

Air Conditioning Technical Data

VRVIII-S heat pump



RXYSQ-P8V1

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1 Features

Space saving solution without compromising on efficiency

- For residential and light commercial applications
- Space saving design for flexible installation
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Energy efficient heating system based on air source heat pump technology, lowering energy bills and CO2 emmisions
 - · Connect up to 9 indoor units, which can all be individually controlled
 - Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended, round flow or 4way blow cassettes
 - 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA

- Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Spread your installation cost by phased installation
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage





Inverter

2 Specifications

2-1 Technical S	pecifications				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1				
Capacity range				HP	4	5	6				
Cooling capacity	Nom.			kW	12.6 (1)	14.0 (1)	15.5 (1)				
Heating capacity	Nom.			kW	14.2 (2)	16.0 (2)	18.0 (2)				
Power input - 50Hz	Cooling	Nom.		kW	3.24	3.51	4.53				
	Heating	Nom.		kW	3.12	3.86	4.57				
Capacity control	Method	Nom.			0.12	Inverter controlled	4.07				
Capacity control	-			0/							
	Steps			%	0.00	24 ~ 100	A 40				
EER					3.89	3.99	3.42				
COP					4.55	4.15	3.94				
Maximum number of c		its			8 (3) / 8 (4)	10 (3) / 9 (4)	12 (3) / 9 (4)				
Indoor index	Min.				50	62.5	70				
connection	Nom.					-					
	Max.				130	162.5	182				
Dimensions	Unit	Height		mm		1,345					
		Width		mm		900					
		Depth		mm		320					
	Packed unit	Height		mm		1,524					
		Width		mm		980					
		Depth		mm		420					
Weight	Unit	Doptil		kg		120					
Weight	Packed unit					130					
Dealizar				kg							
Packing	Material			1.		Carton / Wood / EPS					
- ·	Weight			kg		8					
Casing	Colour					Daikin White					
	Material					Painted galvanized steel plate					
Heat exchanger	Length			mm		857					
	Rows	Quantity				2					
	Fin pitch			mm		2					
	Passes	Quantity				10					
	Face area	•		m²		1.131					
	Stages	Quantity				60					
	Empty tubeplate	Quantity				0					
	hole										
	Tube type					ø8 Hi-XSS					
	Fin	Туре				Non-symmetric waffle louvre					
		Treatmen	nt			Corrosion resistant					
Compressor	Quantity					1					
Compressor	Model					JT100G-VDL					
	Туре				L	Hermetically sealed scroll compress	or				
	Speed			rom	Г	6,480					
				rpm W	0.500		2,500				
	Output			vv	2,500	3,000	3,500				
	Starting method			1		Direct on line					
	Crankcase heater			W		33					
Fan	Туре					Propeller fan					
	Quantity	-				2					
	Air flow rate	Cooling		m³/min		106					
		Heating	Nom.	m³/min	102	1	05				
	External static	Max.		Pa		-					
	pressure										
	Discharge direction					Horizontal					
Fan motor	Quantity					2					
	Model					Brushless DC motor					
	Speed	Cooling	Nom.	rpm		850					
	·		Nom.	rpm	820		40				
	Drive			- r · ·		Direct drive					
				W							
	Output			W		70					

2 Specifications

2-1 Technical S	pecifications				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1		
Fan motor 2	Model					Brushless DC motor			
	Speed	Cooling	Nom.	rpm		815			
		Heating	Nom.	rpm	785	8	05		
	Drive					Direct drive			
	Output			W		70			
Sound power level	Cooling	Nom.		dBA	66	67	69		
Sound pressure level	Cooling	Nom.		dBA	50	51	53		
·	Heating	Nom.		dBA	52	53	55		
Operation range	Cooling	Min.~Ma	х.	°CDB		-5~46			
	Heating	Min.~Ma		°CWB		-20~15.5			
Refrigerant	Туре					R-410A			
C C	Charge			kg		4.0			
				TCO ₂ eq		8.4			
	Control			2-1		Expansion valve			
	GWP					2,087.5			
	Circuits	Quantity				1			
Refrigerant oil	Туре					Daphne FVC68D			
	Charged volume					1.5			
Piping connections	Liquid	Туре				Flare connection			
Piping connections	40.0	OD		mm	9.52				
	Gas	Туре			Flare connection (VRV®)		Braze connection		
	000	OD mm			15.9 (3) / 19.1 (4) 19.1				
	Drain	Quantity			3				
	Diam	OD mm			26x3				
	Heat insulation	00				Both liquid and gas pipes			
	Piping length	OU -	Total	m		55 (4)			
		BP	Total			55 (1)			
		BP - IU	Max.	m		15 (4)			
			Total	m	60 (4)	80 (4)	90 (4)		
	Total piping length	System	Actual	m	300 (3) / 115 (4)	300 (3) / 135 (4)	300 (3) / 145 (4)		
	Level difference	OU - IU	Outdoo	m		-			
			r unit in						
			highest						
			position						
			Indoor	m		-			
			unit in						
			highest position						
Defrost method	<u> </u>	1	poolition	I		Reversed cycle			
Defrost control					Sanan	r for outdoor heat exchanger temp	erature		
Safety devices	Item	01			0011301	HPS			
Culoty Covices		02				Fan motor thermal protection			
		02				Inverter overload protector			
		03				PC board fuse			
	1	04				FC board luse			

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Connection pipes; Quantity : 3;

2-2 Electrical	Specifications			RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1			
Power supply	Name				V1				
	Phase			1N~					
	Frequency		Hz		50				
	Voltage		V		220-240				
Voltage range	Min.		%		-10				
	Max.		%	10					
Current	Zmax	Text		-					
	Nominal running current (RLA) - 50Hz	Cooling	A	15.9	20.2	22.2			

2 Specifications

2-2 Electrical S	pecifications			RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
Current - 50Hz	Maximum running cu	irrent	А		27.0	
	Starting current (MSC	C)	A	15.9	20.2	22.2
	Zmax	List			No requirements	
	Minimum circuit amp	s (MCA)	А		27.0	
	Maximum fuse amps	(MFA)	A		32.0	
	Full load amps	Fan motor	A		0.3	
	(FLA)	Fan motor 2	A		0.3	
Wiring connections -	For power supply	Quantity			3	
50Hz		Remark			Earth wire included	
	For connection with	Quantity			2	
	indoor	Remark			F1,F2	
Power supply intake					Both indoor and outdoor unit	
Field earth leakage bre	eaker		mA		300	

Notes

(1) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

(3) In case VRV indoor units are connected

(4) In case RA indoors are connected

Sound power level is an absolute value that a sound source generates.

Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

Sound values are measured in a semi-anechoic room.

RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

Maximum allowable voltage range variation between phases is 2%.

Select wire size based on the value of MCA

Instead of a fuse, use a circuit breaker

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

MSC means the maximum current during start up of the compressor

EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and < 75A per phase

Ssc: Short-circuit power

Contains fluorinated greenhouse gases

3 Options 3 - 1 Options

RXYSQ-P8V1

No	Item	RXYSQ4	RXYSQ5	RXYSQ6
1	Cool / Heat selector		KRC19-26A6	
2	Fixing box		KJB111A	
3	Refnet header		KHRQ22M29H	
4	Refnet joint		KHRQ22M20TA	
5	Central drain plug		KKPJ5F180	
6	Branch provider (2 rooms)		BPMKS967B2B	
7	Branch provider (3 rooms)		BPMKS967B3B	

Note: All options are kits.

4 Capacity tables

4 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- Capacity table database: lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
 http://avtranet.daikingurope.com/captab
- → <u>http://extranet.daikineurope.com/captab</u>
- E-data app: gives a complete overview of the Daikin products available in your country, with all engineering data and commercial info in your own language. Download the app now!

→ <u>https://itunes.apple.com/us/app/daikin-e-data/id565955746?mt=8</u>



• Selection software: allows you to do load calculations, equipment selections and energy simulations for our VRV, Daikin Altherma, refrigeration and applied systems products.

 $\rightarrow \underline{http://extranet.daikineurope.com/en/software/downloads/default.jsp}$

4 Capacity tables

4 - 2 Integrated Heating Capacity Correction Factor

RXYSQ-P8V1

INTEGRATED HEATING CAPACITY COEFFICIENT

The heating capacity tables do not take account of the reduction in capacity, when frost has accumulated or while the defrosting operation is in progress.

The capacity values, which take these factors into account, in other words, the integrated heating capacity values, can be calculated as follows:

Formula:

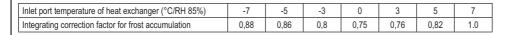
4

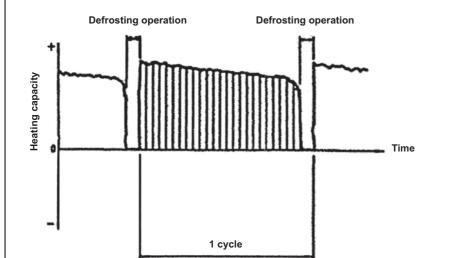
Integrated heating capacity = A Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

 $A = B \times C$

Correction factor for finding integrated heating capacity.





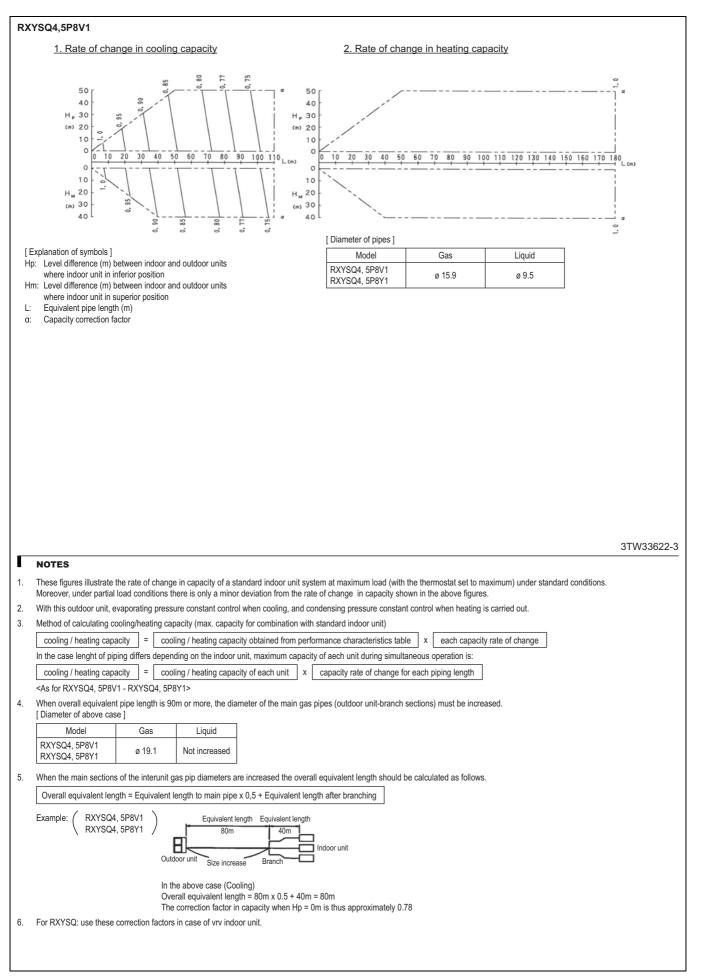
3TW30402

NOTES

The figure shows that the integrated heating capacity expresses the integrated capacity for a single cycle (from defrost operation to defrost operation) in terms or time.
 Whe there is an accumulation of snow against the outside surface of the outdoor unit heat exchanger, ther will always be a temporary reduction in capacity, although this will of course vary in degree in accordance with a number of other factors, such as the outdoor temperature (°CDB), relative huminity (RH) and the amount of frosting which occurs.

4 Capacity tables

4 - 3 Capacity Correction Factor



Capacity tables Capacity Correction Factor **4** 4 - 3

SQ-P8	V1 - fo	or comb	inatior	n with F	A and S	Sky Air	indoor	units							
		tion Fa				-									
- Rate of	Chan	ge in Ca	nacity	by the	- Main P	ining Le	anath								
		e in Cooli			Main		ngui								
Main Pip			ig oup	5	10	15	20	25	30	35	40	45	50	55	1
	• •	n Cooling C	apacity	100.0%	98.6%	97.2%	95.9%	94.7%	93.5%	92.3%	91.2%	90.1%	89.1%	88.1%	-
Data of	Change	in Lleati		o oltr											-
Main Pip	-	e in Heati	ng Cap	acity 5	10	15	20	25	30	35	40	45	50	55	1
		n Heating C	apacity	100.0%	99.5%	99.1%	98.6%	98.2%	97.7%	97.3%	96.9%	96.4%	96.0%	95.6%	-
		Length F			in Capac	city						1	1		7
100%															
				-			*****								
Rate of Change in Capacity %76 %88 %88 %88 %88 %88 %88 %88 %88 %88 %8					-						-11				
.i. 90%								-							
ange 88%				Rate of Cha	nge in Cooli	na Canacity				\rightarrow					
10 86% Jo 84%			-		nge in Heati										
80% ()	5 10	15	5 20	25	30	35	40	45	50	55				
					Main Piping										
Both case	s outdoo	r unit in infe	erior or su	uperior for	indoor uni	it, the rate	of change	in capaci	y is same						
Rate of	f Chan	ge in Ca	pacity	by Bra	nch Pip	ing Ler	igth								
(1) Refri	gerant	Piping Co	onnectio	on Diam	eter	(2)	Refriaer	ant Pipir	a Conne	ection Di	ameter				
	liqui	id ø	6.4			,	•	liquid	ø 6.4						
	gas		15.9					gas	ø 12.		_				
piping le		ate of Cha Cooling	-	apacity		Dir	ing length			in Capacity Heating	4				
3	iigui	100.0%		0.0%			3	100.		100.0%					
5 10		99.6%	_	.9% .6%			5 10	99.2		99.5% 98.2%	_				
10		98.7% 97.9%		.0%			15	90.8		97.0%	-				
(3) Pofri	aorant	Piping Co	nnoctic	n Diam	ator	Din		for field	onnocti	on (mm)					
(0) 1(011)	liqui		6.4	on Diani	3101				RA	· · ·	A				
	gas		9.5					Liqui	d Gas	Liquid	Gas				
piping le		ate of Cha Cooling	<u> </u>	apacity ating			1:								
piping le 3	iigui	100.0%		0.0%			2		ø 9.5						
5		98.0%		.8%			ass 35 W) 42	— a 6 /	1	ø 6.4	ø 9.5				
10 15		93.4% 89.3%	_	.0% .5%			5		- 10 7	-	~ 10.7				
10		001070					60		ø 12.7		ø 12.7				
							7		ø 15.9						
(1) Refr	igerant P	Piping Conr	ection D	iameter			Pofrigeran	t Piping C		Diameter			(3) Refrige	rant Pinin	ng Connection Diameter
liqui	dø6.4	gas ø 15.9			Cooling] ``	quid ø 6.4	gas ø 1		Diameter	Cooli Heati	ina		6.4 gas	
(%) 100%	1					(%)	10%			*****			® 100%	4	
Rate of Change in Capacity	1				-	ba	185			1	*******		Kate of Change in Capacity		
						i.	NO%				-	111	C		
Change						hange	13%					111	hange		
e of C						e of C	125		_						
Rat	0	5 Branch I	Dining Len	10 gth L2 (m)	1	Rate	0		1	10					5 10
		Dianciti		gui L2 (III)				Branc	n Piping Ler	igth L2 (m)	-			Br	ranch Piping Length L2 (m)
Method		culating c					of choose	o in con	acity by 1	nain nini	na lonci	th v Da	o of obo	nge in c	apacity by branch piping len
	TOLE	a capacit	y nonn (зарасну	ables X		льнану	е птсара	aury Dy I	παιτι μιμ	ng lengt	ш х га		nge in C	
															3TW3362
NOTES															
		rate the rat tandard co		nge in cap	acity of a s	standard ir	door unit	system at	maximum	load (with	the therm	iostat set t			out of piping] Piping length: L1=5m
Moreover,	under pa	artial load o	onditions										res.	tdoor unit	
	utdoor u	nit. evapora	ating pres	sure cons	tant contro	ol when co	oling and	condensin	g pressure	e constant	control wh	hen heatin	ais		
With the o carried ou		, ,	01				-		01				9.0	닐냐	BP unit Indoo

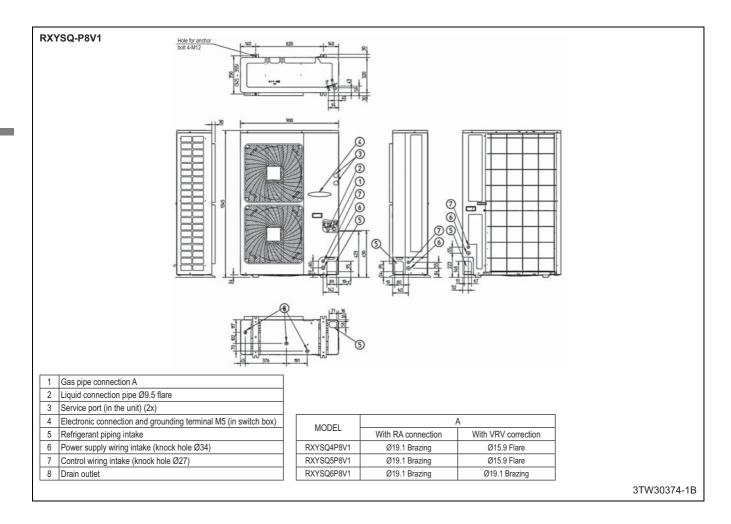
4 4 - 3

Capacity tables Capacity Correction Factor

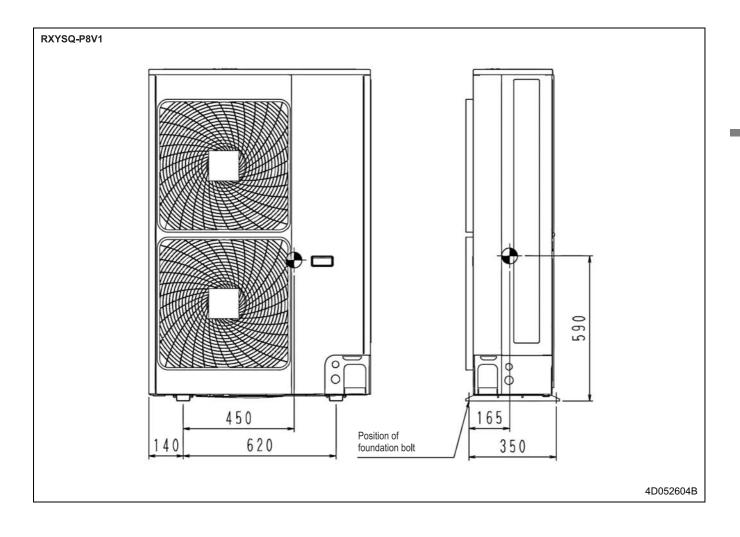
RX	RXYSQ6P8V1		
	1. Rate of change in cooling capacity	2. Rate of change in heating capacity	
	$\begin{array}{c} 50\\ H_{3} 30\\ (m) 20\\ H_{3} 20\\ (m) 30\\ (m) 30\\$		
Hr Hr L:	Hp: Level difference (m) between indoor and outdoor units where indoor unit in inferior position Hm: Level difference (m) between indoor and outdoor units where indoor unit in superior position	Model Gas Liquid RXYSQ6P8V1 Ø 19.1 Ø 9.5	
		37	W33642-4
ſ	NOTES		
1.	 These figures illustrate the rate of change in capacity of a standard indoor unit system a Moreover, under partial load conditions there is only a minor deviation from the rate of of 		
2.			
3.			
	cooling / heating capacity = cooling / heating capacity obtained from performant In the case lenght of piping differs depending on the indoor unit, maximum capacity of a		
		pacity rate of change for each piping length	
	<pre><as -="" for="" pre="" rxymq6mv4a="" rxymq6mvlt="" rxymq6pv4a="" rxymq<="" rxysq6m7v3b=""></as></pre>	16PVE - RXMQ6PVE - RXYSQ6P7V3B - RXYSQ6P7V1B - RXYSQ6PA7V1B - RXYSQ6P4	A7Y1B -
4.	 RXYSQ6P8V1B - RXYSQ6P8V1B> When overall equivalent pipe length is 90m or more, the diameter of the main gas pipes [Diameter of above case] 	s (outdoor unit-branch sections) must be increased.	
	Model Gas Liquid		
	RXYSQ6P8V1B Ø 22.2 Not increased		
5.			
	Overall equivalent length = Equivalent length to main pipe x 0,5 + Equivalent length a	Itter branching	
	Example: RXYSQ6P8V1B		
	Equivalent length 80m 40m Indoor unit Size increase Branch		
	In the above case (Cooling) Overall equivalent length = 80m x 0.5 + 40m = 80m The correction factor in capacity when Hp = 0m is thus approximately 0.86		
6.	6. For RXYSQ: use these correction factors in case of VRV indoor unit.		

Dimensional drawings Dimensional Drawings 5

5 - 1

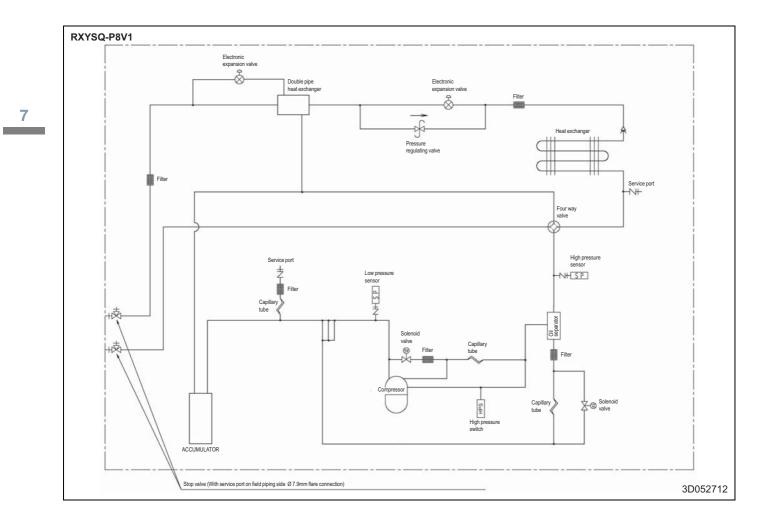


Centre of gravity Centre of Gravity **6** 6 - 1



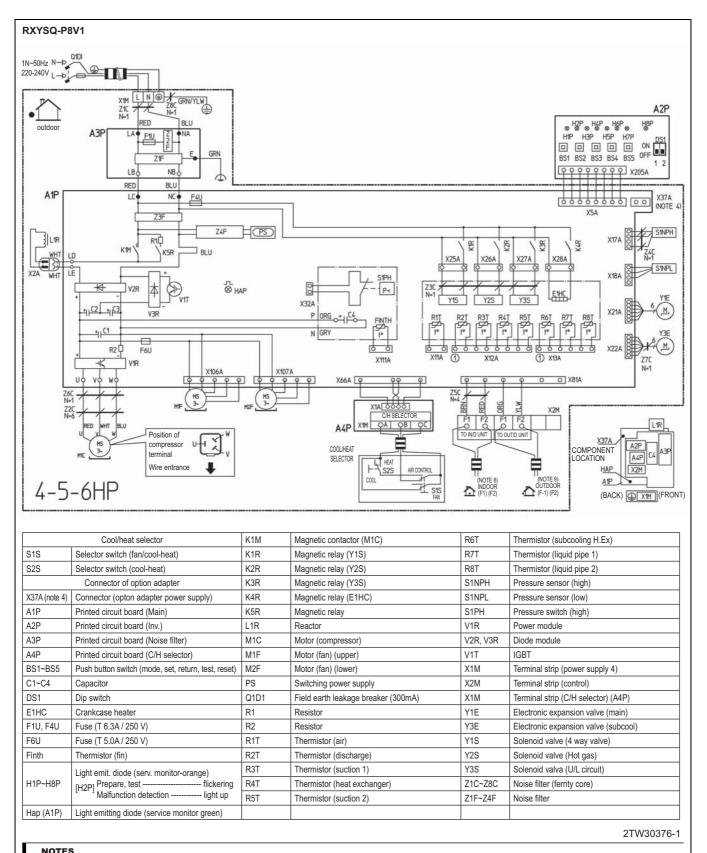
Piping diagrams Piping Diagrams 7

7 - 1



Wiring diagrams 8

8 - 1 Wiring Diagrams - Single Phase



NOTES

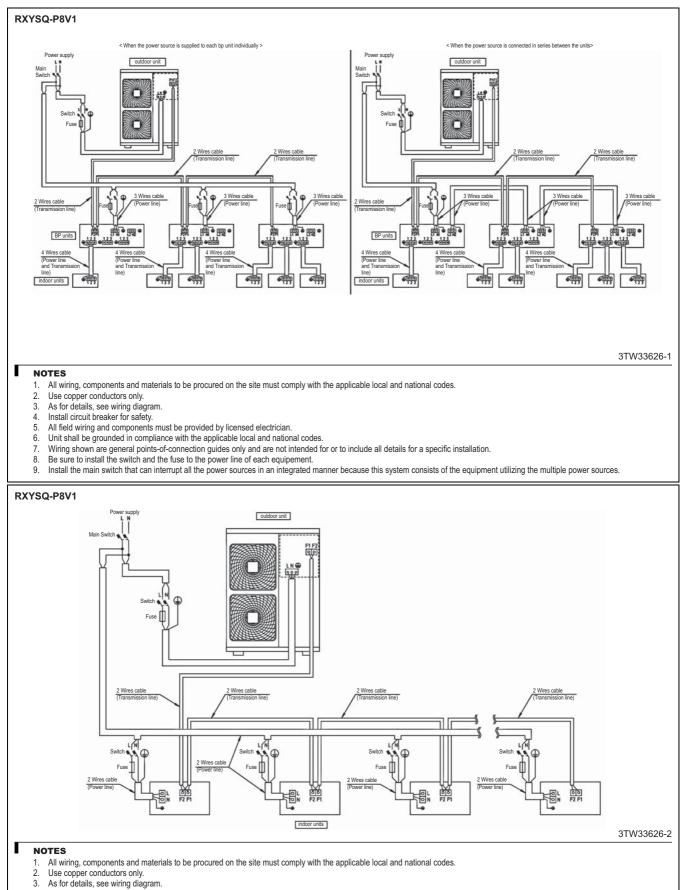
1 This wiring diagram only apllies to the outdoor unit.

2 L: Live, N: Neutral =

- : Terminal strip OO: Connector 3 4. When using the option adapter, refer to the installation manual
- 5. Refer to the 'wiring diagram sticker' (On back of front plate) on how to use BS1 ~ BS5 and DS1, DS2 switch.
- 6. Do not operate the unit by short-circuiting protection device S1PH.
- 7 Colors: BLU = BLUE BRN = BROWN GRN = GREEN RED = RED WHT = WHITE YLW = YELLOW ORG = ORANGE
- 8. Refer to the installation manual, for connection wiring to indoor-outdoor, transmission F1-F2
- 9. When using the central control system, connect outdoor-outdoor transmission F1-F2.

9 **External connection diagrams**

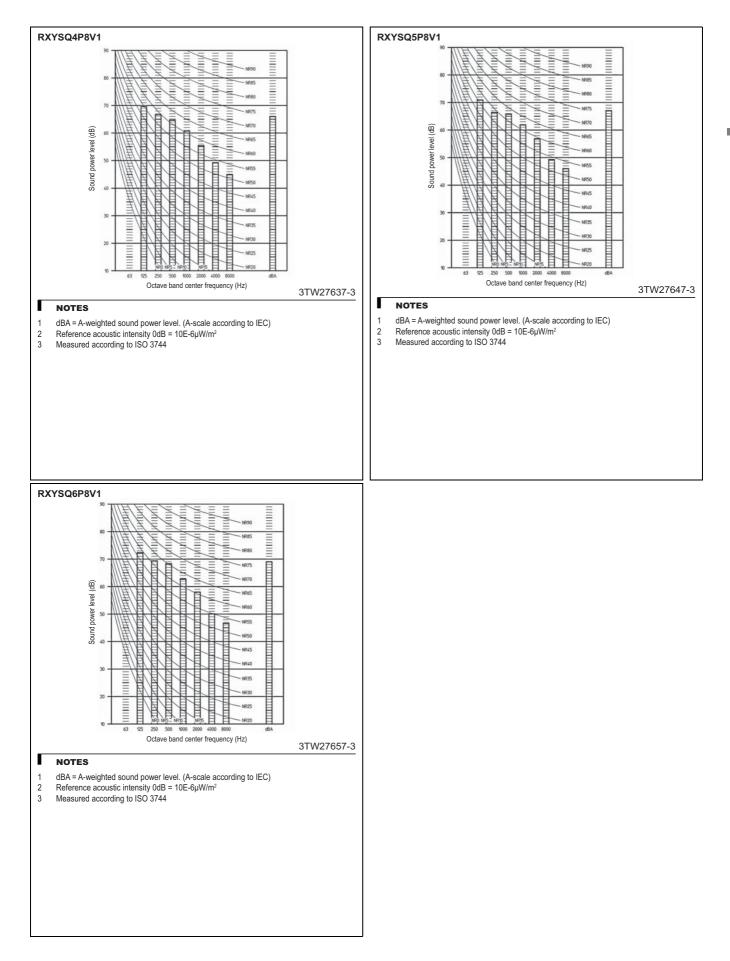
9 - 1 **External Connection Diagrams**



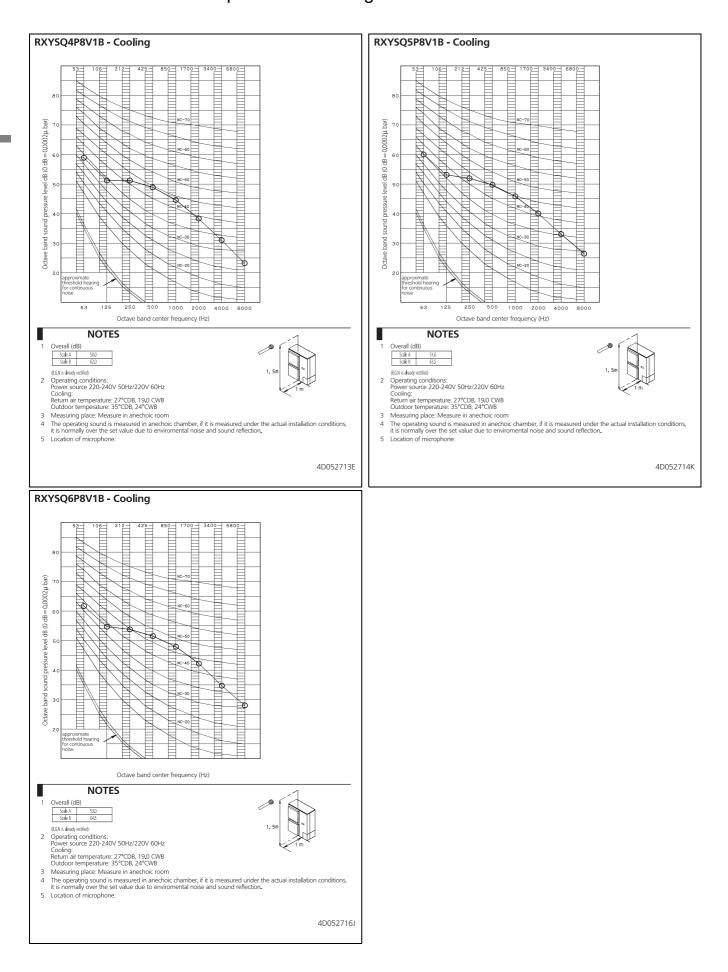
- 4
- Install circuit breaker for safety. All field wiring and components must be provided by licensed electrician. 5
- Unit shall be grounded in compliance with the applicable local and national codes. 6
- 7 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 8 Be sure to install the switch and the fuse to the power line of each equipement.
- 9 Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.

10 Sound data

10 - 1 Sound Power Spectrum

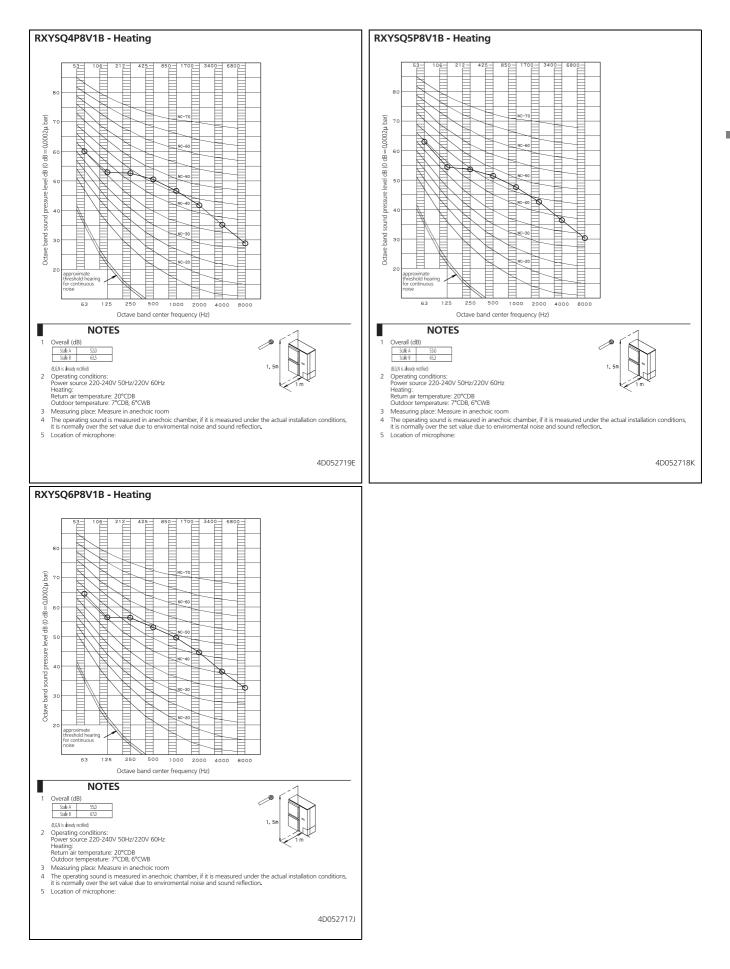


10 Sound data 10 - 2 Sound Pressure Spectrum - Cooling

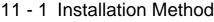


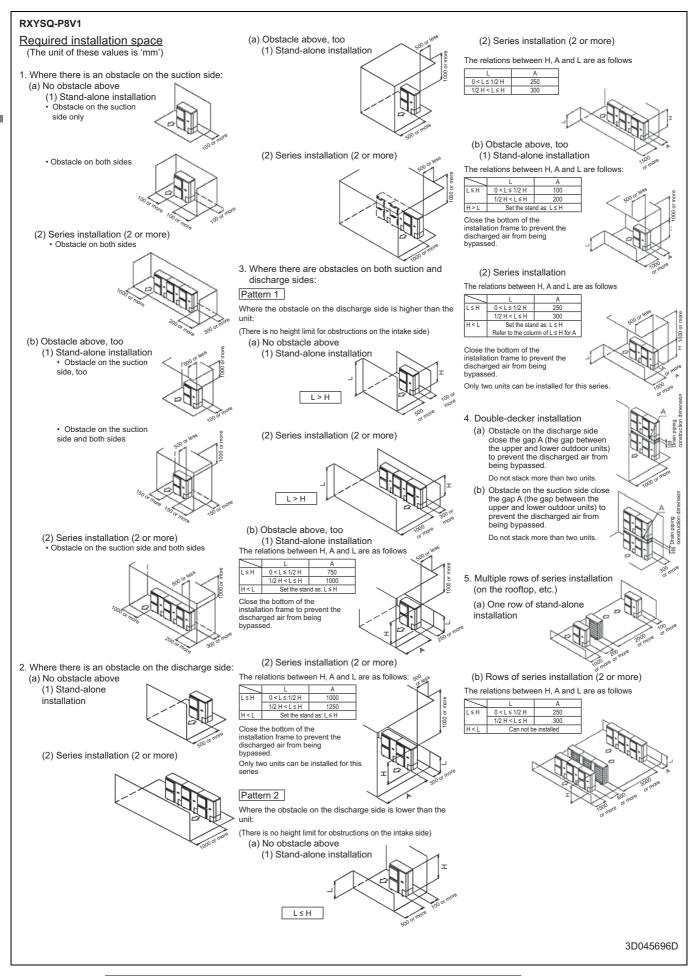
10 Sound data

10 - 3 Sound Pressure Spectrum - Heating



11 Installation



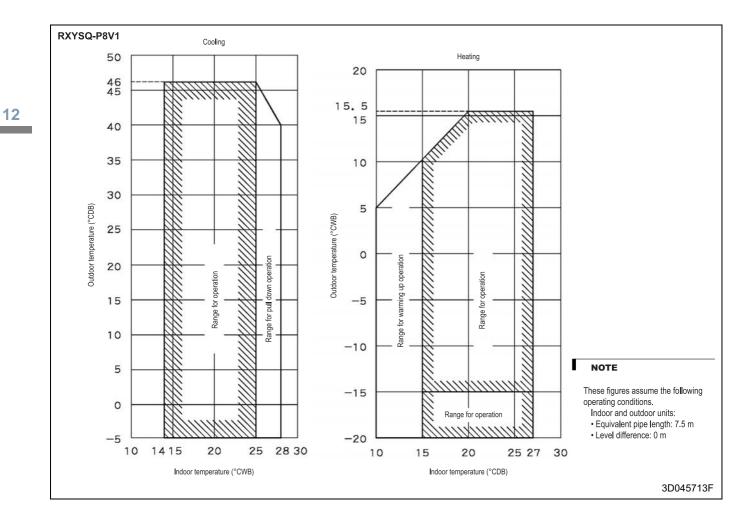


11 Installation

11 - 2 Refrigerant Pipe Selection

							Description of the sector		
	nection units heat pump system)						Branch with ref	iet joint	
1 inde	oor unit								
	rigerant branch kit (refnet j	oint)						· · · · · · · · · · · · · · · · · · ·	
BP1) BP				_		H2		e BP2 H3	
	e refrigerant branch kits mi ssible (c, d, e must be as s		s close to the BP units as			H1			3
12 10				-			123		m
						+		H4	8
	Between outdoor and	I BP units 1	otal pipe length	Pipe length between outdoor and BP u [Example] 3 BP units: a+b+c+d+e≤55					
ximum owable	Between BP and indo	or units 1	otal pipe length	Piping length between BP and indoor u	nits: RXYSQ4	≤60 m, RXYSQ5≤80	m, RXYSQ6≤90 m		
gth	Between BP and an i		room length	[Example] RXYSQ5: f+g+h+i+j+k+l+ms Pipe length between BP and an indoor					
nimum allowal		and the first	-	[Example] f, g, h, i, j, k, l, m≤15 m Pipe length between outdoor unit and f	irst refrigerant	hranch kit: >5 m			
gth(*)	refrigerant branch kit		Pipe length	[Example] a≥5 m					
owable heigh	Between outdoor and Between outdoor and		Difference in height Difference in height	Difference in height between outdoor a Difference in height between outdoor a					
owable neigh	Between BP and BP Between indoor and i		Difference in height Difference in height	Difference in height between BP and B Difference in height between indoor an					
	Detriver inder and		interest in relight	Pipe length from first refrigerant branch			m		
owable lengti	h after the branch	F	Pipe length	[Example] unit 8: b+c+m≤40 m [Example] unit 6: b+e+k≤40 m					
frigerant brar	nch kit selection			[Example] unit 3: d+h≤40 m Use the following refnet joint: KHRQ22	M20T.				
frigerant brand	ch kits can only be used w und from the outdoor unit can								
e size selecti		be transmitted.					D ¹		Example
							thic	diameter x minimum kness)	Indoor 4: 2.5 kW
				Between outdoor and first	Symbol		Gas pipe Ø19.1x1.0	Liquid pipe	Indoor 5: 3.5 kW Qe=11.0 kW
				refrigerant branch kit Between refrigerant branch kit and	b			Ø9.5x0.8	Indoor 6: 5.0 kW → (Gas pipe) Ø15.9x1.0 and (liquid pipe) Ø9.5x0.6
				refrigerant branch kit		Total indoor	Ø15.9x1.0		
				Between refrigerant branch kit and		capacity Q Qc. Qd. Qe	Gas pipe	Liquid pipe	-
				BP unit	c, d, e	≤5.0 kW Qc, Qd, Qe	Ø12.7x0.8	Ø6.4x0.8	-
						>5.0 kW	Ø15.9x1.0	Ø9.5x0.8	
				NOTE Qc, Qd, Qe is tot c, d, e indicates t					
					ne aynibola in	ule ligure.			- pranch using refnet joint
hould be roun	e the additional refrigera rant to be charged R (kg) ided off in units of 0.1 kg			R= (Total length (m) of liquid piping size at Ø9.5)	x0.054+ (Total length (m) of liq piping size at Ø6.4) x0.022 a	Ø9.5x10 m e: Ø9.5	x10 m g :96,4x10 m i :96,4x10 m m: 96,4x8 r x10 m h: 96,4x10 m k: 96,4x5 m (10 m i : 96,4x5 m (22) 10 m i : 06,4x10 m l: .96,4x5 m (22) 22] = 3,876 ⇒ 3,9 kg 4PW68
	rant to be charged R (kg) Ided off in units of 0.1 kg				x0.054+ () x0.022 a	Ø9.5x10 m e: Ø9.5 Ø6.4x10 m f: Ø6.4x	x10 m h: Ø6.4x10 m k: Ø6.4x5 m <10 m i: Ø6.4x10 m l: Ø6.4x5 m 22] = 3.876 ⇒ 3.9 kg
hould be roun	rant to be charged R (kg) ded off in units of 0.1 kg		Bra		X0.054+	piping size at Ø6.4) x0.022 a	<u>Ø9.5x10 m</u> e: <u>Ø9.5</u> <u>Ø6.4x10 m</u> f: <u>Ø6.4</u> 40 x 0.054] + [78 x 0.0	x10 m h: Ø6.4x10 m k: Ø6.4x5 m <10 m i: Ø6.4x10 m l: Ø6.4x5 m 22] = 3.876 ⇒ 3.9 kg
SQ-P8V1B Example of (Connection	rant to be charged R (kg) ded off in units of 0.1 kg connection of 8 indoor units Heat pu			R ^e (piping size at Ø9.5))	X0.054+	piping size at Ø6.4) x0.022 a b R=	<u>Ø9.5x10 m</u> e: <u>Ø9.5</u> <u>Ø6.4x10 m</u> f: <u>Ø6.4</u> 40 x 0.054] + [78 x 0.0	x10 m h. 264,4x10 m k. 264,4x5 m (10 m i. 264,4x10 m i. 264,4x5 m 22] = 3,876 ⇒ 3,9 kg 4PW68
SQ-P8V1B Example of (Connection	rant to be charged R (kg) ded off in units of 0.1 kg		Bra	R ^e (piping size at Ø9.5))	X0.054+	piping size at Ø6.4)) XUU22 [a] bc goint and refnet he	09.5x10 m e: 09.5 06.4x10 m f: 06.4x 40 x 0.054] + [78 x 0.0 ader	x10 m h. Ø6.4x5 m k. Ø6.4x5 m
SQ-P8V1B Example of (Connection ∴ inc ⊲ re	rant to be charged R (kg) ded off in units of 0.1 kg connection of 8 Indoor units Heat pu door unit			R ^e (piping size at Ø9.5))	X0.054+	piping size at Ø6.4) x0.022 a b R=	09.5x10 m e: 09.5 06.4x10 m f: 06.4x 40 x 0.054] + [78 x 0.0 ader	x10 m h. Ø6.4x5 m k. Ø6.4x5 m
SQ-P8V1B Example of (Connection ∴ inc ⊲ re	rant to be charged R (kg) ded off in units of 0.1 kg connection of 8 Indoor units Heat pu door unit fnet joint	mp system)		nch with refnet joint	X0.054+	piping size at Ø6.4)) XUU22 [a] bc goint and refnet he	09.5x10 m e: 09.5 06.4x10 m f: 06.4x 40 x 0.054] + [78 x 0.0 ader	x10 m h. 264,4x10 m k. 264,4x5 m (10 m i. 264,4x10 m i. 264,4x5 m 22] = 3,876 ⇒ 3,9 kg 4PW68
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SQ-P8V1B Example of (Connection ∴ int ≪ re re	connection of 8 indoor units Heat pu door unit finet header	mp system) Actual pipe length Equivalent length Total extension	Pipe length between o [Example] unit 8: a+b+ Equivalent pipe length	R ^K piping size at Ø9.5)	Br I [Example] n (Assume eq	ranch with refnet)) XUU22 a b c c c c c c c c c c	09.5x10 e: 09.5 06.4x10 f: 09.5 06.4x10 f: 06.4x10	t10 m h 06.4x10 m k 06.4x5 m (10 m i: 06.4x10 m i: 06.4x5 m 22] = 3.876 → 3.9 kg 4PW68 Branch with refnet header
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