		Refrigerant				R-410A											
Power Supply				3N~/400V/50Hz													
Piping connections	Liquid (OD)	Gas	mm	12.7	15.9			19.1					41.3				
			mm	28.6			34.9			41.3							
			m	1,000													
			m	50 (outdoor unit in highest position) (optional: 90)													
Max n° of indoor units to be connected				19	26	29	32	35	39	42	45	48	52	55	58		



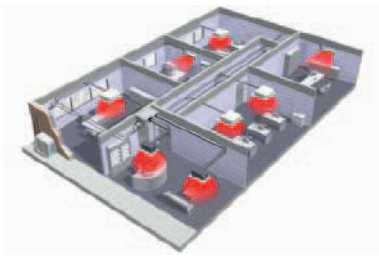
RXYQ44-46-48P(8)

- > Increased EER/COP thanks to the redesigned 8HP unit
- > Wide outdoor unit range: from 5 to 54 HP via 1 single refrigerant circuit
- > Wide range of indoor units: 15 different models in a total of 76 variations
- > Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- > Compact size of outdoor units
- > Increased external static pressure: up to 78.4Pa
- > 2 steps in night quiet mode: step 1: 50 dBA; step 2: 45 dBA
- > Easy combination with HRV
- > Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Quiet operation
- > Leak detection function



RXYQ-P(A)/P8	5	8	10	12	14	16	18	20	22	24	26	28	30
RXYQ5P	1	Not applicable											
RXYQ8P8		1						1			1		
RXYQ10P			1						1			1	
RXYQ12P				1				1	1	2			1
RXYQ14PA					1								
RXYQ16PA						1							
RXYQ18PA							1				1	1	1

RXYQ-P(A)/P	32	34	36	38	40	42	44	46	48	50	52	54
RXYQ5P	Not applicable											
RXYQ8P8				1			1					
RXYQ10P					1			1				
RXYQ12P				1	1	2			1			
RXYQ14PA	1									1		
RXYQ16PA		1									1	
RXYQ18PA	1	1	2	1	1	1	2	2	2	2	2	3



# HEATING & COOLING

OUTDOOR UNITS				5	8	10	12	14	16	18
Capacity	Cooling	Nominal	kW	14.0	22.4	28.0	33.5	40.0	45.0	49.0
	Heating	Nominal	kW	16.0	25.0	31.5	37.5	45.0	50.0	56.5
EER	Cooling			3.98	4.29	3.77	3.48	3.23	3.17	3.02
COP	Heating			4.00	4.50	4.09	3.97	3.98	3.88	3.69
Capacity range			HP	5	8	10	12	14	16	18
Power input	Cooling	Nominal	kW	3.52	5.22	7.42	9.62	12.40	14.20	16.20
	Heating	Nominal	kW	4.00	5.56	7.70	9.44	11.30	12.90	15.30
Dimensions	Unit	Height	mm	1,680						
		Width	mm	635	930				1,240	
		Depth	mm	765						
Weight	Unit		kg	159	187	240		316		324
Sound Power	Cooling	Nominal	dBa	72	78		80			83
Sound Pressure	Cooling	Nominal	dBa	54.0	57.0	58.0	60.0			63.0
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0						
	Heating	Min~Max	°CWB	-20.0~15.0						
Refrigerant				R-410A						
Power Supply				3N~/400V/50Hz						
Piping connections	Liquid (OD)		mm	9.52			12.7			15.9
	Gas		mm	15.9	19.1	22.2	28.6			
	Max total length		m	1,000						
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)						
Max n° of indoor units to be connected				8	13	16	19	23	26	29

OUTDOOR UNITS				20	22	24	26	28	30	32	34	36
Capacity	Cooling	Nominal	kW	55.90	61.50	67.00	71.40	77.00	82.50	89.00	94.00	98.00
	Heating	Nominal	kW	62.50	69.00	75.00	81.50	88.00	94.00	102.00	107.00	113.00
EER	Cooling			3.80	3.62	3.49	3.41	3.26	3.20	3.11	3.09	3.02
COP	Heating			4.18	4.04	3.97	3.94	3.83	3.81	3.83	3.79	3.69
Capacity range			HP	20	22	24	26	28	30	32	34	36
Power input	Cooling	Nominal	kW	14.71	16.99	19.20	20.94	23.62	25.78	28.62	30.42	32.45
	Heating	Nominal	kW	14.95	17.08	18.89	20.69	22.98	24.67	26.63	28.23	30.62
Dimensions	Unit	Height	mm	1,680								
		Width	mm	930+930				930+1,240		1,240+1,240		
		Depth	mm	765								
Weight	Unit		kg	187+240	240+240		187+324	240+324		316+324		324+324
Sound Power	Cooling	Nominal	dBa	83			85			86		
Sound Pressure	Cooling	Nominal	dBa	62	63		64	65			66	
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0								
	Heating	Min~Max	°CWB	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Piping connections	Liquid (OD)		mm	15.9				19.1				
	Gas		mm	28.6		34.9				41.3		
	Max total length		m	1,000								
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)								
Max n° of indoor units to be connected				32	35	39	42	45	49	52	55	58

OUTDOOR UNITS				38	40	42	44	46	48	50	52	54
Capacity	Cooling	Nominal	kW	105.00	111.00	116.00	120.00	126.00	132.00	138.00	143.00	147.00
	Heating	Nominal	kW	119.00	126.00	132.00	138.00	145.00	151.00	158.00	163.00	170.00
EER	Cooling			3.43	3.34	3.28	3.25	3.17	3.14	3.08	3.07	3.02
COP	Heating			3.95	3.89	3.86	3.84	3.79	3.78	3.77	3.75	3.70
Capacity range			HP	38	40	42	44	46	48	50	52	54
Power input	Cooling	Nominal	kW	30.61	33.23	35.37	36.92	39.75	42.04	44.81	46.58	48.68
	Heating	Nominal	kW	30.13	32.39	34.20	35.94	38.26	39.95	41.91	43.47	45.95
Dimensions	Unit	Height	mm	1,680								
		Width	mm	930+930+1,240				930+1,240+1,240		1,240+1,240+1,240		
		Depth	mm	765								
Weight	Unit		kg	187+240+324	240+240+324		187+324+324	240+324+324		316+324+324		324+324+324
Sound Power	Cooling	Nominal	dBa	86			87			88		
Sound Pressure	Cooling	Nominal	dBa	66			67			68		
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0								
	Heating	Min~Max	°CWB	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Piping connections	Liquid (OD)		mm	19.1								
	Gas		mm	41.3								
	Max total length		m	1,000								
	Level difference OU-IU		m	50 (outdoor unit in highest position) (optional: 90)								
Max n° of indoor units to be connected				61	64							

# RXYQ8-18PR1

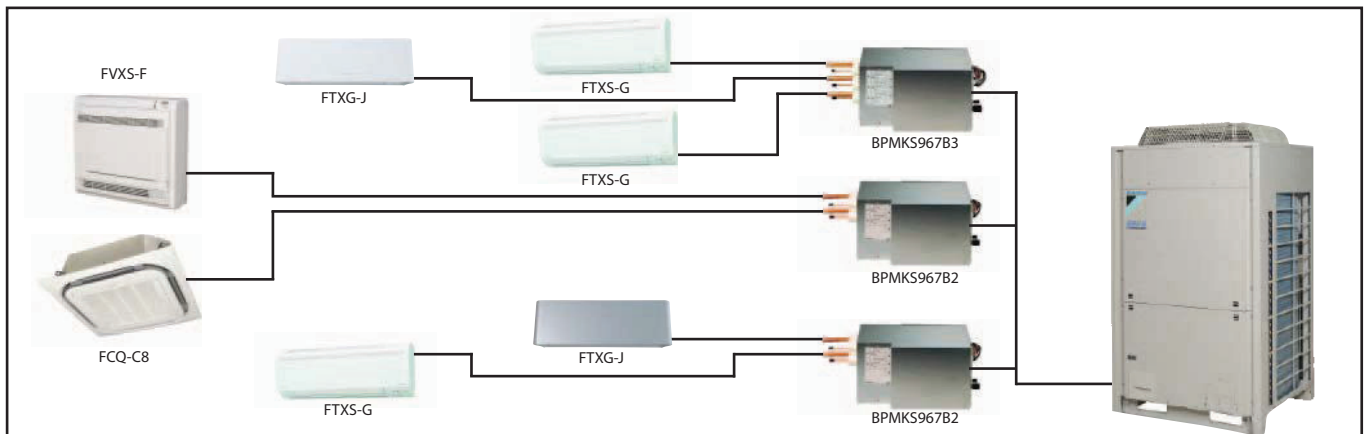
VRV®III Heat Pump with connection to stylish indoor units



RXYQ8-12PR1



- > Innovative VRV® technology combined with stylish and silent indoor units
- > Connectable to all multi indoor units
- > Up to 29 indoor units connectable to a 18 HP unit
- > For more information on compatible VRV® features contact your local dealer
- > To be ordered on project base only





## CONNECTABLE INDOOR UNITS

CAPACITY CLASS	20	25	35	42	50	60	71
FTXG-J		•	•				
CTXG-J					•		
FTXS-G	•	•	•	•	•	•	•
FVXS-F		•	•		•		
FLXS-B		•	•		•	•	
FDXS-E		•	•				
FDXS-C					•	•	
FDBQ-B		•					
FBQ-C			•		•	•	
FCQ-C8			•		•	•	
FFQ-BV		•	•		•	•	
FHQ-B			•		•	•	

## HEATING & COOLING

OUTDOOR UNITS				RXYQ8PR1	RXYQ10PR1	RXYQ12PR1	RXYQ14PR1	RXYQ16PR1	RXYQ18PR1
Capacity	Cooling	Nominal	kW	22.4	28.0	33.5	40.0	45.0	49.0
	Heating	Nominal	kW	25.0	31.5	37.5	45.0	50.0	56.5
EER	Cooling			4.29	3.77	3.48	3.23	3.17	3.02
COP	Heating			4.50	4.09	3.97	3.98	3.88	3.69
Capacity range			HP	8	10	12	14	16	18
Power input	Cooling	Nominal	kW	5.22	7.42	9.62	12.40	14.20	16.20
	Heating	Nominal	kW	5.56	7.70	9.44	11.30	12.90	15.30
Dimensions	Unit	Height	mm	1,680					
		Width	mm	930		1,240			
		Depth	mm	765					
Weight	Unit		kg	187	240		316		324
Sound Power	Cooling	Nominal	dB(A)	78			80		83
Sound Pressure	Cooling	Nominal	dB(A)	57	58		60		63
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0					
	Heating	Min~Max	°CWB	-20.0~15.0					
Refrigerant				R-410A					
Power Supply				3N~/400V/50Hz					
Piping connections	Liquid (OD)		mm	9.52		12.7		15.9	
	Gas		mm	19.1	22.2		28.6		
	Max total length		m	135					
	Level difference OU-IU		m	40 (outdoor unit in highest position)					
Max n° of indoor units to be connected				13	16	19	23	26	29

Branch Provider			BPMKS967B2	BPMKS967B3
Max. n° of indoor units to be connected			2	3
Max. indoor unit connectable capacity	kW		14.2 (7.1 + 7.1)	20.8 (6.0 + 7.1 + 7.1)
Dimensions	Height x Width x Depth	mm	180 x 294 x 350	
Weight			7.5	8



RXYSQ4-5-6PAY



- > High COP values (up to 4.43)
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Super wide range of indoor units
- > Power consumption limit setting
- > Silent operation
- > Small capacities - 4, 5 & 6HP
- > Slim & flexible design
- > Space saving outdoor unit



## HEATING & COOLING

OUTDOOR UNITS				RXYSQ4PAY	RXYSQ5PAY	RXYSQ6PAY
Capacity	Cooling	Nominal	kW	11.2	14.0	15.5
	Heating	Nominal	kW	12.5	16.0	18.0
EER	Cooling	Nominal		3.88		3.33
COP	Heating	Nominal		4.43	4.03	3.83
	Capacity range		HP	4	5	6
Power input	Cooling	Nominal	kW	2.89	3.61	4.66
	Heating	Nominal	kW	2.82	3.97	4.70
Dimensions	Unit	Height	mm	1,345		
		Width	mm	900		
		Depth	mm	320		
		Weight	Unit	kg	120	
Sound Power	Cooling	Nominal	dB(A)	66	67	69
Sound Pressure	Cooling	Nominal	dB(A)	50	51	53
	Heating	Nominal	dB(A)	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~-46		
	Heating	Min~Max	°CWB	-20~-15.5		
Refrigerant				R-410A		
Power Supply				3~/400V/50Hz		
Piping connections	Liquid (OD)		mm	9.52		
	Gas		mm	15.9		19.1
	Drain		mm	26 x 3		
	Max total length		m	300		
	Level difference OU-IU		m	50 (outdoor unit in highest position)		
Max n° of indoor units to be connected				6	8	9



RXYSQ4-5-6PAV



- > High COP values (up to 4.56)
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Super wide range of indoor units
- > Power consumption limit setting
- > Silent operation
- > Small capacities - 4, 5 & 6HP
- > Slim & flexible design
- > Space saving outdoor unit



## HEATING & COOLING

OUTDOOR UNITS				RXYSQ4PAV	RXYSQ5PAV	RXYSQ6PAV
Capacity	Cooling	Nominal	kW	11.2	14.0	15.5
	Heating	Nominal	kW	12.5	16.0	18.0
EER	Cooling	Nominal		3.99		3.42
COP	Heating	Nominal		4.56	4.15	3.94
			HP	4	5	6
Power input	Cooling		kW	2.81	3.51	4.53
	Heating		kW	2.74	3.86	4.57
Dimensions	Unit	Height	mm	1,345		
		Width	mm	900		
		Depth	mm	320		
			kg	120		
Weight	Unit					
Sound Power	Cooling	Nominal	dB(A)	66	67	69
	Heating	Nominal	dB(A)	50	51	53
Sound Pressure	Cooling	Nominal	dB(A)	52	53	55
	Heating	Nominal	dB(A)			
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)		mm	9.52		
	Gas		mm	15.9		19.1
	Drain		mm	3 x 26		
	Max total length		m	300		
	Level difference OU-IU		m	50 (outdoor unit in highest position)		
Max n° of indoor units to be connected				6	8	9