

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				RXYSQ4P7V3B		RXYSQ4P7V3B		RXYSQ4P7V3B	
Capacity	Cooling	kW		11.2		14.0		15.5	
	Heating	kW		12.5		16.0		18.0	
COP	Cooling			3.15		3.01		3.03	
	Heating			3.41		3.73		3.62	
Capacity range		HP		4		5		6	
Max n° of indoor units to be connected				6		8		9	
Indoor index connection	Minimum			50		62.5		70	
	Maximum			130		162.5		182	
Casing	Colour			Daikin White					
	Material			Painted galvanised steel					
Dimensions	Packing	Height	mm	1,524					
		Width	mm	980		980		980	
		Depth	mm	420		420		420	
	Unit	Height	mm	1,345					
		Width	mm	900		900		900	
		Depth	mm	320		320		320	
Weight	Unit	kg		125		125		125	
	Packed Unit	kg		130		130		130	
Heat Exchanger	Dimensions	Length	mm	857		857		857	
		Nr of Rows		2		2		2	
		Fin Pitch	mm	2		2		2	
		Nr of Passes		10		10		10	
		Face Area	m²	1.131		1.131		1.131	
		Nr of Stages		60		60		60	
	Tube type		Hi-XSS (8)						
	Fin	Fin type		Non-symmetric waffle louvre					
		Treatment		Corrosion resistant					
Fan	Type		Propeller						
	Quantity		2		2		2		
	Air Flow Rate (nominal at 230V)	Cooling	m³/min	106		106		106	
		Heating	m³/min	102		105		105	
	Discharge direction		Horizontal						
	Motor	Quantity		2		2		2	
Model		Brushless DC motor							
Motor	Speed (nominal)	Cooling	rpm	850/815					
		Heating	rpm	820/785		840/805		840/805	
Fan	Motor	Drive		Direct drive					
		Output motor	W	70		70		70	
Compressor	Quantity		1		1		1		
	Motor	Quantity		1		1		1	
		Model		JT100G-VDL@T2					
		Type		Hermetically sealed scroll compressor					
		Speed	rpm	6,480					
		Motor Output	kW	2.5		3.0		3.5	
		Starting Method		Direct on line					
		Crankcase Heater	W	33		33		33	
Operation Range	Cooling	Min	°CDB	-5.0		-5.0		-5.0	
		Max	°CDB	46		46		46	
	Heating	Min	°CWB	-20		-20		-20	
		Max	°CWB	15.5		15.5		15.5	

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				RXYSQ4-6P7V3B		RXYSQ4-6P7V3B		RXYSQ4-6P7V3B	
Sound Level	Cooling	Sound Power	dBA	66		67		69	
		Sound Pressure	dBA	50		51		53	
	Heating	Sound Pressure	dBA	52		53		55	
Refrigerant	Name			R-410A					
	Charge		kg	4.0		4.0		4.0	
	Control			Expansion valve (electronic type)					
	Nr of Circuits			1		1		1	
Refrigerant Oil	Name			Daphne FVC68D					
	Charged Volume		l	1.5		1.5		1.5	
Piping connections	Liquid (OD)	Type		Flare connection					
		Diameter (OD)	mm	9.5		9.5		9.5	
	Gas	Type		Flare connection					
		Diameter (OD)	mm	15.9		15.9		19.1	
	Drain	Quantity		3		3		3	
		Diameter (OD)	mm	26 x 3					
	Heat Insulation			Both liquid and gas pipes					
	Max total length		m	300		300		300	
Defrost Method				Reversed cycle					
Defrost control				Sensor for outdoor heat exchanger temperature					
Capacity control method				Inverter controlled					
Capacity Control				24 to 100					
Safety devices				HPS					
				Fan motor thermal protection					
				Inverter overload protector					
				PC board fuse					
Standard Accessories	Standard Accessories			Installation and operation manual					
	Quantity			1		1		1	
	Standard Accessories							Connection pipes	
	Quantity							3	
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, inlet water temperature : 30°C, equivalent refrigerant piping : 7.5m, level difference : 0m.					
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m					
				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 sound level drawings.					
				Sound values are measured in a semi-anechoic room.					

1 Specifications

1.2 ELECTRICAL SPECIFICATIONS				RXYSQ4P7V3B	RXYSQ6P7V3B	RXYSQ8P7V3B
Power Supply	Name			V3		
	Phase			1	1	1
	Frequency		Hz	50	50	50
	Voltage		V	230	230	230
Current	Nominal running current (RLA)	Coding	A	15.9	20.2	22.2
			A	15.9	20.2	22.2
	Starting current (MSC)		A	15.9	20.2	22.2
	Z-max	List	No requirements			
	Minimum circuit amps (MCA)		A	27.0	27.0	27.0
	Maximum fuse amps (MFA)		A	32.0	32.0	32.0
	Total overcurrent amps (TOCA)		A	27.0	27.0	27.0
	Full load amps (FLA)		A	0.3+0.3 (fan motor)		
Voltage range	Minimum		V	207	207	207
	Maximum		V	264	264	264
Wiring connections	For Power Supply	Quantity		3	3	3
		Remark		Earth wire included		
	For connection with indoor	Quantity		2	2	2
		Remark		F1+F2		
Power Supply Intake				Both indoor and outdoor unit		
Notes				RLA is based on following conditions : indoor temperature : 27°CDB/19°CWB , outdoor temperature : 35°CDB		
				TOCA means the total value of each OC set		
				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 larger value of MCA or TOCA		
				Instead of fuse, use circuit breaker. MFA is used to select circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker)		
				MSC means the maximum current during start up of the compressor		

2 Options

RXYSQ-PV

No	Item	RXYSQ4PV	RXYSQ5PV	RXYSQ6PV
1	COOL/HEAT SELECTOR		KRC19-26A6	
2	FIXING BOX		KJB111A	
3	REFNET HEADER		KHRQ22M29H	
4	REFNET JOINT		KHRQ22M20T	
5	CENTRAL DRAIN PAN KIT		KXPJ5F180	

NOTES

- 1 All options are kits.

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3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ4PV

Connection indoor units: FXSQ50MVE x 2 units
FXSQ50M7V1B x 2 units

[Cooling capacity characteristics]

Combination 100%

TC: Total capacity: kW; PI: Power input: kW

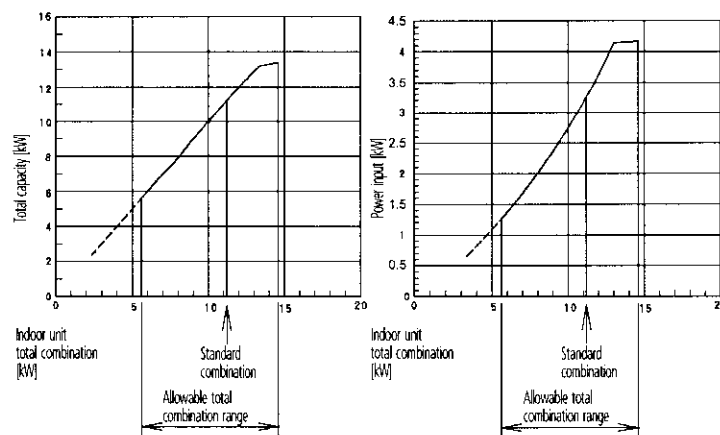
Outdoor air temp. °CDB	Indoor air temperature: °CWB													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
10	7.56	1.12	9.02	1.36	10.5	1.61	11.2	1.74	11.9	1.87	13.4	2.14	14.8	2.41
12	7.56	1.14	9.02	1.38	10.5	1.64	11.2	1.77	11.9	1.90	13.4	2.18	14.8	2.45
14	7.56	1.16	9.02	1.41	10.5	1.67	11.2	1.80	11.9	1.94	13.4	2.22	14.8	2.50
16	7.56	1.18	9.02	1.44	10.5	1.70	11.2	1.84	11.9	1.98	13.4	2.26	14.8	2.60
18	7.56	1.20	9.02	1.46	10.5	1.74	11.2	1.88	11.9	2.02	13.4	2.39	14.8	2.81
20	7.56	1.23	9.02	1.49	10.5	1.79	11.2	1.97	11.9	2.16	13.4	2.57	14.8	3.02
21	7.56	1.24	9.02	1.51	10.5	1.85	11.2	2.04	11.9	2.24	13.4	2.67	14.8	3.13
23	7.56	1.27	9.02	1.61	10.5	1.98	11.2	2.19	11.9	2.40	13.4	2.86	14.8	3.30
25	7.56	1.36	9.02	1.72	10.5	2.12	11.2	2.34	11.9	2.57	13.4	3.07	14.8	3.45
27	7.56	1.44	9.02	1.83	10.5	2.27	11.2	2.50	11.9	2.75	13.4	3.28	14.8	3.59
29	7.56	1.54	9.02	1.95	10.5	2.42	11.2	2.68	11.9	2.94	13.4	3.51	14.8	3.74
31	7.56	1.64	9.02	2.08	10.5	2.58	11.2	2.86	11.9	3.14	13.4	3.75	14.8	3.88
33	7.56	1.74	9.02	2.22	10.5	2.76	11.2	3.05	11.9	3.35	13.4	4.00	14.8	4.03
35	7.56	1.85	9.02	2.36	10.5	2.94	11.2	3.25	11.9	3.58	13.4	4.15	14.8	4.18
37	7.56	1.97	9.02	2.51	10.5	3.13	11.2	3.46	11.9	3.82	13.4	4.29	14.8	4.32
39	7.56	2.09	9.02	2.67	10.5	3.33	11.2	3.69	11.9	4.07	13.4	4.44	14.8	4.47

Combination 50%

Outdoor air temp. °CDB	Indoor air temperature: °CWB													
	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
10	3.78	0.59	4.51	0.68	5.24	0.77	5.60	0.83	5.96	0.88	6.69	0.99	7.42	1.10
12	3.78	0.59	4.51	0.69	5.24	0.79	5.60	0.84	5.96	0.89	6.69	1.00	7.42	1.12
14	3.78	0.60	4.51	0.70	5.24	0.80	5.60	0.85	5.96	0.91	6.69	1.02	7.42	1.14
16	3.78	0.61	4.51	0.71	5.24	0.81	5.60	0.87	5.96	0.92	6.69	1.04	7.42	1.16
18	3.78	0.62	4.51	0.72	5.24	0.82	5.60	0.88	5.96	0.94	6.69	1.06	7.42	1.18
20	3.78	0.63	4.51	0.73	5.24	0.84	5.60	0.90	5.96	0.95	6.69	1.08	7.42	1.20
21	3.78	0.63	4.51	0.73	5.24	0.85	5.60	0.90	5.96	0.96	6.69	1.09	7.42	1.21
23	3.78	0.64	4.51	0.75	5.24	0.86	5.60	0.92	5.96	0.98	6.69	1.11	7.42	1.24
25	3.78	0.65	4.51	0.76	5.24	0.88	5.60	0.94	5.96	1.01	6.69	1.16	7.42	1.32
27	3.78	0.66	4.51	0.79	5.24	0.92	5.60	1.00	5.96	1.07	6.69	1.24	7.42	1.42
29	3.78	0.70	4.51	0.83	5.24	0.98	5.60	1.06	5.96	1.14	6.69	1.32	7.42	1.50
31	3.78	0.74	4.51	0.88	5.24	1.04	5.60	1.12	5.96	1.21	6.69	1.40	7.42	1.60
33	3.78	0.78	4.51	0.93	5.24	1.10	5.60	1.19	5.96	1.29	6.69	1.48	7.42	1.70
35	3.78	0.82	4.51	0.99	5.24	1.17	5.60	1.26	5.96	1.36	6.69	1.58	7.42	1.80
37	3.78	0.87	4.51	1.04	5.24	1.24	5.60	1.34	5.96	1.45	6.69	1.67	7.42	1.92
39	3.78	0.91	4.51	1.10	5.24	1.31	5.60	1.42	5.96	1.53	6.69	1.77	7.42	2.04

Other combinations than shown in the table are calculated as follows. (specified point).

[50Hz]



$$ICA = \frac{OCA \times INX}{TNX}$$

Where,
ICA = Individual indoor unit capacity (power input)
OCA = Outdoor unit capacity (power input)
INX = Individual indoor unit capacity index
TNX = Total capacity index

NOTES

- This table shows outdoor unit cooling capacity and power input of combination as shown below.

Combination 100%	Indoor unit total cooling capacity	11.2
Combination 50%	Indoor unit total cooling capacity	5.6

- PI of indoor units is not included in the table.
- is specified point.
- Characteristics of left table is based on the following conditions.
 - Actual piping length ----- 7.5m
 - Level difference ----- 0m
 - Gas pipe connection port ----- ø15.9
- Those numbers on the left table are average values in ordinary situations.

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3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ5PV

Connection indoor units: FXSQ63MVE x 2 units
FXSQ63M7V1B x 2 units

[Cooling capacity characteristics]

Combination 100%

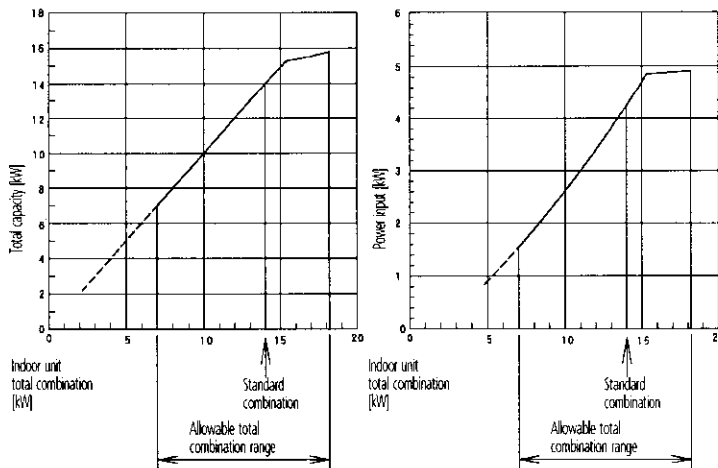
TC: Total capacity: kW; PI: Power input: kW

	Outdoor air temp. °CDB	Indoor air temperature: °CWB													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	10	9.45	1.46	11.3	1.78	13.1	2.10	14.0	2.27	14.9	2.44	16.7	2.79	18.6	3.15
	12	9.45	1.49	11.3	1.81	13.1	2.14	14.0	2.32	14.9	2.49	16.7	2.85	18.6	3.21
	14	9.45	1.52	11.3	1.84	13.1	2.18	14.0	2.36	14.9	2.54	16.7	2.90	18.5	3.24
	16	9.45	1.54	11.3	1.88	13.1	2.23	14.0	2.41	14.9	2.59	16.7	2.96	18.2	3.30
	18	9.45	1.57	11.3	1.91	13.1	2.27	14.0	2.45	14.9	2.64	16.7	3.13	18.0	3.47
	20	9.45	1.60	11.3	1.95	13.1	2.34	14.0	2.58	14.9	2.83	16.7	3.36	17.7	3.63
	21	9.45	1.62	11.3	1.97	13.1	2.42	14.0	2.67	14.9	2.93	16.7	3.49	17.6	3.72
	23	9.45	1.66	11.3	2.10	13.1	2.59	14.0	2.86	14.9	3.14	16.7	3.74	17.4	3.89
	25	9.45	1.77	11.3	2.24	13.1	2.78	14.0	3.06	14.9	3.36	16.7	4.01	17.1	4.06
	27	9.45	1.89	11.3	2.40	13.1	2.97	14.0	3.27	14.9	3.60	16.5	4.20	16.9	4.23
	29	9.45	2.01	11.3	2.56	13.1	3.17	14.0	3.50	14.9	3.85	16.3	4.37	16.6	4.40
	31	9.45	2.14	11.3	2.72	13.1	3.38	14.0	3.74	14.9	4.11	16.0	4.54	16.4	4.57
	33	9.45	2.28	11.3	2.90	13.1	3.60	14.0	3.99	14.9	4.39	15.8	4.71	16.1	4.74
	35	9.45	2.42	11.3	3.09	13.1	3.84	14.0	4.25	14.9	4.68	15.5	4.88	15.9	4.92
	37	9.45	2.57	11.3	3.29	13.1	4.09	14.0	4.53	14.9	4.99	15.3	5.05	15.6	5.09
	39	9.45	2.73	11.3	3.50	13.1	4.36	14.0	4.83	14.7	5.18	15.0	5.23	15.4	5.27

Combination 50%

	Outdoor air temp. °CDB	Indoor air temperature: °CWB													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	10	4.72	0.77	5.63	0.89	6.54	1.01	7.00	1.08	7.46	1.15	8.37	1.29	9.28	1.44
	12	4.72	0.77	5.63	0.90	6.54	1.03	7.00	1.10	7.46	1.17	8.37	1.31	9.28	1.46
	14	4.72	0.79	5.63	0.91	6.54	1.04	7.00	1.11	7.46	1.19	8.37	1.33	9.28	1.49
	16	4.72	0.80	5.63	0.92	6.54	1.06	7.00	1.13	7.46	1.21	8.37	1.36	9.28	1.51
	18	4.72	0.81	5.63	0.94	6.54	1.08	7.00	1.15	7.46	1.23	8.37	1.38	9.28	1.54
	20	4.72	0.82	5.63	0.95	6.54	1.10	7.00	1.17	7.46	1.25	8.37	1.41	9.28	1.57
	21	4.72	0.82	5.63	0.96	6.54	1.11	7.00	1.18	7.46	1.26	8.37	1.42	9.28	1.59
	23	4.72	0.84	5.63	0.98	6.54	1.13	7.00	1.20	7.46	1.28	8.37	1.45	9.28	1.62
	25	4.72	0.85	5.63	0.99	6.54	1.15	7.00	1.23	7.46	1.32	8.37	1.52	9.28	1.73
	27	4.72	0.86	5.63	1.03	6.54	1.21	7.00	1.30	7.46	1.40	8.37	1.62	9.28	1.84
	29	4.72	0.91	5.63	1.09	6.54	1.28	7.00	1.39	7.46	1.49	8.37	1.72	9.28	1.96
	31	4.72	0.96	5.63	1.15	6.54	1.36	7.00	1.47	7.46	1.58	8.37	1.83	9.28	2.09
	33	4.72	1.02	5.63	1.22	6.54	1.44	7.00	1.56	7.46	1.68	8.37	1.94	9.28	2.22
	35	4.72	1.08	5.63	1.29	6.54	1.53	7.00	1.65	7.46	1.78	8.37	2.06	9.28	2.36
	37	4.72	1.13	5.63	1.36	6.54	1.62	7.00	1.75	7.46	1.89	8.37	2.19	9.28	2.51
	39	4.72	1.20	5.63	1.44	6.54	1.71	7.00	1.85	7.46	2.00	8.37	2.32	9.28	2.66

Other combinations than shown in the table are calculated as follows. (specified point).
[50Hz]



$$ICA = \frac{OCA \times INX}{TNX}$$

Where,
ICA = Individual indoor unit capacity (power input)
OCA = Outdoor unit capacity (power input)
INX = Individual indoor unit capacity index
TNX = Total capacity index

NOTES

- This table shows outdoor unit cooling capacity and power input of combination as shown below.

Combination 100%	Indoor unit total cooling capacity	14.0
Combination 50%	Indoor unit total cooling capacity	7.0
- PI of indoor units is not included in the table.
- is specified point.
- Characteristics of left table is based on the following conditions.
 - Actual piping length ----- 7.5m
 - Level difference ----- 0m
 - Gas pipe connection port ----- ø15.9
- Those numbers on the left table are average values in ordinary situations.

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3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ6PV

Connection indoor units: FXSQ63MVE + FXSQ80MVE
FXSQ63M7V1B + FXSQ80M7V1B

[Cooling capacity characteristics]

Combination 100%

TC: Total capacity: kW; PI: Power input: kW

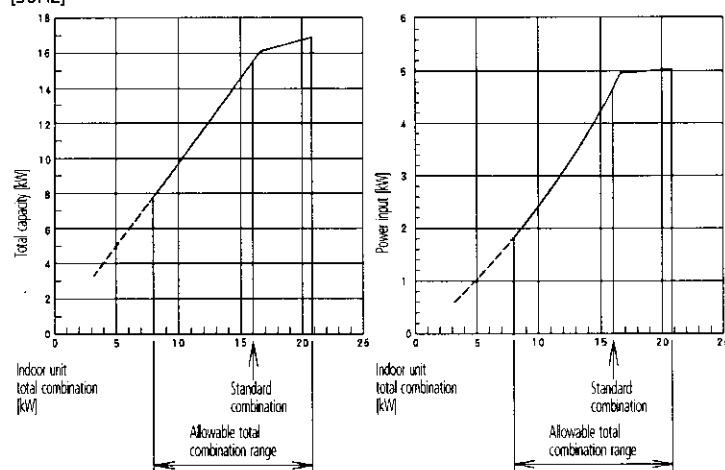
	Outdoor air temp. °CDB	Indoor air temperature: °CWB													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	10	10.5	1.61	12.5	1.95	14.5	2.31	15.5	2.50	16.5	2.69	18.5	3.07	20.2	3.36
	12	10.5	1.64	12.5	1.99	14.5	2.36	15.5	2.54	16.5	2.74	18.5	3.13	20.0	3.35
	14	10.5	1.67	12.5	2.02	14.5	2.40	15.5	2.59	16.5	2.79	18.5	3.19	19.7	3.33
	16	10.5	1.70	12.5	2.06	14.5	2.45	15.5	2.64	16.5	2.84	18.5	3.25	19.4	3.38
	18	10.5	1.73	12.5	2.10	14.5	2.49	15.5	2.70	16.5	2.90	18.5	3.44	19.2	3.55
	20	10.5	1.76	12.5	2.14	14.5	2.57	15.5	2.83	16.5	3.11	18.5	3.70	18.9	3.73
	21	10.5	1.78	12.5	2.16	14.5	2.66	15.5	2.93	16.5	3.22	18.4	3.79	18.8	3.81
	23	10.5	1.83	12.5	2.31	14.5	2.85	15.5	3.14	16.5	3.45	18.1	3.96	18.5	3.99
	25	10.5	1.95	12.5	2.47	14.5	3.05	15.5	3.37	16.5	3.70	17.9	4.13	18.3	4.16
	27	10.5	2.08	12.5	2.63	14.5	3.26	15.5	3.60	16.5	3.95	17.6	4.31	18.0	4.34
	29	10.5	2.21	12.5	2.81	14.5	3.48	15.5	3.84	16.5	4.23	17.4	4.48	17.7	4.51
	31	10.5	2.35	12.5	2.99	14.5	3.71	15.5	4.10	16.5	4.51	17.1	4.65	17.5	4.69
	33	10.5	2.50	12.5	3.19	14.5	3.96	15.5	4.38	16.5	4.79	16.8	4.83	17.2	4.87
	35	10.5	2.66	12.5	3.39	14.5	4.22	15.5	4.67	16.2	4.97	16.6	5.01	16.9	5.05
	37	10.5	2.82	12.5	3.61	14.5	4.50	15.5	4.98	15.9	5.14	16.3	5.18	16.7	5.23
	39	10.5	3.00	12.5	3.84	14.5	4.79	15.5	5.29	15.7	5.32	16.0	5.36	16.4	5.41

Combination 50%

	Outdoor air temp. °CDB	Indoor air temperature: °CWB													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	10	5.23	0.84	6.24	0.97	7.25	1.11	7.75	1.19	8.25	1.26	9.26	1.42	10.3	1.58
	12	5.23	0.85	6.24	0.99	7.25	1.13	7.75	1.20	8.25	1.28	9.26	1.44	10.3	1.61
	14	5.23	0.86	6.24	1.00	7.25	1.15	7.75	1.22	8.25	1.30	9.26	1.46	10.3	1.63
	16	5.23	0.87	6.24	1.02	7.25	1.17	7.75	1.24	8.25	1.32	9.26	1.49	10.3	1.66
	18	5.23	0.89	6.24	1.03	7.25	1.19	7.75	1.27	8.25	1.35	9.26	1.52	10.3	1.69
	20	5.23	0.90	6.24	1.05	7.25	1.21	7.75	1.29	8.25	1.37	9.26	1.55	10.3	1.73
	21	5.23	0.91	6.24	1.06	7.25	1.22	7.75	1.30	8.25	1.38	9.26	1.56	10.3	1.74
	23	5.23	0.92	6.24	1.07	7.25	1.24	7.75	1.32	8.25	1.41	9.26	1.59	10.3	1.78
	25	5.23	0.93	6.24	1.09	7.25	1.26	7.75	1.35	8.25	1.45	9.26	1.67	10.3	1.90
	27	5.23	0.95	6.24	1.13	7.25	1.33	7.75	1.43	8.25	1.54	9.26	1.78	10.3	2.03
	29	5.23	1.00	6.24	1.20	7.25	1.41	7.75	1.52	8.25	1.64	9.26	1.89	10.3	2.16
	31	5.23	1.06	6.24	1.27	7.25	1.49	7.75	1.62	8.25	1.74	9.26	2.01	10.3	2.30
	33	5.23	1.12	6.24	1.34	7.25	1.58	7.75	1.71	8.25	1.85	9.26	2.13	10.3	2.44
	35	5.23	1.18	6.24	1.42	7.25	1.68	7.75	1.82	8.25	1.96	9.26	2.26	10.3	2.59
	37	5.23	1.25	6.24	1.50	7.25	1.77	7.75	1.92	8.25	2.08	9.26	2.40	10.3	2.75
	39	5.23	1.31	6.24	1.58	7.25	1.88	7.75	2.04	8.25	2.20	9.26	2.55	10.3	2.93

Other combinations than shown in the table are calculated as follows. (specified point).

[50Hz]



NOTES

- 1 This table shows outdoor unit cooling capacity and power input of combination as shown below.

Combination 100%	Indoor unit total cooling capacity	15.5
Combination 50%	Indoor unit total cooling capacity	7.8

- 2 PI of indoor units is not included in the table.
- 3 is specified point.
- 4 Characteristics of left table is based on the following conditions.
 - Actual piping length ----- 7.5m
 - Level difference ----- 0m
 - Gas pipe connection port ----- ø19.1
- 5 Those numbers on the left table are average values in ordinary situations.

3D052697

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ4PV

Connection indoor units: FXSQ50MVE x 2 units
FXSQ50M7V1B x 2 units

[Heating capacity characteristics]

Combination 100%

TC: Total capacity; kW; PI: Power input; kW

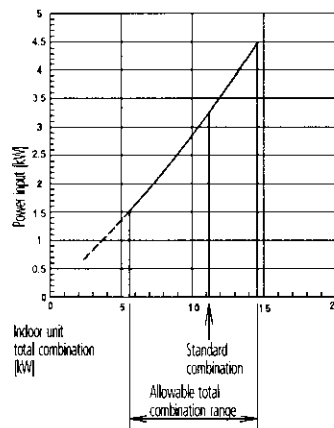
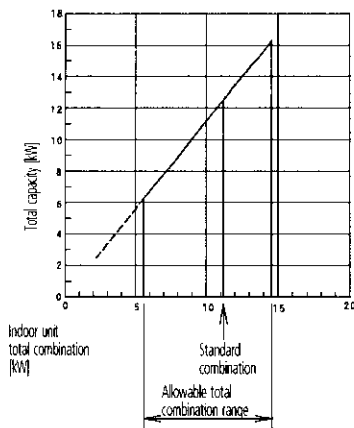
	Outdoor air temp.		Indoor air temperature: °CDB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	10.1	4.50	10.0	4.62	10.0	4.74	10.0	4.80	10.0	4.86	9.98	4.98
	-18.8	-19.0	10.4	4.56	10.4	4.68	10.3	4.80	10.3	4.86	10.3	4.91	10.3	5.03
	-16.7	-17.0	11.0	4.69	11.0	4.80	10.9	4.91	10.9	4.96	10.9	5.02	10.9	5.12
	-14.7	-15.0	11.6	4.79	11.6	4.90	11.6	5.00	11.5	5.05	11.5	5.11	10.9	4.77
	-12.6	-13.0	12.2	4.89	12.2	4.99	12.2	5.09	12.1	5.10	11.7	4.88	10.9	4.46
	-10.5	-11.0	12.8	4.98	12.8	5.08	12.5	4.99	12.1	4.78	11.7	4.58	10.9	4.18
	-9.5	-10.0	13.1	5.02	13.1	5.12	12.5	4.84	12.1	4.64	11.7	4.44	10.9	4.06
	-8.5	-9.1	13.4	5.06	13.3	5.10	12.5	4.71	12.1	4.51	11.7	4.32	10.9	3.96
	-7.0	-7.6	13.9	5.12	13.3	4.88	12.5	4.51	12.1	4.32	11.7	4.14	10.9	3.79
	-5.0	-5.6	14.1	4.98	13.3	4.61	12.5	4.26	12.1	4.09	11.7	3.92	10.9	3.59
	-3.0	-3.7	14.1	4.73	13.3	4.39	12.5	4.05	12.1	3.89	11.7	3.73	10.9	3.42
	0.0	-0.7	14.1	4.38	13.3	4.07	12.5	3.77	12.1	3.62	11.7	3.47	10.9	3.19
	3.0	2.2	14.1	4.09	13.3	3.80	12.5	3.52	12.1	3.39	11.7	3.25	10.9	2.99
	5.0	4.1	14.1	3.92	13.3	3.65	12.5	3.38	12.1	3.25	11.7	3.12	10.9	2.87
	7.0	6.0	14.1	3.76	13.3	3.50	12.5	3.25	12.1	3.13	11.7	3.00	10.9	2.76
	9.0	7.9	14.1	3.62	13.3	3.37	12.5	3.13	12.1	3.01	11.7	2.89	10.9	2.67
	11.0	9.8	14.1	3.49	13.3	3.25	12.5	3.02	12.1	2.90	11.7	2.79	10.9	2.57
	13.0	11.8	14.1	3.36	13.3	3.13	12.5	2.91	12.1	2.80	11.7	2.69	10.9	2.48
	15.0	13.7	14.1	3.24	13.3	3.02	12.5	2.81	12.1	2.71	11.7	2.61	10.9	2.41

Combination 50%

	Outdoor air temp.		Indoor air temperature: °CDB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	7.05	3.32	6.65	3.10	6.25	2.88	6.05	2.77	5.85	2.67	5.45	2.46
	-18.8	-19.0	7.05	3.20	6.65	2.99	6.25	2.78	6.05	2.68	5.85	2.57	5.45	2.38
	-16.7	-17.0	7.05	2.99	6.65	2.79	6.25	2.60	6.05	2.50	5.85	2.41	5.45	2.23
	-14.7	-15.0	7.05	2.80	6.65	2.62	6.25	2.44	6.05	2.35	5.85	2.26	5.45	2.10
	-12.6	-13.0	7.05	2.64	6.65	2.47	6.25	2.30	6.05	2.22	5.85	2.14	5.45	1.98
	-10.5	-11.0	7.05	2.49	6.65	2.33	6.25	2.18	6.05	2.10	5.85	2.03	5.45	1.88
	-9.5	-10.0	7.05	2.42	6.65	2.27	6.25	2.12	6.05	2.05	5.85	1.98	5.45	1.83
	-8.5	-9.1	7.05	2.37	6.65	2.22	6.25	2.07	6.05	2.00	5.85	1.93	5.45	1.79
	-7.0	-7.6	7.05	2.28	6.65	2.14	6.25	2.00	6.05	1.93	5.85	1.86	5.45	1.73
	-5.0	-5.6	7.05	2.17	6.65	2.04	6.25	1.91	6.05	1.84	5.85	1.78	5.45	1.65
	-3.0	-3.7	7.05	2.08	6.65	1.95	6.25	1.83	6.05	1.77	5.85	1.71	5.45	1.59
	0.0	-0.7	7.05	1.95	6.65	1.84	6.25	1.72	6.05	1.66	5.85	1.61	5.45	1.50
	3.0	2.2	7.05	1.84	6.65	1.74	6.25	1.63	6.05	1.58	5.85	1.52	5.45	1.42
	5.0	4.1	7.05	1.78	6.65	1.68	6.25	1.57	6.05	1.52	5.85	1.47	5.45	1.37
	7.0	6.0	7.05	1.72	6.65	1.62	6.25	1.52	6.05	1.47	5.85	1.43	5.45	1.33
	9.0	7.9	7.05	1.67	6.65	1.57	6.25	1.48	6.05	1.43	5.85	1.38	5.45	1.29
	11.0	9.8	7.05	1.61	6.65	1.52	6.25	1.43	6.05	1.39	5.85	1.34	5.45	1.26
	13.0	11.8	7.05	1.56	6.65	1.48	6.25	1.39	6.05	1.35	5.85	1.30	5.45	1.22
	15.0	13.7	7.05	1.52	6.65	1.44	6.25	1.35	6.05	1.31	5.85	1.27	5.45	1.19

Other combinations than shown in the table are calculated as follows. (specified point).

[50Hz]



Where,
ICA = Individual indoor unit capacity (power input)
OCA = Outdoor unit capacity (power input)
INX = Individual indoor unit capacity index
TNX = Total capacity index

$$ICA = \frac{OCA \times INX}{TNX}$$

NOTES

- This table shows outdoor unit heating capacity and power input of combination as shown below.

Combination 100%	Indoor unit total heating capacity	12.5
Combination 50%	Indoor unit total heating capacity	6.3
- PI of indoor units is not included in the table.
- is specified point.
- Characteristics of left table is based on the following conditions.
 - Actual piping length ----- 7.5m
 - Level difference ----- 0m
 - Gas pipe connection port ----- ø15.9
- Those numbers on the left table are average values in ordinary situations.
- The relative humidity of outdoor air at heating is 85%. However, when the outdoor air temperature is 7°CDB, the wet bulb temperature is 6°CWB.
- ☆ is shown as reference.
When selecting the unit models, avoid the outdoor air temperature range shown by ☆.

3D052694

3 Capacity tables

3 - 2 Heating capacity tables

1
3

RXYSQ5PV

Connection indoor units: FXSQ63MVE x 2 units
FXSQ63M7V1B x 2 units

[Heating capacity characteristics]

Combination 100%

TC: Total capacity: kW, PI: Power input: kW

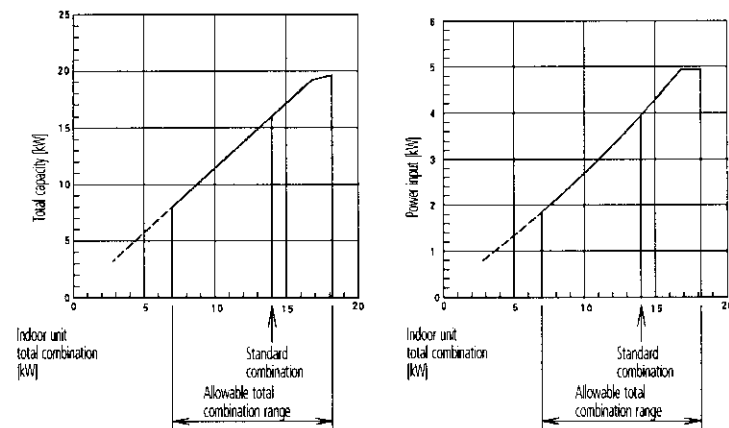
	Outdoor air temp.		Indoor air temperature: °CDB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	10.9	3.95	10.9	4.09	10.9	4.24	10.9	4.31	10.8	4.38	10.8	4.53
	-18.8	-19.0	11.3	4.03	11.2	4.17	11.2	4.31	11.2	4.38	11.2	4.45	11.1	4.59
	-16.7	-17.0	11.9	4.17	11.9	4.31	11.9	4.44	11.8	4.51	11.8	4.57	11.8	4.71
	-14.7	-15.0	12.6	4.30	12.5	4.43	12.5	4.56	12.5	4.62	12.5	4.68	12.5	4.81
	-12.6	-13.0	13.2	4.42	13.2	4.54	13.2	4.66	13.2	4.72	13.1	4.78	13.1	4.90
	-10.5	-11.0	13.9	4.53	13.9	4.64	13.8	4.76	13.8	4.81	13.8	4.87	13.8	4.99
	-9.5	-10.0	14.2	4.58	14.2	4.69	14.2	4.80	14.1	4.86	14.1	4.91	13.9	4.94
	-8.5	-9.1	14.5	4.62	14.5	4.73	14.5	4.84	14.4	4.89	14.4	4.95	13.9	4.81
	-7.0	-7.6	15.0	4.69	15.0	4.80	14.9	4.90	14.9	4.95	14.9	5.01	13.9	4.61
	-5.0	-5.6	15.7	4.77	15.6	4.87	15.6	4.98	15.5	4.97	15.0	4.77	13.9	4.37
	-3.0	-3.7	16.3	4.85	16.3	4.94	16.0	4.93	15.5	4.73	15.0	4.54	13.9	4.16
	0.0	-0.7	17.3	4.95	17.0	4.94	16.0	4.58	15.5	4.40	15.0	4.22	13.9	3.87
	3.0	2.2	18.1	4.97	17.0	4.62	16.0	4.28	15.5	4.12	15.0	3.95	13.9	3.63
	5.0	4.1	18.1	4.76	17.0	4.43	16.0	4.11	15.5	3.95	15.0	3.80	13.9	3.49
	7.0	6.0	18.1	4.57	17.0	4.26	16.0	3.95	15.5	3.80	15.0	3.65	13.9	3.36
	9.0	7.9	18.1	4.40	17.0	4.10	16.0	3.80	15.5	3.66	15.0	3.52	13.9	3.24
	11.0	9.8	18.1	4.24	17.0	3.95	16.0	3.67	15.5	3.53	15.0	3.39	13.9	3.13
	13.0	11.8	18.1	4.08	17.0	3.80	16.0	3.54	15.5	3.40	15.0	3.27	13.9	3.02
	15.0	13.7	18.1	3.94	17.0	3.68	16.0	3.42	15.5	3.29	15.0	3.17	13.9	2.92

Combination 50%

	Outdoor air temp.		Indoor air temperature: °CDB											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	9.03	4.04	8.51	3.77	8.00	3.50	7.74	3.37	7.49	3.24	6.97	2.99
	-18.8	-19.0	9.03	3.89	8.51	3.63	8.00	3.38	7.74	3.25	7.49	3.13	6.97	2.89
	-16.7	-17.0	9.03	3.63	8.51	3.39	8.00	3.16	7.74	3.04	7.49	2.93	6.97	2.71
	-14.7	-15.0	9.03	3.40	8.51	3.18	8.00	2.96	7.74	2.86	7.49	2.75	6.97	2.55
	-12.6	-13.0	9.03	3.20	8.51	3.00	8.00	2.80	7.74	2.70	7.49	2.60	6.97	2.41
	-10.5	-11.0	9.03	3.03	8.51	2.84	8.00	2.65	7.74	2.55	7.49	2.46	6.97	2.28
	-9.5	-10.0	9.03	2.95	8.51	2.76	8.00	2.58	7.74	2.49	7.49	2.40	6.97	2.23
	-8.5	-9.1	9.03	2.88	8.51	2.70	8.00	2.52	7.74	2.43	7.49	2.35	6.97	2.18
	-7.0	-7.6	9.03	2.77	8.51	2.60	8.00	2.43	7.74	2.35	7.49	2.26	6.97	2.10
	-5.0	-5.6	9.03	2.64	8.51	2.48	8.00	2.32	7.74	2.24	7.49	2.16	6.97	2.01
	-3.0	-3.7	9.03	2.53	8.51	2.38	8.00	2.22	7.74	2.15	7.49	2.08	6.97	1.93
	0.0	-0.7	9.03	2.37	8.51	2.23	8.00	2.09	7.74	2.02	7.49	1.95	6.97	1.82
	3.0	2.2	9.03	2.24	8.51	2.11	8.00	1.98	7.74	1.91	7.49	1.85	6.97	1.72
	5.0	4.1	9.03	2.16	8.51	2.04	8.00	1.91	7.74	1.85	7.49	1.79	6.97	1.67
	7.0	6.0	9.03	2.09	8.51	1.97	8.00	1.85	7.74	1.79	7.49	1.73	6.97	1.62
	9.0	7.9	9.03	2.02	8.51	1.91	8.00	1.79	7.74	1.74	7.49	1.68	6.97	1.57
	11.0	9.8	9.03	1.96	8.51	1.85	8.00	1.74	7.74	1.69	7.49	1.63	6.97	1.53
	13.0	11.8	9.03	1.90	8.51	1.79	8.00	1.69	7.74	1.64	7.49	1.58	6.97	1.48
	15.0	13.7	9.03	1.85	8.51	1.74	8.00	1.64	7.74	1.59	7.49	1.54	6.97	1.44

Other combinations than shown in the table are calculated as follows. (specified point).

[50Hz]



$$ICA = \frac{OCA \times INX}{TNX}$$

Where,
ICA = Individual indoor unit capacity (power input)
OCA = Outdoor unit capacity (power input)
INX = Individual indoor unit capacity index
TNX = Total capacity index

NOTES

- This table shows outdoor unit heating capacity and power input of combination as shown below.

Combination 100%	Indoor unit total heating capacity	16.0
Combination 50%	Indoor unit total heating capacity	8.0
- PI of indoor units is not included in the table.
- is specified point.
- Characteristics of left table is based on the following conditions.
 - Actual piping length ----- 7.5m
 - Level difference ----- 0m
 - Gas pipe connection port ----- ø15.9
- Those numbers on the left table are average values in ordinary situations.
- The relative humidity of outdoor air at heating is 85%. However, when the outdoor air temperature is 7°CDB, the wet bulb temperature is 6°CWB.
- ☆ is shown as reference.
When selecting the unit models, avoid the outdoor air temperature range shown by ☆.

3D052696

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ6PV

Connection indoor units: FXSQ63MVE + FXSQ80MVE
FXSQ63M7V1B + FXSQ80M7V1B

[Heating capacity characteristics]

Combination 100%

Indoor air temperature: °CDB

TC: Total capacity; kW; PI: Power input; kW

	Outdoor air temp.		16.0		18.0		20.0		21.0		22.0		24.0	
			°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	11.1	3.71	11.1	3.88	11.1	4.05	11.1	4.14	11.0	4.22	11.0	4.39
	-18.8	-19.0	11.5	3.81	11.4	3.97	11.4	4.13	11.4	4.22	11.4	4.30	11.3	4.46
	-16.7	-17.0	12.1	3.98	12.1	4.13	12.1	4.29	12.1	4.36	12.0	4.44	12.0	4.60
	-14.7	-15.0	12.8	4.13	12.8	4.27	12.7	4.42	12.7	4.49	12.7	4.57	12.7	4.71
	-12.6	-13.0	13.5	4.26	13.4	4.40	13.4	4.54	13.4	4.61	13.4	4.68	13.3	4.82
	-10.5	-11.0	14.1	4.39	14.1	4.52	14.1	4.65	14.1	4.72	14.0	4.79	14.0	4.92
	-9.5	-10.0	14.5	4.45	14.4	4.58	14.4	4.70	14.4	4.77	14.4	4.83	14.3	4.96
	-8.5	-9.1	14.8	4.50	14.7	4.62	14.7	4.75	14.7	4.81	14.7	4.88	14.6	5.00
	-7.0	-7.6	15.3	4.57	15.2	4.70	15.2	4.82	15.2	4.88	15.2	4.94	15.1	5.06
	-5.0	-5.6	15.9	4.67	15.9	4.79	15.9	4.91	15.9	4.96	15.8	5.02	15.7	5.08
	-3.0	-3.7	16.6	4.76	16.5	4.87	16.5	4.98	16.5	5.04	16.5	5.09	16.4	5.14
	0.0	-0.7	17.6	4.88	17.5	4.98	17.5	5.09	17.4	5.11	16.8	4.90	15.7	4.50
	3.0	2.2	18.5	4.98	18.5	5.09	18.0	4.98	17.4	4.78	16.8	4.59	15.7	4.22
	5.0	4.1	19.2	5.05	19.1	5.15	18.0	4.77	17.4	4.59	16.8	4.41	15.7	4.06
	7.0	6.0	19.8	5.11	19.2	4.95	18.0	4.59	17.4	4.41	16.8	4.24	15.7	3.90
	9.0	7.9	20.3	5.11	19.2	4.76	18.0	4.42	17.4	4.25	16.8	4.09	15.7	3.76
	11.0	9.8	20.3	4.92	19.2	4.59	18.0	4.26	17.4	4.10	16.8	3.94	15.7	3.64
	13.0	11.8	20.3	4.74	19.2	4.42	18.0	4.11	17.4	3.96	16.8	3.80	15.7	3.51
	15.0	13.7	20.3	4.58	19.2	4.27	18.0	3.97	17.4	3.83	16.8	3.68	15.7	3.40

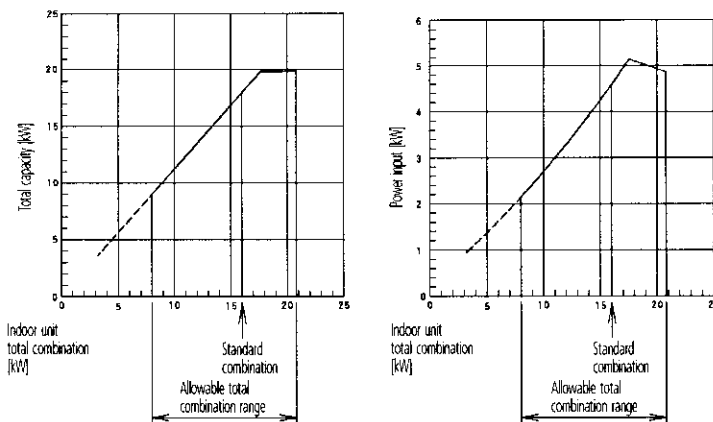
Combination 50%

Indoor air temperature: °CDB

	Outdoor air temp.		16.0		18.0		20.0		21.0		22.0		24.0	
			°CDB		°CWB		°CDB		°CWB		°CDB		°CWB	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50 Hz	-19.8	-20.0	10.2	4.69	9.58	4.38	9.00	4.07	8.71	3.91	8.42	3.77	7.84	3.47
	-18.8	-19.0	10.2	4.52	9.58	4.22	9.00	3.92	8.71	3.78	8.42	3.64	7.84	3.35
	-16.7	-17.0	10.2	4.22	9.58	3.94	9.00	3.67	8.71	3.53	8.42	3.40	7.84	3.14
	-14.7	-15.0	10.2	3.95	9.58	3.70	9.00	3.44	8.71	3.32	8.42	3.20	7.84	2.96
	-12.6	-13.0	10.2	3.72	9.58	3.48	9.00	3.25	8.71	3.13	8.42	3.02	7.84	2.80
	-10.5	-11.0	10.2	3.52	9.58	3.29	9.00	3.08	8.71	2.97	8.42	2.86	7.84	2.65
	-9.5	-10.0	10.2	3.42	9.58	3.21	9.00	3.00	8.71	2.89	8.42	2.79	7.84	2.59
	-8.5	-9.1	10.2	3.34	9.58	3.13	9.00	2.93	8.71	2.83	8.42	2.73	7.84	2.53
	-7.0	-7.6	10.2	3.22	9.58	3.02	9.00	2.82	8.71	2.73	8.42	2.63	7.84	2.44
	-5.0	-5.6	10.2	3.07	9.58	2.88	9.00	2.70	8.71	2.60	8.42	2.51	7.84	2.34
	-3.0	-3.7	10.2	2.64	9.58	2.76	9.00	2.59	8.71	2.50	8.42	2.41	7.84	2.24
	0.0	-0.7	10.2	2.76	9.58	2.59	9.00	2.43	8.71	2.35	8.42	2.27	7.84	2.12
	3.0	2.2	10.2	2.60	9.58	2.45	9.00	2.30	8.71	2.22	8.42	2.15	7.84	2.01
	5.0	4.1	10.2	2.51	9.58	2.37	9.00	2.22	8.71	2.15	8.42	2.08	7.84	1.94
	7.0	6.0	10.2	2.43	9.58	2.29	9.00	2.15	8.71	2.08	8.42	2.01	7.84	1.88
	9.0	7.9	10.2	2.35	9.58	2.22	9.00	2.08	8.71	2.02	8.42	1.95	7.84	1.83
	11.0	9.8	10.2	2.28	9.58	2.15	9.00	2.02	8.71	1.96	8.42	1.90	7.84	1.77
	13.0	11.8	10.2	2.21	9.58	2.09	9.00	1.96	8.71	1.90	8.42	1.84	7.84	1.72
	15.0	13.7	10.2	2.15	9.58	2.03	9.00	1.91	8.71	1.85	8.42	1.79	7.84	1.68

Other combinations than shown in the table are calculated as follows. (specified point).

[50Hz]



$$ICA = \frac{OCA \times INX}{TNX}$$

Where,
ICA = Individual indoor unit capacity (power input)
OCA = Outdoor unit capacity (power input)
INX = Individual indoor unit capacity index
TNX = Total capacity index

NOTES

- This table shows outdoor unit heating capacity and power input of combination as shown below.

Combination 100%	Indoor unit total heating capacity	18.0
Combination 50%	Indoor unit total heating capacity	9.0
- PI of indoor units is not included in the table.
- is specified point.
- Characteristics of left table is based on the following conditions.
 - Actual piping length ——— 7.5m
 - Level difference ——— 0m
 - Gas pipe connection port ——— ø19.1
- Those numbers on the left table are average values in ordinary situations.
- The relative humidity of outdoor air at heating is 85%. However, when the outdoor air temperature is 7°CDB, the wet bulb temperature is 6°CWB.
- ☆ is shown as reference.
When selecting the unit models, avoid the outdoor air temperature range shown by ☆.

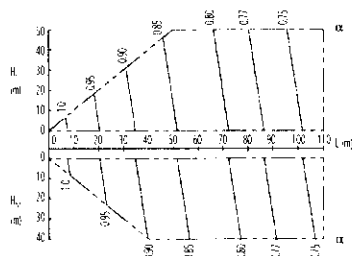
3D052698

3 Capacity tables

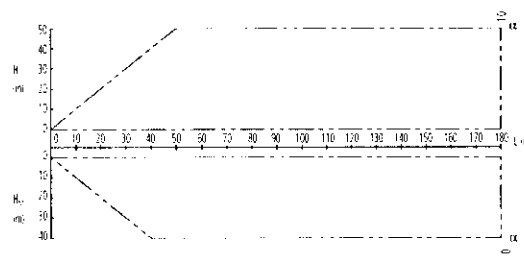
3 - 3 Capacity correction factor

RXYSQ4,5PV

• Rate of change in cooling capacity



• Rate of change in heating capacity



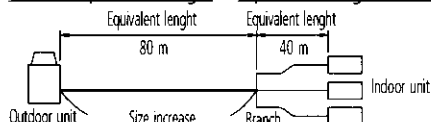
3D045710B

NOTES

- These figures illustrate the rate of change of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions.
Moreover, under partial load conditions, there is only a minor deviation from the rate of change in capacity, shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating cooling/heating capacity (max. capacity for combination with standard indoor unit)
Cooling/heating capacity = cooling/heating capacity obtained from performance characteristics table x each capacity rate of change
In the case length of piping differs depending on the indoor unit, maximum capacity of each unit during simultaneous operation is:
Cooling/heating capacity = cooling/heating capacity obtained from performance characteristics table x each capacity rate of change
- When overall equivalent pipe length is 90m or more, the diameter of the main gas pipes (outdoor unit-branch sections) must be increased.
[Diameter of above case]

Model	gas pipe	liquid pipe
RXYSQ4,5P7V3B	ø 19.1	Not increased

- When the main section of the interunit gas pipe diameters are increased the overall equivalent length should be calculated as follows.
Overall equivalent length = Equivalent length to main pipe x 0.5 + Equivalent length after branching



In the above case (Cooling)

Overall equivalent length = 80m x 0.5 + 40m = 80m

The correction factor in capacity when $H_p=0m$ is thus approximately 0.78

EXPLANATION OF SYMBOLS

- H_p : Level difference (m) between indoor and outdoor units where indoor unit in inferior position
 H_M : Level difference (m) between indoor and outdoor units where indoor unit in superior position
 L : Equivalent pipe length (m)
 α : Capacity correction factor

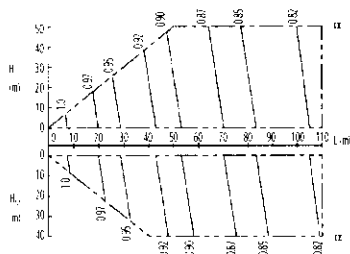
Model	gas pipe	liquid pipe
RXYSQ4,5P7V3B	ø 15.9	ø 9.5

3 Capacity tables

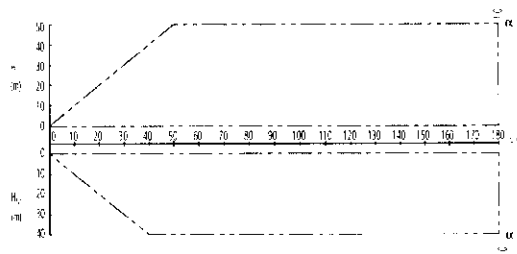
3 - 3 Capacity correction factor

RXYSQ6PV

• Rate of change in cooling capacity



• Rate of change in heating capacity



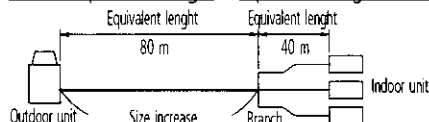
3D045961B

NOTES

- These figures illustrate the rate of change of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions.
Moreover, under partial load conditions, there is only a minor deviation from the rate of change in capacity, shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating cooling/heating capacity (max. capacity for combination with standard indoor unit)
Cooling/heating capacity = cooling/heating capacity obtained from performance characteristics table × each capacity rate of change
In the case length of piping differs depending on the indoor unit, maximum capacity of each unit during simultaneous operation is:
Cooling/heating capacity = cooling/heating capacity obtained from performance characteristics table × each capacity rate of change
- When overall equivalent pipe length is 90m or more, the diameter of the main gas pipes (outdoor unit-branch sections) must be increased.
[Diameter of above case]

Model	gas pipe	liquid pipe
RXYSQ6P7V3B	ø 22.2	Not increased

- When the main section of the interunit gas pipe diameters are increased the overall equivalent length should be calculated as follows.
Overall equivalent length = Equivalent length to main pipe × 0.5 + Equivalent length after branching



In the above case (Cooling)

$$\text{Overall equivalent length} = 80\text{m} \times 0.5 + 40\text{m} = 80\text{m}$$

The correction factor in capacity when $H_p=0\text{m}$ is thus approximately 0.86

EXPLANATION OF SYMBOLS

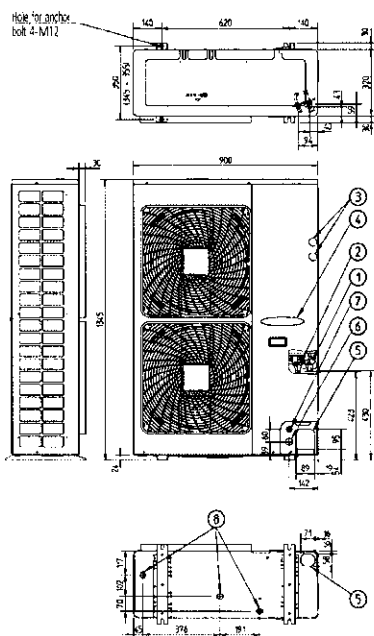
- H_p : Level difference (m) between indoor and outdoor units where indoor unit in inferior position
 H_M : Level difference (m) between indoor and outdoor units where indoor unit in superior position
 L : Equivalent pipe length (m)
 α : Capacity correction factor

Model	gas pipe	liquid pipe
RXYSQ6P7V3B	ø 19.1	ø 9.5

4 Dimensional drawing & centre of gravity

4 - 1 Dimensional drawing

RXYSQ-PV



1	Gas pipe connection A
2	Liquid connection pipe ø 9.5 Flare
3	Service port (In the unit) (2x)
4	Electronic connection and grounding terminal M5 (In switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (Knock hole ø34)
7	Control wiring intake (Knock hole ø27)
8	Drain outlet

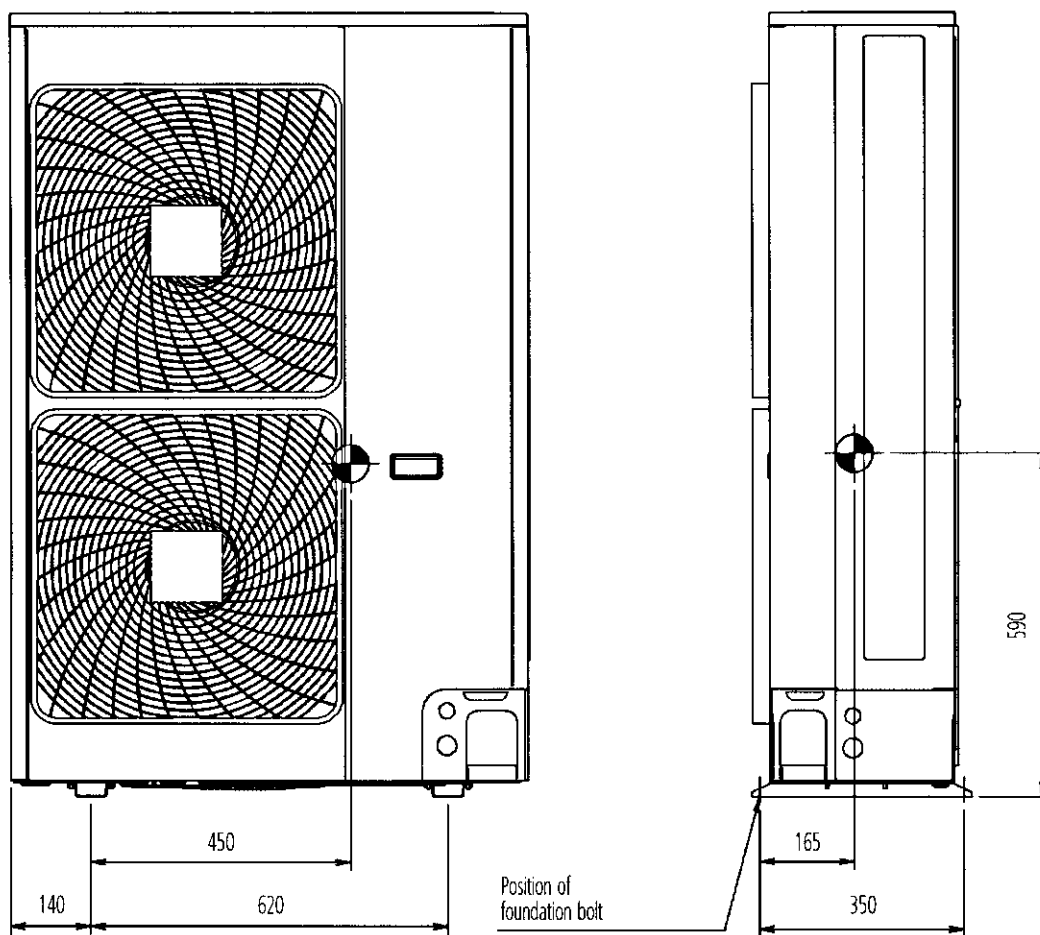
Model	A
RXYSQ4P7V3B	ø 15.9 Flare
RXYSQ5P7V3B	ø 15.9 Flare
RXYSQ6P7V3B	ø 19.1 Flare

3TW27604-1

4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity

RXYSQ-PV



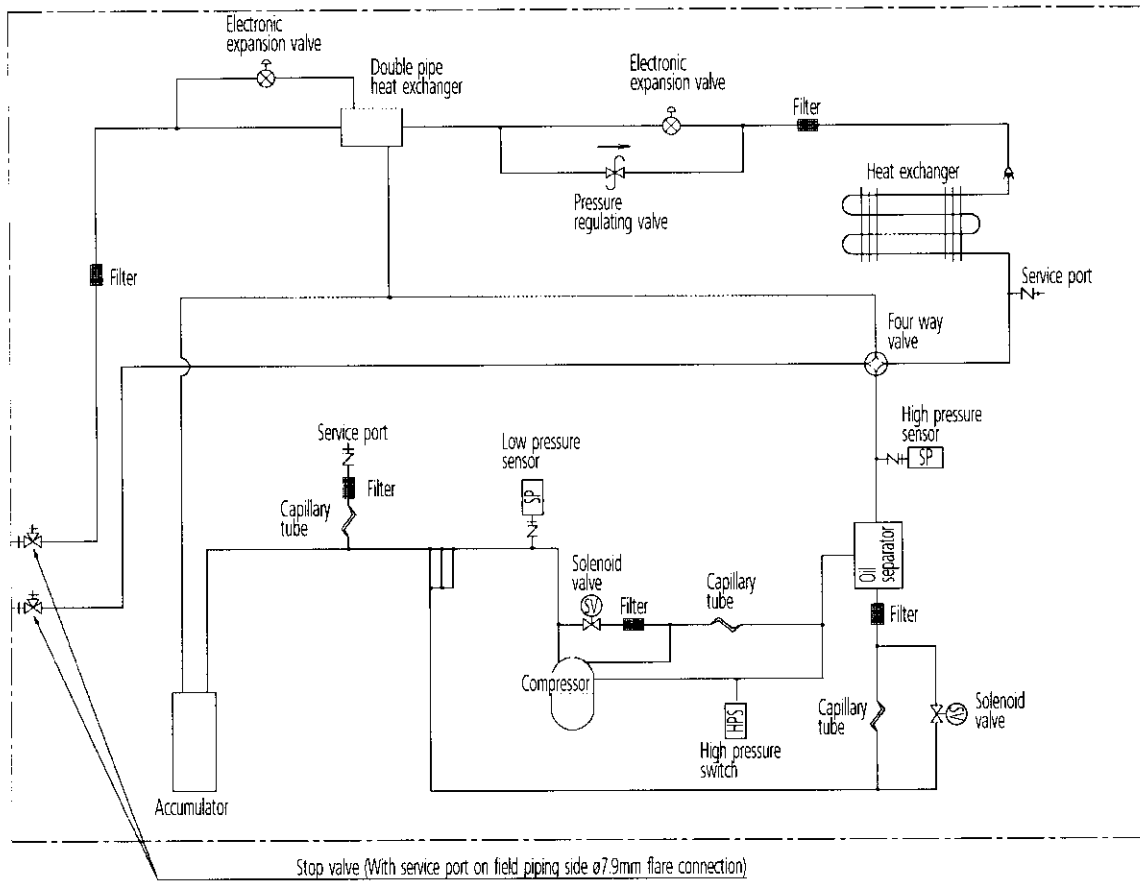
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5 Piping diagram

RXYSQ-PV

1

5

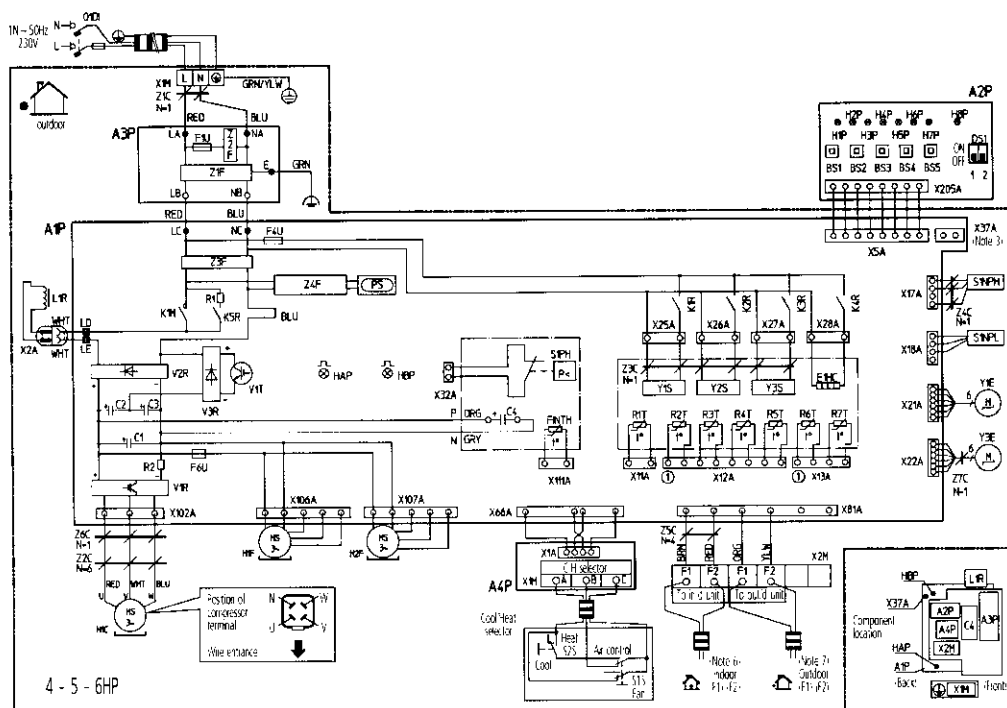


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6 Wiring diagram

6 - 1 Wiring diagram

RXYSQ-PV



A1P	Printed circuit board (Main)	K3R	Magnetic relay (Y3S)	STPH	Pressure switch (High)
A2P	Printed circuit board (Inv.)	K4R	Magnetic relay (ETHC)	V1R	Power module
A3P	Printed circuit board (Noise filter)	K5R	Magnetic relay	V2R, V3R	Diode module
A4P	Printed circuit board (CH Selector)	L1R	Reactor	V1T	IGBT
BS1 ~ BS5	Push button switch (Mode, Set, Return, Test, Reset)	M1C	Motor (Compressor)	X1M	Terminal strip (Power supply)
C1 ~ C4	Capacitor	M1F	Motor (Fan) (Upper)	X2M	Terminal strip (Control)
DS1	Dip switch	M2F	Motor (Fan) (Lower)	X1M	Terminal strip (CH Selector) (A4P)
ETHC	Crankcase heater	PS	Switching power supply	Y1E	Electronic expansion valve (Main)
F1U, F4U	Fuse (T 6.3A / 250V)	Q1DX	Field earth leakage breaker (300mA)	Y3E	Electronic expansion valve (Subcool)
F6U	Fuse (T 5.0A / 250V)	R1	Resistor	Y1S	Solenoid valve (4 Way valve)
FINTH	Thermistor (Fin)	R2	Resistor	Y2S	Solenoid valve (Hot gas)
H1P ~ H8P	Light emit. diode (Serv. monitor-orange) (H2P) Prepare, test flickering Malfunction detection light up	R1T	Thermistor (Air)	Y3S	Solenoid valve (U/L circuit)
HAP	Light emitting diode (Service monitor-green) (A1P)	R2T	Thermistor (Discharge)	Z1C ~ Z7C	Noise filter (Ferrite core)
HBP	Inv. pilot lamp (Service monitor-green) (A1P)	R3T	Thermistor (Suction 1)	Z1F ~ Z4F	Noise filter
K1M	Magnetic contactor (MTC)	R4T	Thermistor (Heat exchanger)		
KTR	Magnetic relay (Y1S)	R5T	Thermistor (Suction 2)		Cool/heat selector
K2R	Magnetic relay (Y2S)	R6T	Thermistor (Subcooling HEX)	S1S	Selector switch (Fan/Cool - Heat)
		R7T	Thermistor (Liquid pipe)	S2S	Selector switch (Cool - Heat)
		STNPH	Pressure sensor (High)		Connector of option adaptor
		STNPL	Pressure sensor (Low)	X37A (Note 3)	Connector (Option adaptor power supply)

	: Field wiring		: Protective earth (screw)
	: Terminal strip		: Relay connector
	: Connector		: Noiseless earth
	: Connection		: Terminal

COLORS :	BLU : Blue	BRN : Brown
	GRN : Green	ORG : Orange
	RED : Red	WHT : White
	YLW : Yellow	

NOTES

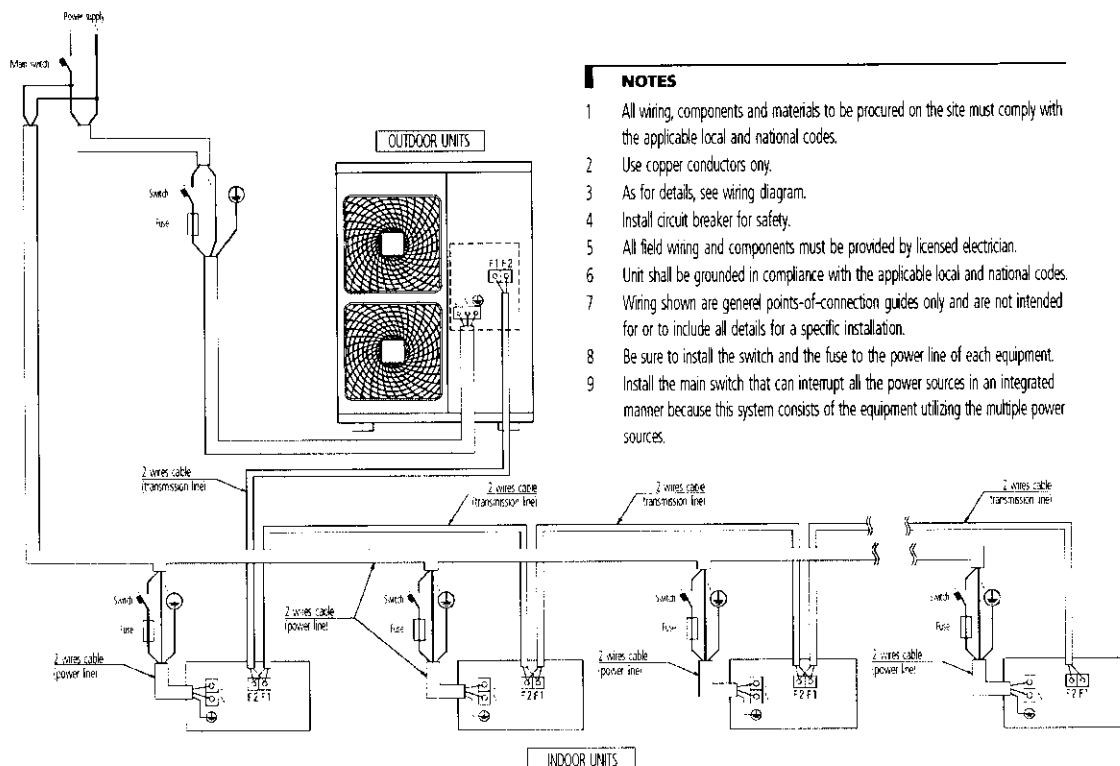
- This wiring diagram applies only to the outdoor unit.
- L: Live; N: Neutral
- When using the option adaptor, refer to the installation manual.
- Refer to the 'Wiring diagram sticker' (on back of front plate) on how to use BS1 ~ BS5 and DS1 switch.
- Do not operate the unit by short-circuiting protection device S1PH.
- Refer to the installation manual for connection wiring to PB unit/indoor-outdoor transmission F1-F2.
- When using the central control system, connect outdoor-outdoor transmission F1-F2.

2TW27636-1A

6 Wiring diagram

6 - 2 External connection diagram

RXYSQ-PV



NOTES

- 1 All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- 2 Use copper conductors only.
- 3 As for details, see wiring diagram.
- 4 Install circuit breaker for safety.
- 5 All field wiring and components must be provided by licensed electrician.
- 6 Unit shall be grounded in compliance with the applicable local and national codes.
- 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 equipment.
- 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.

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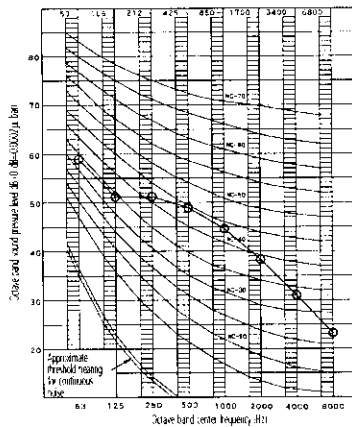
7. Sound data

7 - 1 Sound pressure spectrum

1
7

RXYSQ4PV - Cooling

4D052713A



NOTES

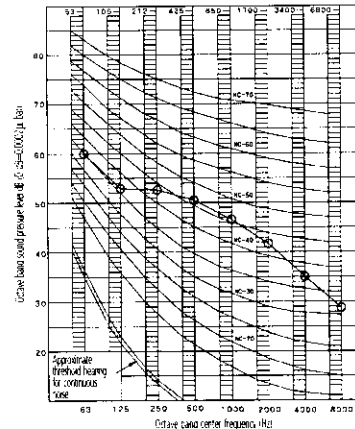
- Over all (dB):

Scale A	50.0
Scale C	62.0

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220-240V 50Hz, 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19.0°C WB; Outdoor temperature: 35°C DB, 24°C WB
- Location of microphone
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

RXYSQ4PV - Heating

4D052719A



NOTES

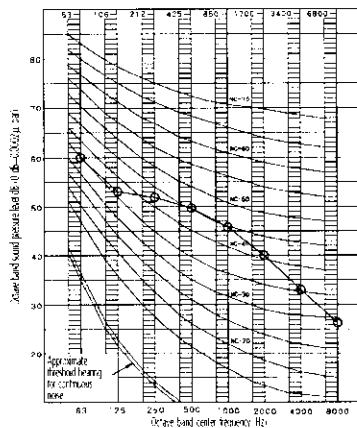
- Over all (dB):

Scale A	52.0
Scale C	63.5

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220-240V 50Hz, 220V 60Hz
 - Heating: Return air temperature: 20°C DB; Outdoor temperature: 7°C DB, 6°C WB
- Location of microphone
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

RXYSQ5PV - Cooling

4D052714B



NOTES

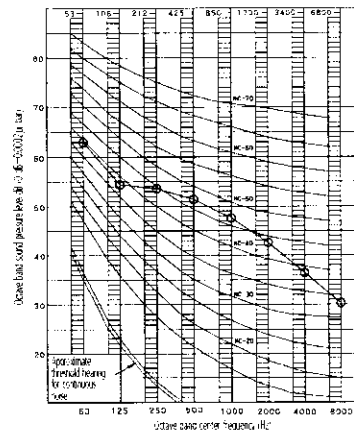
- Over all (dB):

Scale A	51.0
Scale C	63.5

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220-240V 50Hz, 220V 60Hz
 - Cooling: Return air temperature: 27°C DB, 19.0°C WB; Outdoor temperature: 35°C DB, 24°C WB
- Location of microphone
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

RXYSQ5PV - Heating

4D052718B



NOTES

- Over all (dB):

Scale A	53.0
Scale C	65.3

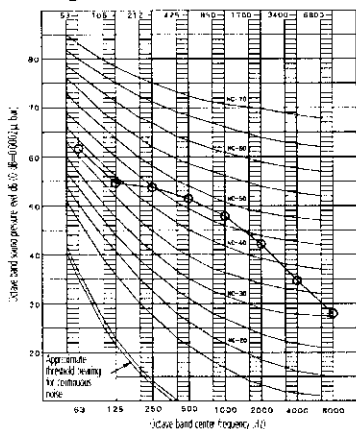
(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220-240V 50Hz, 220V 60Hz
 - Heating: Return air temperature: 20°C DB; Outdoor temperature: 7°C DB, 6°C WB
- Location of microphone
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

7 Sound data

7 - 1 Sound pressure spectrum

RXYSQ6PV - Cooling

4D052716B



NOTES

1 Over all (dB):

Scale A	53.0
Scale C	64.5

(B.G.N. is already rectified)

2 Measuring place: Anechoic chamber

3 Operating conditions:

- Power source: 220-240V 50Hz, 220V 60Hz
- Cooling: Return air temperature: 27°C DB, 19.0°C WB; Outdoor temperature: 35°C DB, 24°C WB

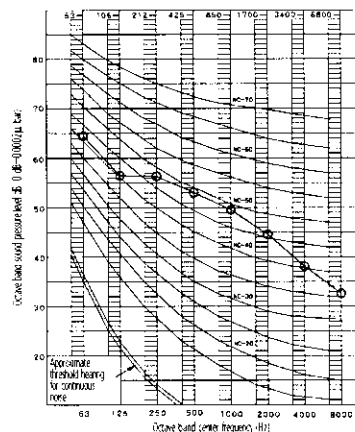
4 Location of microphone



5 The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

RXYSQ6PV - Heating

4D052717B



NOTES

1 Over all (dB):

Scale A	55.0
Scale C	67.0

(B.G.N. is already rectified)

2 Measuring place: Anechoic chamber

3 Operating conditions:

- Power source: 220-240V 50Hz, 220V 60Hz
- Heating: Return air temperature: 20°C DB; Outdoor temperature: 7°C DB, 6°C WB

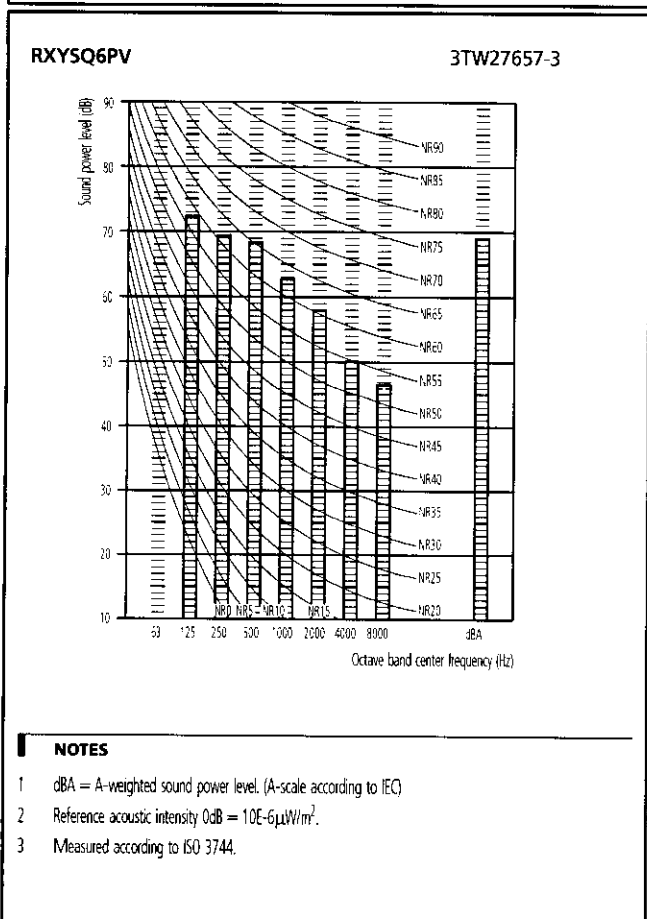
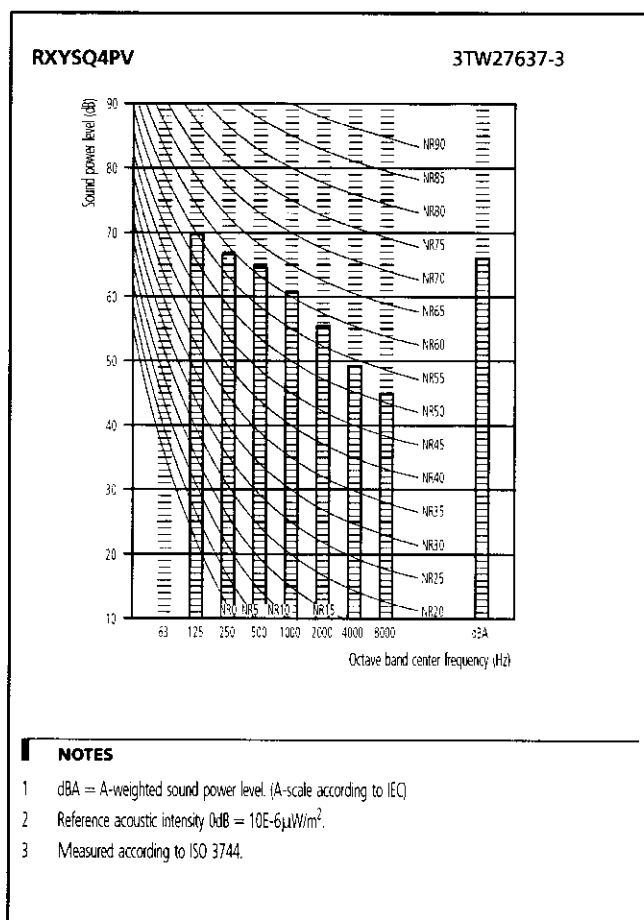
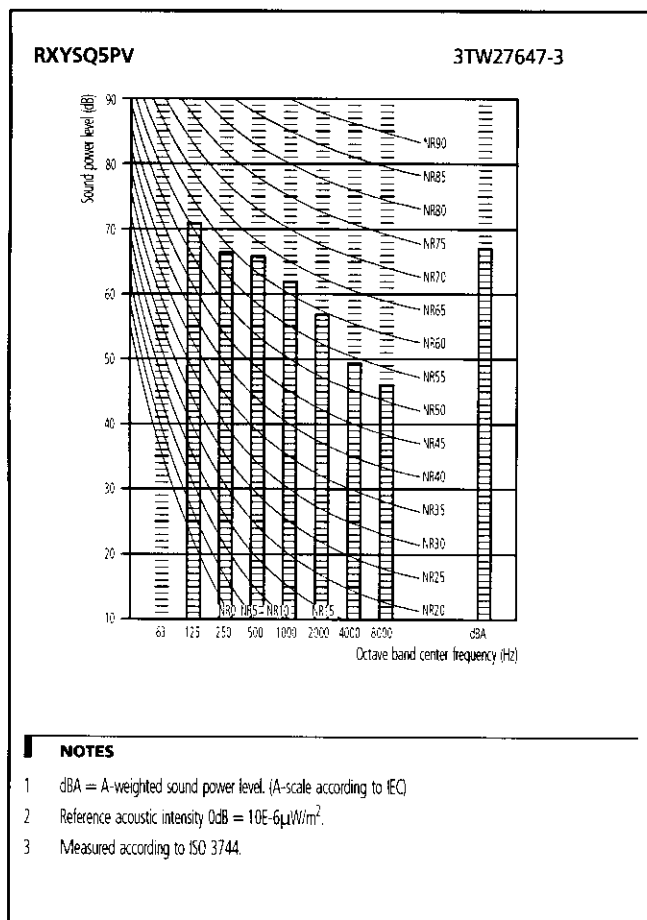
4 Location of microphone



5 The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

7 Sound data

7 - 2 Sound power spectrum



8 Installation

8 - 1 Service space

RXYSQ-PV

Required installation space
The unit of the 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 sides only

• Obstacle on both sides

(2) Series installation (2 or more)

• 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)

• 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)

(b) Obstacle above, too

(1) Stand-alone installation

(2) Series installation (2 or more)

3 Where there are obstacles on both suction and discharge sides

Pattern 1

Where 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)

(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1000

Set the stand as $L \leq H$

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

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1250

Set the stand as $L \leq H$

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 obstacles on the discharge side is lower than the unit

There is no height limit for obstructions on the intake side

No obstacle above

(1) Stand-alone installation

The relations between H, A and L are as follows

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1000

(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1000

Set the stand as $L \leq H$

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

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1000

Set the stand as $L \leq H$

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

Only two units can be installed for this series

4 Double-decker installation

(a) Obstacle on the discharge side

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 unit.

(b) Obstacle on the discharge side

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 unit.

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

$L \leq H$	$0 < L \leq 1/2 H$	A
	$1/2 H < L \leq H$	750
		1000

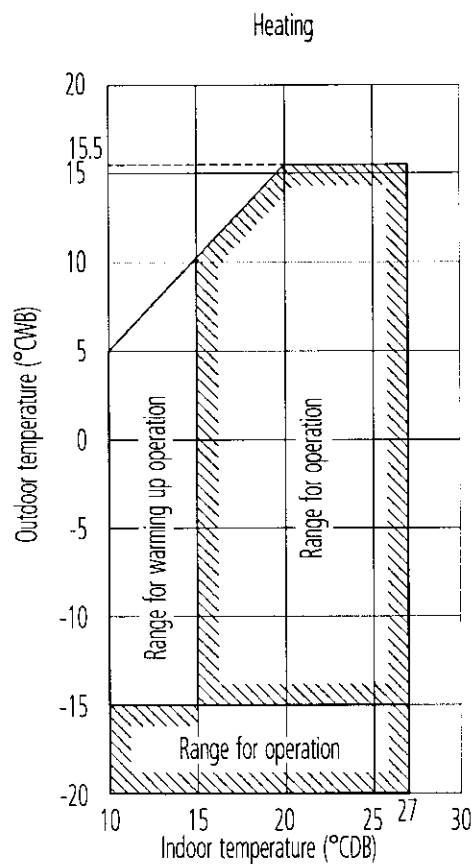
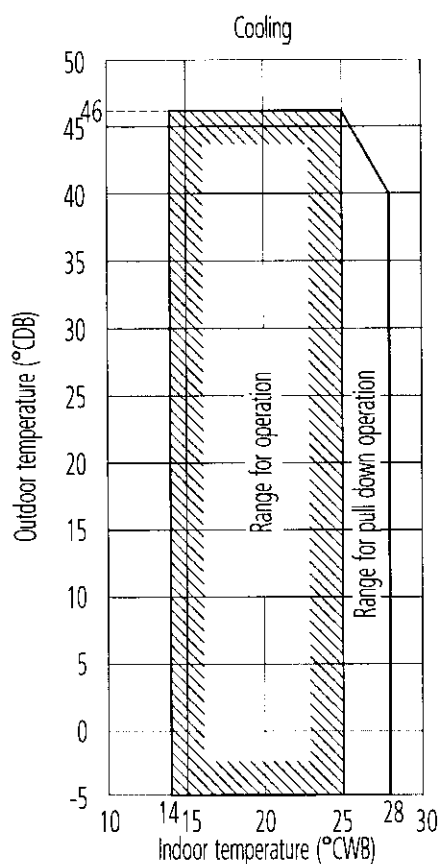
Set the stand as $L \leq H$

Cannot be installed

3D045696B

9 Operation range

RXYSQ-PV



3D045713B

NOTES

- 1 These figures assume the following operating conditions.
- 2 Indoor and outdoor units:
 - Equivalent piping length: 7.5m
 - Level difference: 0m