

technical data



RMXS-E7V3B1

Super multi plus

air conditioning systems

Split Sky Air

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RMXS-E7V3B1

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1 Features

- The RMXS gives you a high-capacity multi split system which combines the power and easy installation of a VRV outdoor unit with the quiet operation of residential - use indoor units.
- The Super Multi Plus has more than enough power to drive up to 9 indoor units, including a 7,1 kW class unit.
- An inverter driven compressor allows the capacity to be adjusted precisely to match variations in room and outside temperatures.
- A 135-meter piping length means there are now no restrictions on the choice of installation position for indoor units, greatly improving planning flexibility.

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2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RMXS112E7V3B1	RMXS140E7V3B1	RMXS160E7V3B1
Capacity (Conditions specified in 1)	Cooling	Standard	kW	11.2	14.0	15.5
	Heating	Standard	kW	12.5	16.0	17.5
For combination indoor units + outdoor units	EER	Cooling		3.20	2.75	2.87
	COP	Heating		3.18	3.07	3.22
Max. number of connectable indoor units (BP to be connected)				6	8	9
Min. / Max. total capacity index of I/U to be connected				50/130	62.5 / 162.5	70 /182

2-2 TECHNICAL SPECIFICATIONS				RMXS112E7V3B1	RMXS140E7V3B1	RMXS160E7V3B1
Casing	Colour			Daikin white		
	Material			Painted galvanised steel plate		
Dimensions	Unit	Height	mm	1345	1345	1345
		Width	mm	900	900	900
		Depth	mm	320	320	320
	Packing	Height	mm	1524	1524	1524
		Width	mm	980	980	980
		Depth	mm	420	420	420
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	Type	Non-symmetric waffle louvre			
		Treatment	Corrosion resistant			
	Fan	Type			Propeller	
Discharge direction			Horizontal			
Quantity			2	2	2	
Air Flow Rate (nominal at 230V)		Cooling	m³/min	106	106	106
		Heating	m³/min	102	105	105
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	Output	W	70	70	70
Compressor	Quantity			1	1	1
	Motor	Model		JT100G-VDL@T2		
		Type		Hermetically sealed scroll compressor		
		Speed	rpm	6480	6480	6480
		Motor Output	W	2.5	3000	3500
		Crankcase Heater	W	33	33	33
		Starting Method		Direct on line		
Operation Range	Cooling	Min	°CDB	-5	-5	-5
		Max	°CDB	46	46	46
	Heating	Min	°CWB	-15	-15	-15
		Max	°CWB	20	20	20
Sound Level (nominal)	Cooling	Sound Power	dBA	67	68	70
		Sound Pressure	dBA	51	52	54
	Heating	Sound Pressure	dBA	53	54	55
Sound Level (Night quiet)	Sound Pressure		dBA	Step 1: 47Step 2: 44Step 3: 41	step 1: 47step 2: 44step 3: 41	step 1: 47step 2: 44step 3: 41

2 Specifications

2-2 TECHNICAL SPECIFICATIONS				RMXS112E7V3B1	RMXS140E7V3B1	RMXS160E7V3B1
Refrigerant	Type			R-410A		
	Charge	kg		4.0	4.0	4.0
	Control			Expansion valve(electronic type)		
	Nr of Circuits			1	1	1
Refrigerant Oil	Type			Daphne FVC68D		
	Charged Volume	l		1.5	1.5	1.5
Piping connections	Liquid (OD)	Quantity		1	1	1
		Type		Flare connection		
		Diameter (OD)	mm	9,52		
	Gas	Quantity		1	1	1
		Type		Brazed connection		
		Diameter (OD)	mm	19,1		
	Drain	Quantity		3	3	3
		Type		Hole		
		Diameter (OD)	mm	26x3		
	Piping Length	System total	m	115	135	145
Piping Length	Total	OU - BP	m	55	55	55
		BP - IU	m	60	80	90
	1 room	BP - IU	m	15	15	15
		Piping connections	Height difference	OU - BP	m	30
OU - IU	m			30	30	30
BP-BP/IU-IU	m			15	15	15
Additional Refrigerant Charge			kg/m	Refer to installation manual	Refere to installation manual	Refer to installation manual
Installation height difference	Maximum		m	30	30	30
Max. internunit level difference			m	15	15	15
Heat Insulation			Both liquid and gas pipes			
Defrost Method			Reverse cycle			
Defrost Control			Sensor for outdoor heat exchanger temperature			
Capacity Control Method			Inverter controlled			
Capacity control	Cooling	Minimum		24	24	24
		Maximum		100	100	100
	Heating	Minimum		24	24	24
		Maximum		100	100	100
Safety Devices			High pressure switch			
			Fan motor thermal protector			
			Inverter overload protector			
			PC board fuse			
Standard Accessories	Item		Gas connection pipe			
	Quantity		3	3	3	
	Item		Installation manual			
	Quantity		1	1	1	
	Item		Operation manual	Drain socket	Drain socket	
	Quantity		1	1	1	
	Item		Drain socket	Drain cap	Drain cap	
	Quantity		1	2	2	
	Item		Drain cap	Drain receiver	Drain receiver	
	Quantity		2	3	3	
	Item		Drain receiver	Insulation	Insulation	
	Quantity		3	1	1	
	Item		Insulation	Operation manual	Operation manual	
	Quantity		1	1	1	

2 Specifications

2-2 TECHNICAL SPECIFICATIONS	RMXS112E7V3B1	RMXS140E7V3B1	RMXS160E7V3B1
Notes	* Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent piping length: outdoor - BP: 5m / BP - indoor: 3m / level difference: 0m.		
	* Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent piping length: outdoor - BP: 5m / BP - indoor: 3m / level difference: 0m.		
	The sound power level is an absolute value indicating the power which 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 of this chapter.		
	Sound values are measured in a semi-anechoic room.		

3 Electrical data

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				RMXS112EV	RMXS140EV	RMXS160EV
Power supply	Name			V3		
	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	230		
Current	Nominal running current (RLA)		A	15.9	20.2	22.2
	Starting current (MSC)		A	15.9	20.2	22.2
	Min. Circuit Amps (MCA)		A	27.0		
	Max. Fuse Amps (MFA)		A	32.0		
	Total overcurrent amps (TOCA)		A	27.0		
	Full Load Amps (FLA)		A	0.3 + 0.3 (Fan motor)		
Voltage range	Min.		V	207		
	Max.		V	264		
Wiring connections	For power supply		Quantity	3		
			Remark	Earth wire included		
	For connection with BP		Quantity	2		
			Remark	F1+F2		
Power supply intake				Both BP unit and outdoor unit		

3TW27601-4

SYMBOLS

MCA	: Min. Circuit Amps
TOCA	: Total Over-current Amps
MFA	: Max. Fuse Amps (see note 6)
RLA	: Rated Load Amps (A)
FLA	: Full Load Amps
MSC	: Starting current (see note 7)

NOTES

- 1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 35°CDB
- 2 TOCA means the total value of each OC set.
- 3 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
- 4 Maximum allowable voltage variation between phases is 2%
- 5 Select wire size based on the larger value of MCA or TOCA.
- 6 Instead of fuse, use circuit breaker MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- 7 MSC means the maximum current during start up of the compressor.
- 8 For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

4 Options

RMXS-EV				
N°	Item	RMXS112	RMXS140	RMXS160
1	Drain plug	KKPJ5F180		
2	Refnet joint	KHRQ22M20TA		
3	Branch provider (2 rooms)	BPMKS967B2		
4	Branch provider (3 rooms)	BPMKS967B3		
*Note: all options are kits				4TW26791-2B

5 Capacity tables

5 - 1 Cooling capacity tables

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RMXS112EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	12, 61	2, 23	13, 99	2, 22	15, 02	2, 21	15, 54	2, 21	17, 16	2, 20	18, 27	2, 20
	14	12, 38	2, 39	13, 72	2, 39	14, 71	2, 40	15, 22	2, 40	16, 79	2, 40	17, 86	2, 40
	18	12, 12	2, 59	13, 41	2, 60	14, 37	2, 61	14, 87	2, 61	16, 39	2, 63	17, 44	2, 64
	20	11, 98	2, 69	13, 25	2, 71	14, 19	2, 72	14, 68	2, 73	16, 18	2, 75	17, 21	2, 76
	23	11, 76	2, 87	12, 99	2, 89	13, 91	2, 91	14, 39	2, 92	15, 85	2, 95	16, 86	2, 97
	27	11, 44	3, 12	12, 63	3, 15	13, 52	3, 18	13, 98	3, 19	15, 39	3, 23	16, 36	3, 26
	31	11, 09	3, 41	12, 23	3, 45	13, 09	3, 48	13, 54	3, 49	14, 90	3, 54	15, 84	3, 58
	35	10, 72	3, 72	11, 81	3, 77	12, 64	3, 80	13, 06	3, 82	14, 38	3, 88	15, 28	3, 92
	39	10, 31	4, 06	11, 35	4, 11	12, 15	4, 16	12, 56	4, 18	13, 83	4, 25	14, 70	4, 29
	43	9, 88	4, 42	10, 87	4, 49	11, 63	4, 54	12, 03	4, 56	13, 25	4, 64	14, 08	4, 69
120%	46	9, 04	4, 33	9, 87	4, 33	10, 50	4, 33	10, 83	4, 33	11, 83	4, 33	12, 51	4, 33
	10	12, 46	2, 17	13, 79	2, 16	14, 82	2, 15	15, 33	2, 15	16, 94	2, 14	18, 05	2, 13
	14	12, 23	2, 33	13, 51	2, 33	14, 50	2, 33	15, 01	2, 33	16, 57	2, 34	17, 64	2, 34
	18	11, 97	2, 52	13, 20	2, 53	14, 17	2, 54	14, 66	2, 55	16, 17	2, 56	17, 21	2, 57
	20	11, 83	2, 63	13, 04	2, 64	13, 99	2, 66	14, 47	2, 66	15, 96	2, 68	16, 98	2, 70
	23	11, 61	2, 80	12, 78	2, 82	13, 71	2, 84	14, 18	2, 85	15, 63	2, 88	16, 63	2, 90
	27	11, 29	3, 06	12, 42	3, 09	13, 31	3, 11	13, 77	3, 12	15, 17	3, 16	16, 14	3, 19
	31	10, 94	3, 34	12, 03	3, 37	12, 89	3, 40	13, 33	3, 42	14, 68	3, 47	15, 62	3, 50
	35	10, 57	3, 64	11, 61	3, 69	12, 44	3, 73	12, 86	3, 74	14, 17	3, 80	15, 06	3, 84
	39	10, 17	3, 98	11, 16	4, 03	11, 96	4, 07	12, 36	4, 10	13, 62	4, 16	14, 49	4, 21
110%	43	9, 74	4, 34	10, 68	4, 40	11, 44	4, 45	11, 83	4, 47	13, 04	4, 55	13, 87	4, 60
	46	8, 92	4, 33	9, 74	4, 33	10, 37	4, 33	10, 69	4, 33	11, 68	4, 33	12, 36	4, 33
	10	11, 86	2, 04	13, 14	2, 03	14, 14	2, 02	14, 64	2, 02	16, 21	2, 01	17, 29	2, 00
	14	11, 64	2, 20	12, 88	2, 20	13, 85	2, 20	14, 34	2, 20	15, 86	2, 20	16, 90	2, 20
	18	11, 40	2, 39	12, 60	2, 40	13, 53	2, 40	14, 01	2, 41	15, 48	2, 42	16, 50	2, 42
	20	11, 27	2, 49	12, 44	2, 50	13, 37	2, 51	13, 83	2, 52	15, 28	2, 53	16, 28	2, 54
	23	11, 06	2, 66	12, 20	2, 68	13, 11	2, 69	13, 56	2, 70	14, 98	2, 72	15, 95	2, 74
	27	10, 76	2, 90	11, 86	2, 93	12, 73	2, 95	13, 17	2, 96	14, 54	2, 99	15, 49	3, 02
	31	10, 44	3, 18	11, 50	3, 21	12, 34	3, 24	12, 76	3, 25	14, 08	3, 29	14, 99	3, 32
	35	10, 09	3, 47	11, 10	3, 51	11, 91	3, 55	12, 32	3, 56	13, 60	3, 61	14, 47	3, 65
100%	39	9, 71	3, 80	10, 68	3, 85	11, 46	3, 88	11, 85	3, 90	13, 08	3, 96	13, 93	4, 00
	43	9, 31	4, 15	10, 23	4, 20	10, 98	4, 24	11, 36	4, 27	12, 53	4, 33	13, 35	4, 38
	46	8, 81	4, 33	9, 62	4, 33	10, 24	4, 33	10, 56	4, 33	11, 54	4, 33	12, 20	4, 33
	10	10, 54	1, 81	11, 79	1, 80	12, 71	1, 79	13, 18	1, 78	14, 64	1, 77	15, 64	1, 75
	14	10, 36	1, 96	11, 57	1, 95	12, 47	1, 95	12, 93	1, 95	14, 34	1, 94	15, 31	1, 94
	18	10, 16	2, 13	11, 33	2, 13	12, 20	2, 13	12, 65	2, 13	14, 02	2, 14	14, 96	2, 14
	20	10, 06	2, 22	11, 21	2, 23	12, 06	2, 24	12, 50	2, 24	13, 85	2, 24	14, 78	2, 25
	23	9, 89	2, 38	11, 00	2, 39	11, 84	2, 40	12, 27	2, 40	13, 59	2, 42	14, 49	2, 43
	27	9, 64	2, 60	10, 71	2, 62	11, 52	2, 64	11, 93	2, 65	13, 21	2, 67	14, 09	2, 68
	31	9, 37	2, 85	10, 40	2, 88	11, 18	2, 90	11, 58	2, 91	12, 82	2, 94	13, 67	2, 96
	35	9, 07	3, 13	10, 06	3, 16	10, 82	3, 19	11, 20	3, 20	12, 39	3, 24	13, 22	3, 26
	39	8, 75	3, 43	9, 70	3, 47	10, 42	3, 50	10, 80	3, 51	11, 95	3, 56	12, 74	3, 59
	43	8, 41	3, 75	9, 31	3, 80	10, 01	3, 83	10, 36	3, 85	11, 47	3, 90	12, 24	3, 94
	46	8, 13	4, 01	9, 00	4, 06	9, 68	4, 10	10, 02	4, 12	11, 10	4, 18	11, 84	4, 21

3D052905

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 1 Cooling capacity tables

RMXS112EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	10	9,55	1,54	10,65	1,52	11,47	1,51	11,89	1,50	13,19	1,48	14,09	1,46
	14	9,38	1,68	10,45	1,67	11,25	1,66	11,65	1,65	12,92	1,64	13,79	1,63
	18	9,20	1,84	10,22	1,83	11,00	1,83	11,40	1,83	12,63	1,82	13,47	1,82
	20	9,10	1,93	10,11	1,93	10,87	1,93	11,26	1,92	12,47	1,92	13,30	1,92
	23	8,94	2,07	9,92	2,08	10,67	2,08	11,05	2,08	12,23	2,08	13,04	2,09
	27	8,71	2,29	9,65	2,30	10,38	2,31	10,75	2,31	11,89	2,32	12,68	2,33
	31	8,46	2,53	9,37	2,54	10,07	2,56	10,42	2,56	11,53	2,58	12,30	2,59
	35	8,19	2,79	9,06	2,81	9,73	2,83	10,08	2,84	11,15	2,86	11,89	2,88
	39	7,89	3,08	8,73	3,10	9,38	3,13	9,72	3,14	10,75	3,17	11,46	3,19
	43	7,58	3,39	8,38	3,42	9,01	3,44	9,33	3,46	10,32	3,50	11,01	3,52
80%	46	7,33	3,63	8,10	3,67	8,71	3,70	9,02	3,71	9,99	3,76	10,66	3,79
	10	8,50	1,29	9,46	1,27	10,19	1,25	10,57	1,24	11,72	1,21	12,52	1,19
	14	8,35	1,42	9,28	1,40	9,99	1,39	10,35	1,38	11,48	1,36	12,26	1,34
	18	8,18	1,56	9,08	1,55	9,77	1,54	10,13	1,54	11,22	1,52	11,98	1,52
	20	8,09	1,65	8,98	1,64	9,66	1,63	10,01	1,63	11,08	1,62	11,83	1,61
	23	7,95	1,78	8,81	1,77	9,47	1,77	9,82	1,77	10,87	1,77	11,60	1,76
	27	7,74	1,98	8,57	1,98	9,22	1,98	9,55	1,98	10,57	1,98	11,28	1,98
	31	7,52	2,20	8,32	2,21	8,94	2,21	9,26	2,22	10,25	2,22	10,94	2,23
	35	7,28	2,45	8,05	2,46	8,65	2,47	8,96	2,47	9,92	2,49	10,58	2,50
	39	7,02	2,72	7,76	2,73	8,34	2,75	8,64	2,75	9,56	2,78	10,20	2,79
70%	43	6,74	3,01	7,45	3,03	8,01	3,05	8,30	3,06	9,19	3,08	9,80	3,10
	46	6,52	3,25	7,21	3,27	7,75	3,29	8,03	3,30	8,89	3,33	9,49	3,35
	10	7,39	1,08	8,23	1,05	8,88	1,03	9,21	1,02	10,23	0,99	10,94	0,97
	14	7,26	1,18	8,07	1,16	8,71	1,14	9,03	1,13	10,03	1,11	10,72	1,09
	18	7,12	1,31	7,91	1,29	8,52	1,28	8,83	1,27	9,81	1,25	10,48	1,24
	20	7,04	1,38	7,82	1,36	8,42	1,35	8,73	1,35	9,69	1,34	10,35	1,33
	23	6,92	1,50	7,68	1,49	8,27	1,48	8,57	1,48	9,51	1,47	10,16	1,46
	27	6,75	1,67	7,48	1,67	8,05	1,67	8,34	1,67	9,25	1,66	9,88	1,66
	31	6,56	1,87	7,26	1,88	7,82	1,88	8,10	1,88	8,98	1,88	9,59	1,88
	35	6,35	2,10	7,03	2,10	7,56	2,11	7,84	2,11	8,69	2,12	9,28	2,12
60%	39	6,13	2,35	6,78	2,36	7,30	2,36	7,56	2,37	8,39	2,38	8,96	2,39
	43	5,89	2,62	6,51	2,63	7,01	2,64	7,27	2,65	8,07	2,66	8,62	2,68
	46	5,70	2,84	6,30	2,85	6,79	2,87	7,04	2,87	7,81	2,89	8,35	2,91
	10	6,22	0,89	6,95	0,87	7,52	0,85	7,81	0,84	8,72	0,81	9,35	0,79
	14	6,12	0,97	6,83	0,95	7,39	0,93	7,68	0,93	8,56	0,90	9,17	0,89
	18	6,01	1,07	6,70	1,05	7,25	1,04	7,52	1,04	8,38	1,02	8,98	1,01
	20	5,95	1,13	6,63	1,11	7,17	1,10	7,44	1,10	8,29	1,08	8,88	1,07
	23	5,86	1,23	6,52	1,22	7,05	1,21	7,31	1,20	8,15	1,19	8,72	1,19
	27	5,72	1,38	6,36	1,37	6,87	1,37	7,13	1,36	7,94	1,36	8,50	1,35
	31	5,57	1,55	6,19	1,55	6,68	1,54	6,93	1,54	7,72	1,54	8,26	1,54
50%	35	5,40	1,74	6,00	1,74	6,48	1,75	6,72	1,75	7,48	1,75	8,01	1,75
	39	5,22	1,96	5,79	1,97	6,26	1,97	6,49	1,97	7,23	1,98	7,74	1,99
	43	5,02	2,20	5,58	2,21	6,02	2,22	6,25	2,22	6,96	2,23	7,45	2,24
	46	4,87	2,39	5,40	2,41	5,83	2,42	6,06	2,42	6,75	2,44	7,23	2,45
	10	4,98	0,73	5,63	0,71	6,13	0,69	6,39	0,68	7,19	0,66	7,74	0,65
	14	4,93	0,78	5,55	0,76	6,05	0,75	6,30	0,74	7,07	0,73	7,61	0,71
	18	4,86	0,85	5,47	0,84	5,95	0,83	6,19	0,82	6,95	0,81	7,48	0,80
	20	4,82	0,89	5,42	0,88	5,89	0,87	6,13	0,87	6,88	0,86	7,40	0,85
	23	4,75	0,97	5,34	0,96	5,81	0,95	6,04	0,95	6,78	0,94	7,29	0,94
	27	4,66	1,09	5,23	1,08	5,68	1,08	5,91	1,08	6,62	1,07	7,12	1,07
	31	4,55	1,22	5,10	1,22	5,54	1,22	5,76	1,22	6,46	1,22	6,94	1,22
	35	4,43	1,38	4,96	1,38	5,38	1,38	5,60	1,38	6,27	1,39	6,74	1,39
	39	4,29	1,56	4,80	1,56	5,22	1,57	5,42	1,57	6,08	1,58	6,53	1,58
	43	4,14	1,76	4,63	1,76	5,03	1,77	5,23	1,77	5,87	1,79	6,30	1,80
	46	4,02	1,92	4,50	1,93	4,88	1,94	5,08	1,94	5,70	1,96	6,12	1,97

3D052905

Symbols:

TC: Total capacity (kW)

PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. ☐ Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 1 Cooling capacity tables

RMXS140EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	14.84	2.78	16.49	2.79	17.75	2.79	18.37	2.80	20.25	2.81	21.56	2.82
	14	14.55	2.98	16.14	2.99	17.36	3.01	17.96	3.02	19.79	3.05	21.05	3.07
	18	14.23	3.20	15.76	3.23	16.94	3.26	17.52	3.27	19.29	3.31	20.51	3.35
	20	14.06	3.32	15.56	3.36	16.72	3.39	17.29	3.41	19.03	3.46	20.23	3.50
	23	13.78	3.53	15.24	3.57	16.37	3.61	16.93	3.63	18.62	3.69	19.79	3.73
	27	13.39	3.82	14.78	3.88	15.87	3.93	16.41	3.95	18.04	4.03	19.18	4.08
	31	12.96	4.15	14.29	4.22	15.34	4.28	15.86	4.30	17.43	4.39	18.52	4.45
	35	12.49	4.51	13.77	4.59	14.77	4.65	15.27	4.69	16.78	4.78	17.83	4.85
	39	11.99	4.90	13.20	4.99	14.16	5.06	14.64	5.10	16.73	5.13	17.65	5.13
	43	11.47	5.13	12.53	5.13	13.35	5.13	13.75	5.13	14.95	5.13	15.78	5.13
120%	46	8.69	4.10	9.52	4.10	10.16	4.10	10.49	4.10	11.42	4.10	12.17	4.10
	10	14.57	2.74	16.21	2.74	17.45	2.74	18.05	2.75	19.90	2.76	21.20	2.77
	14	14.30	2.92	15.88	2.94	17.07	2.95	17.66	2.96	19.46	2.99	20.71	3.01
	18	14.00	3.14	15.52	3.17	16.67	3.20	17.24	3.21	18.98	3.25	20.20	3.28
	20	13.83	3.26	15.32	3.30	16.46	3.33	17.02	3.34	18.73	3.39	19.93	3.43
	23	13.57	3.46	15.02	3.50	16.12	3.54	16.67	3.56	18.34	3.62	19.50	3.66
	27	13.19	3.75	14.58	3.81	15.65	3.85	16.17	3.87	17.79	3.95	18.91	4.00
	31	12.78	4.07	14.11	4.14	15.13	4.19	15.64	4.22	17.20	4.30	18.28	4.36
	35	12.33	4.43	13.60	4.50	14.58	4.57	15.07	4.60	16.57	4.69	17.61	4.76
	39	11.84	4.81	13.05	4.90	14.00	4.97	14.46	5.00	15.90	5.11	17.43	5.13
110%	43	11.33	5.13	12.37	5.13	13.18	5.13	13.58	5.13	14.77	5.13	15.59	5.13
	46	8.58	4.10	9.40	4.10	10.03	4.10	10.36	4.10	11.27	4.10	12.02	4.10
	10	14.29	2.68	15.93	2.68	17.17	2.68	17.76	2.68	19.61	2.69	20.90	2.70
	14	14.03	2.86	15.61	2.87	16.81	2.89	17.39	2.89	19.18	2.92	20.43	2.94
	18	13.74	3.07	15.26	3.10	16.42	3.12	16.98	3.14	18.72	3.17	19.93	3.20
	20	13.58	3.19	15.08	3.23	16.22	3.25	16.77	3.27	18.47	3.31	19.67	3.35
	23	13.33	3.39	14.78	3.43	15.89	3.46	16.43	3.48	18.09	3.54	19.26	3.57
	27	12.97	3.67	14.36	3.73	15.43	3.77	15.94	3.79	17.55	3.86	18.68	3.91
	31	12.57	3.99	13.90	4.06	14.93	4.11	15.43	4.13	16.98	4.21	18.06	4.27
	35	12.13	4.34	13.40	4.42	14.39	4.48	14.87	4.51	16.37	4.60	17.41	4.66
100%	39	11.66	4.73	12.87	4.81	13.82	4.88	14.28	4.91	15.72	5.01	16.73	5.08
	43	11.19	5.13	12.22	5.13	13.02	5.13	13.41	5.13	14.58	5.13	15.39	5.13
	46	8.47	4.10	9.28	4.10	9.90	4.10	10.22	4.10	11.13	4.10	11.86	4.10
	10	13.35	2.45	14.93	2.44	16.14	2.44	16.70	2.44	18.47	2.45	19.72	2.45
	14	13.11	2.62	14.64	2.63	15.80	2.64	16.35	2.65	18.07	2.66	19.28	2.68
	18	12.83	2.83	14.31	2.85	15.44	2.87	15.97	2.87	17.63	2.90	18.80	2.93
	20	12.69	2.94	14.14	2.97	15.25	2.99	15.77	3.00	17.40	3.04	18.56	3.06
	23	12.45	3.12	13.86	3.16	14.94	3.19	15.45	3.20	17.04	3.25	18.17	3.28
	27	12.12	3.39	13.46	3.44	14.51	3.48	15.00	3.50	16.54	3.55	17.63	3.59
	31	11.74	3.69	13.04	3.75	14.04	3.80	14.52	3.82	16.00	3.89	17.05	3.94
	35	11.34	4.02	12.58	4.09	13.54	4.14	14.00	4.17	15.43	4.25	16.49	4.30
	39	10.91	4.39	12.08	4.46	13.01	4.52	13.45	4.55	14.82	4.64	15.80	4.70
	43	10.44	4.78	11.56	4.86	12.44	4.93	12.86	4.96	14.18	5.05	15.11	5.12
	46	8.37	4.10	9.17	4.10	9.78	4.10	10.09	4.10	10.99	4.10	11.71	4.10

3D052906

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 1 Cooling capacity tables

RMXS140EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	10	11.97	2.05	13.39	2.04	14.47	2.04	15.01	2.03	16.63	2.02	17.76	2.02
	14	11.75	2.22	13.12	2.22	14.17	2.22	14.69	2.22	16.26	2.23	17.36	2.23
	18	11.50	2.42	12.83	2.43	13.84	2.44	14.35	2.44	15.87	2.45	16.94	2.46
	20	11.37	2.53	12.67	2.54	13.67	2.55	14.17	2.56	15.66	2.58	16.71	2.59
	23	11.16	2.70	12.43	2.72	13.40	2.74	13.88	2.75	15.34	2.77	16.37	2.79
	27	10.86	2.95	12.07	2.98	13.01	3.01	13.48	3.02	14.89	3.06	15.89	3.08
	31	10.53	3.23	11.70	3.27	12.60	3.30	13.06	3.32	14.42	3.36	15.37	3.39
	35	10.18	3.54	11.29	3.59	12.16	3.62	12.60	3.64	13.91	3.69	14.87	3.73
	39	9.80	3.87	10.86	3.93	11.69	3.97	12.12	3.99	13.38	4.05	14.27	4.09
	43	9.39	4.23	10.40	4.29	11.20	4.34	11.60	4.36	12.82	4.43	13.67	4.48
80%	46	8.26	4.10	9.05	4.10	9.65	4.10	9.96	4.10	10.85	4.10	11.56	4.10
	10	10.60	1.68	11.86	1.67	12.81	1.65	13.31	1.65	14.77	1.63	15.78	1.62
	14	10.40	1.84	11.62	1.83	12.54	1.83	13.03	1.82	14.44	1.81	15.43	1.81
	18	10.19	2.02	11.36	2.02	12.25	2.02	12.73	2.02	14.10	2.02	15.06	2.02
	20	10.07	2.12	11.22	2.12	12.10	2.13	12.57	2.13	13.92	2.13	14.86	2.13
	23	9.88	2.28	11.01	2.29	11.86	2.30	12.32	2.30	13.64	2.31	14.56	2.32
	27	9.62	2.51	10.70	2.53	11.53	2.54	11.97	2.55	13.24	2.57	14.14	2.58
	31	9.33	2.77	10.37	2.79	11.17	2.81	11.60	2.82	12.83	2.84	13.69	2.86
	35	9.03	3.05	10.02	3.08	10.79	3.10	11.20	3.11	12.39	3.15	13.22	3.17
	39	8.70	3.35	9.64	3.39	10.39	3.41	10.78	3.43	11.93	3.47	12.73	3.50
70%	43	8.34	3.68	9.25	3.72	9.96	3.75	10.34	3.77	11.44	3.81	12.21	3.84
	46	8.06	3.94	8.93	3.98	9.52	4.02	9.89	4.03	10.68	4.08	11.41	4.10
	10	9.24	1.34	10.33	1.32	11.16	1.30	11.61	1.30	12.89	1.27	13.78	1.25
	14	9.07	1.48	10.13	1.46	10.93	1.45	11.37	1.45	12.61	1.43	13.48	1.42
	18	8.88	1.64	9.90	1.63	10.68	1.62	11.11	1.62	12.32	1.61	13.16	1.60
	20	8.78	1.72	9.79	1.72	10.55	1.72	10.97	1.71	12.16	1.71	13.00	1.70
	23	8.62	1.87	9.60	1.87	10.35	1.86	10.76	1.86	11.92	1.86	12.74	1.86
	27	8.39	2.07	9.34	2.08	10.06	2.08	10.46	2.08	11.59	2.09	12.38	2.09
	31	8.15	2.30	9.06	2.31	9.76	2.32	10.14	2.32	11.23	2.33	12.00	2.34
	35	7.88	2.55	8.76	2.57	9.43	2.58	9.80	2.58	10.86	2.60	11.59	2.61
60%	39	7.60	2.82	8.44	2.84	9.09	2.86	9.44	2.87	10.46	2.89	11.17	2.90
	43	7.30	3.11	8.10	3.14	8.72	3.16	9.06	3.17	10.05	3.20	10.73	3.22
	46	7.06	3.34	7.83	3.37	8.44	3.40	8.77	3.41	9.72	3.44	10.39	3.46
	10	7.88	1.03	8.81	1.01	9.51	0.99	9.90	0.98	11.00	0.96	11.77	0.94
	14	7.74	1.14	8.64	1.12	9.33	1.11	9.70	1.10	10.78	1.08	11.52	1.07
	18	7.58	1.27	8.46	1.26	9.12	1.25	9.48	1.24	10.53	1.23	11.26	1.22
	20	7.50	1.34	8.36	1.33	9.02	1.32	9.37	1.32	10.40	1.31	11.12	1.30
	23	7.37	1.46	8.21	1.45	8.85	1.45	9.20	1.44	10.21	1.44	10.91	1.43
	27	7.18	1.63	7.99	1.63	8.61	1.63	8.95	1.63	9.93	1.63	10.61	1.62
	31	6.98	1.82	7.75	1.83	8.36	1.83	8.68	1.83	9.63	1.83	10.29	1.84
50%	35	6.75	2.04	7.50	2.05	8.09	2.05	8.40	2.06	9.32	2.06	9.96	2.07
	39	6.52	2.27	7.24	2.29	7.80	2.29	8.10	2.30	8.99	2.31	9.60	2.32
	43	6.26	2.53	6.95	2.55	7.49	2.56	7.78	2.56	8.64	2.58	9.23	2.59
	46	6.06	2.74	6.72	2.75	7.25	2.77	7.53	2.78	8.36	2.80	8.94	2.81
	10	6.52	0.75	7.29	0.73	7.87	0.72	8.17	0.71	9.10	0.69	9.73	0.67
	14	6.42	0.82	7.17	0.81	7.73	0.79	8.03	0.79	8.93	0.77	9.54	0.76
	18	6.30	0.91	7.03	0.90	7.58	0.89	7.86	0.89	8.74	0.87	9.34	0.87
	20	6.23	0.97	6.95	0.95	7.49	0.95	7.77	0.94	8.64	0.93	9.23	0.93
	23	6.13	1.05	6.83	1.05	7.36	1.04	7.64	1.04	8.48	1.03	9.07	1.03
	27	5.98	1.19	6.66	1.18	7.17	1.18	7.44	1.18	8.26	1.18	8.83	1.18
	31	5.82	1.34	6.47	1.34	6.97	1.34	7.23	1.34	8.03	1.35	8.58	1.35
	35	5.64	1.52	6.26	1.52	6.75	1.52	7.00	1.53	7.77	1.53	8.32	1.54
	39	5.44	1.71	6.04	1.72	6.51	1.73	6.76	1.73	7.50	1.74	8.02	1.75
	43	5.23	1.93	5.81	1.94	6.26	1.95	6.49	1.95	7.22	1.97	7.72	1.98
	46	5.06	2.10	5.62	2.12	6.06	2.13	6.29	2.13	6.99	2.15	7.48	2.16

3D052906

Symbols:

TC: Total capacity (kW)

PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. ☐ Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 1 Cooling capacity tables

RMXS160EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	10	15,66	2,95	17,65	2,96	19,02	2,97	19,67	2,98	21,69	3,00	23,08	3,02
	14	15,37	3,16	17,28	3,19	18,60	3,21	19,24	3,22	21,20	3,26	22,54	3,29
	18	15,04	3,40	16,88	3,45	18,16	3,48	18,77	3,50	20,67	3,55	21,97	3,59
	20	14,86	3,54	16,66	3,59	17,92	3,63	18,53	3,65	20,39	3,71	21,67	3,76
	23	14,58	3,75	16,32	3,82	17,55	3,87	18,14	3,89	19,95	3,96	21,20	4,02
	27	14,17	4,08	15,84	4,15	17,02	4,21	17,59	4,24	19,34	4,33	20,55	4,39
	31	13,72	4,43	15,32	4,53	16,45	4,59	17,00	4,63	18,69	4,73	19,86	4,80
	35	13,23	4,82	14,76	4,93	15,85	5,01	16,38	5,04	18,00	5,16	19,12	5,24
	39	12,71	5,25	13,66	5,27	14,69	5,27	15,07	5,27	16,42	5,27	17,33	5,27
	43	11,23	5,27	12,29	5,27	13,20	5,27	13,55	5,27	14,79	5,27	15,62	5,27
120%	46	8,69	4,18	9,63	4,18	10,28	4,18	10,59	4,18	11,63	4,18	12,50	4,18
	10	15,31	2,96	17,25	2,97	18,60	2,98	19,26	2,98	21,28	3,00	22,66	3,02
	14	15,03	3,16	16,90	3,19	18,21	3,21	18,85	3,22	20,80	3,26	22,14	3,29
	18	14,71	3,40	16,52	3,45	17,78	3,48	18,40	3,49	20,29	3,55	21,59	3,59
	20	14,54	3,54	16,31	3,59	17,55	3,63	18,16	3,64	20,02	3,71	21,30	3,75
	23	14,27	3,75	15,99	3,82	17,19	3,86	17,79	3,88	19,60	3,96	20,85	4,01
	27	13,88	4,07	15,52	4,15	16,69	4,21	17,26	4,23	19,01	4,32	20,21	4,39
	31	13,45	4,43	15,02	4,52	16,14	4,59	16,69	4,62	18,38	4,72	19,54	4,79
	35	12,98	4,82	14,48	4,92	15,56	5,00	16,08	5,04	17,71	5,15	18,83	5,23
	39	12,47	5,25	13,49	5,27	14,51	5,27	14,88	5,27	16,22	5,27	17,11	5,27
110%	43	11,09	5,27	12,14	5,27	13,03	5,27	13,38	5,27	14,60	5,27	15,42	5,27
	46	8,58	4,18	9,51	4,18	10,15	4,18	10,46	4,18	11,49	4,18	12,34	4,18
	10	14,97	2,96	16,86	2,97	18,19	2,97	18,85	2,98	20,87	3,00	22,25	3,02
	14	14,70	3,17	16,53	3,19	17,81	3,20	18,45	3,22	20,41	3,26	21,75	3,29
	18	14,40	3,40	16,16	3,45	17,40	3,47	18,02	3,49	19,92	3,55	21,22	3,58
	20	14,24	3,54	15,96	3,59	17,18	3,61	17,79	3,64	19,66	3,70	20,94	3,75
	23	13,98	3,75	15,65	3,81	16,84	3,85	17,44	3,88	19,26	3,95	20,50	4,01
	27	13,60	4,07	15,21	4,15	16,35	4,19	16,93	4,23	18,68	4,32	19,88	4,38
	31	13,19	4,42	14,72	4,51	15,83	4,57	16,38	4,61	18,07	4,71	19,23	4,79
	35	12,74	4,81	14,20	4,92	15,26	4,98	15,79	5,03	17,43	5,14	18,54	5,22
100%	39	12,25	5,24	13,31	5,27	14,33	5,27	14,69	5,27	16,01	5,27	16,89	5,27
	43	10,95	5,27	11,98	5,27	12,87	5,27	13,21	5,27	14,42	5,27	15,23	5,27
	46	8,47	4,18	9,39	4,18	10,02	4,18	10,33	4,18	11,34	4,18	12,18	4,18
	10	14,64	2,97	16,48	2,98	17,77	2,95	18,44	2,99	20,47	3,01	21,84	3,02
	14	14,39	3,17	16,16	3,19	17,42	3,18	18,06	3,22	20,03	3,26	21,36	3,29
	18	14,10	3,41	15,91	3,45	17,03	3,44	17,65	3,49	19,56	3,54	20,84	3,58
	20	13,94	3,54	15,63	3,58	16,82	3,58	17,43	3,64	19,31	3,70	20,57	3,74
	23	13,70	3,75	15,33	3,81	16,49	3,82	17,09	3,88	18,91	3,95	20,15	4,00
	27	13,33	4,07	14,90	4,14	16,02	4,15	16,60	4,22	18,36	4,31	19,55	4,37
	31	12,93	4,42	14,43	4,51	15,51	4,53	16,07	4,60	17,77	4,71	18,92	4,78
	35	12,50	4,81	13,93	4,91	14,97	4,93	15,50	5,02	17,14	5,14	18,25	5,22
	39	12,02	5,24	13,14	5,27	14,14	5,27	14,50	5,27	15,81	5,27	16,68	5,27
	43	10,81	5,27	11,83	5,27	12,70	5,27	13,04	5,27	14,23	5,27	15,03	5,27
	46	8,36	4,18	9,27	4,18	9,89	4,18	10,19	4,18	11,20	4,18	12,03	4,18

3D052907

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 1 Cooling capacity tables

RMXS160EV- Cooling capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CWB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	10	13.05	2.49	14.64	2.49	15.89	2.47	16.49	2.49	18.34	2.49	19.60	2.49
	14	12.83	2.68	14.37	2.69	15.58	2.68	16.17	2.71	17.96	2.72	19.18	2.74
	18	12.59	2.90	14.17	2.93	15.24	2.93	15.81	2.95	17.55	2.98	18.73	3.01
	20	12.45	3.02	13.91	3.05	15.06	3.06	15.62	3.09	17.33	3.13	18.50	3.15
	23	12.24	3.22	13.65	3.26	14.77	3.27	15.32	3.31	16.99	3.35	18.13	3.39
	27	11.92	3.51	13.28	3.56	14.37	3.58	14.89	3.62	16.51	3.68	17.61	3.72
	31	11.58	3.83	12.89	3.89	13.93	3.92	14.44	3.96	16.00	4.04	17.06	4.09
	35	11.20	4.18	12.46	4.26	13.46	4.29	13.95	4.34	15.46	4.42	16.48	4.48
	39	10.80	4.57	11.99	4.65	12.96	4.68	13.43	4.74	14.88	4.84	15.87	4.90
	43	10.36	4.98	11.50	5.07	12.42	5.11	12.88	5.18	14.05	5.27	14.84	5.27
80%	46	8.25	4.18	9.15	4.18	9.76	4.18	10.06	4.18	11.05	4.18	11.87	4.18
	10	11.51	2.02	12.92	2.02	14.04	2.00	14.59	2.00	16.25	1.99	17.38	1.99
	14	11.32	2.20	12.69	2.20	13.77	2.19	14.30	2.20	15.92	2.20	17.02	2.20
	18	11.11	2.40	12.53	2.41	13.48	2.41	13.99	2.42	15.56	2.43	16.63	2.44
	20	10.99	2.51	12.29	2.53	13.33	2.53	13.83	2.54	15.38	2.56	16.43	2.57
	23	10.81	2.69	12.07	2.71	13.08	2.72	13.57	2.74	15.08	2.76	16.11	2.78
	27	10.54	2.95	11.76	2.98	12.73	3.00	13.21	3.02	14.67	3.05	15.67	3.08
	31	10.25	3.24	11.41	3.28	12.36	3.30	12.82	3.32	14.23	3.37	15.19	3.40
	35	9.93	3.55	11.05	3.60	11.96	3.63	12.40	3.66	13.76	3.71	14.69	3.75
	39	9.58	3.89	10.65	3.95	11.53	3.98	11.96	4.01	13.27	4.08	14.17	4.12
70%	43	9.21	4.26	10.23	4.33	11.07	4.37	11.48	4.40	12.75	4.47	13.61	4.52
	46	8.14	4.18	9.03	4.18	9.63	4.18	9.93	4.18	10.90	4.18	11.72	4.18
	10	10.02	1.57	11.32	1.56	12.24	1.55	12.72	1.54	14.19	1.52	15.19	1.51
	14	9.85	1.72	11.12	1.72	12.01	1.71	12.47	1.71	13.90	1.70	14.87	1.69
	18	9.67	1.90	10.99	1.90	11.76	1.90	12.21	1.90	13.60	1.90	14.54	1.90
	20	9.57	2.00	10.77	2.00	11.62	2.00	12.07	2.00	13.44	2.01	14.37	2.01
	23	9.41	2.15	10.58	2.16	11.41	2.17	11.85	2.17	13.19	2.18	14.10	2.19
	27	9.18	2.38	10.31	2.40	11.12	2.41	11.54	2.42	12.84	2.43	13.72	2.45
	31	8.93	2.63	10.02	2.66	10.80	2.67	11.21	2.68	12.46	2.71	13.32	2.73
	35	8.66	2.91	9.70	2.94	10.45	2.96	10.85	2.97	12.06	3.01	12.89	3.03
60%	39	8.37	3.21	9.37	3.25	10.09	3.27	10.47	3.29	11.64	3.33	12.44	3.36
	43	8.05	3.53	9.00	3.58	9.70	3.61	10.07	3.63	11.20	3.67	11.97	3.71
	46	7.80	3.79	8.72	3.84	9.40	3.88	9.75	3.89	10.85	3.95	11.53	3.98
	10	8.56	1.14	9.84	1.12	10.47	1.11	10.89	1.10	12.15	1.07	13.01	1.05
	14	8.42	1.26	9.66	1.24	10.28	1.24	10.68	1.23	11.91	1.21	12.75	1.20
	18	8.27	1.41	9.56	1.39	10.06	1.39	10.45	1.39	11.65	1.38	12.47	1.37
	20	8.18	1.48	9.36	1.48	9.95	1.48	10.34	1.47	11.52	1.47	12.32	1.46
	23	8.05	1.61	9.19	1.61	9.77	1.61	10.15	1.61	11.31	1.61	12.09	1.61
	27	7.85	1.81	8.95	1.81	9.52	1.82	9.89	1.82	11.01	1.82	11.77	1.83
	31	7.64	2.02	8.70	2.03	9.25	2.04	9.60	2.04	10.69	2.05	11.43	2.06
50%	35	7.41	2.26	8.42	2.28	8.96	2.29	9.30	2.29	10.35	2.31	11.07	2.32
	39	7.16	2.52	8.13	2.54	8.65	2.56	8.98	2.56	9.99	2.59	10.69	2.60
	43	6.89	2.80	7.82	2.83	8.32	2.85	8.64	2.85	9.62	2.88	10.29	2.90
	46	6.67	3.02	7.57	3.06	8.06	3.08	8.37	3.09	9.32	3.12	10.12	3.14
	10	7.16	0.73	8.47	0.69	8.75	0.68	9.09	0.67	10.15	0.65	10.87	0.63
	14	7.04	0.81	8.31	0.78	8.58	0.77	8.92	0.77	9.95	0.75	10.65	0.74
	18	6.90	0.92	8.23	0.90	8.40	0.89	8.73	0.88	9.73	0.87	10.41	0.86
	20	6.83	0.98	8.04	0.96	8.31	0.95	8.63	0.95	9.61	0.94	10.29	0.93
	23	6.71	1.08	7.89	1.07	8.15	1.06	8.47	1.06	9.44	1.05	10.10	1.05
	27	6.55	1.23	7.68	1.22	7.94	1.22	8.25	1.22	9.18	1.22	9.82	1.22
	31	6.36	1.40	7.45	1.40	7.71	1.40	8.01	1.40	8.91	1.41	9.54	1.41
	35	6.17	1.60	7.20	1.61	7.46	1.60	7.75	1.61	8.63	1.62	9.23	1.62
	39	5.95	1.81	6.94	1.83	7.20	1.83	7.48	1.83	8.33	1.85	8.91	1.86
	43	5.72	2.05	6.66	2.07	6.92	2.07	7.19	2.08	8.01	2.10	8.57	2.11
	46	5.54	2.24	6.44	2.27	6.70	2.27	6.96	2.28	7.76	2.30	8.25	2.32

3D052907

Symbols:

TC: Total capacity (kW)

PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. ☐ Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

5

RMXS112EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-15	7.77	3.23	7.79	3.34	7.81	3.46	7.81	3.53	7.82	3.59	7.83	3.71
	-11	8.83	3.31	8.82	3.44	8.81	3.57	8.81	3.64	8.80	3.70	8.79	3.83
	-7	9.95	3.41	9.93	3.54	9.89	3.68	9.88	3.76	9.86	3.82	9.83	3.95
	-3	11.14	3.51	11.09	3.66	11.04	3.81	11.02	3.89	10.99	3.96	10.95	4.09
	0	12.07	3.60	12.01	3.75	11.95	3.91	11.91	3.99	11.88	4.07	11.83	4.21
	2	12.71	3.66	12.64	3.82	12.57	3.98	12.53	4.07	12.49	4.15	12.43	4.29
	6	14.03	3.80	13.94	3.97	13.85	4.14	13.80	4.24	13.76	4.31	13.69	4.46
	10	15.41	3.95	15.30	4.13	15.19	4.32	15.13	4.41	15.08	4.50	15.00	4.65
	12	16.11	4.04	15.99	4.22	15.88	4.41	15.82	4.51	15.77	4.60	15.68	4.75
	15	17.19	4.17	17.06	4.37	16.93	4.56	16.87	4.67	16.81	4.76	16.72	4.91
120%	-15	7.80	3.10	7.82	3.21	7.83	3.34	7.83	3.40	7.84	3.47	7.84	3.63
	-11	8.83	3.20	8.82	3.33	8.81	3.47	8.80	3.54	8.79	3.61	8.77	3.77
	-7	9.92	3.33	9.89	3.46	9.85	3.61	9.84	3.68	9.82	3.76	9.77	3.94
	-3	11.08	3.46	11.02	3.61	10.97	3.76	10.94	3.84	10.91	3.93	10.84	4.12
	0	11.98	3.58	11.91	3.73	11.84	3.89	11.80	3.98	11.77	4.06	11.68	4.27
	2	12.59	3.66	12.52	3.82	12.44	3.99	12.40	4.07	12.35	4.16	12.26	4.37
	6	13.87	3.83	13.77	4.01	13.67	4.18	13.62	4.28	13.57	4.37	13.45	4.59
	10	15.18	4.03	15.07	4.21	14.96	4.40	14.90	4.50	14.84	4.60	14.70	4.84
	12	15.86	4.14	15.74	4.33	15.62	4.52	15.56	4.62	15.50	4.72	15.35	4.97
	15	16.90	4.31	16.77	4.51	16.64	4.71	16.57	4.81	16.50	4.92	16.34	5.18
110%	-15	7.68	3.07	7.69	3.19	7.71	3.32	7.71	3.39	7.71	3.46	7.72	3.61
	-11	8.70	3.19	8.69	3.32	8.68	3.46	8.67	3.53	8.66	3.60	8.64	3.77
	-7	9.78	3.32	9.75	3.46	9.71	3.61	9.69	3.69	9.67	3.76	9.63	3.94
	-3	10.92	3.47	10.87	3.62	10.81	3.78	10.78	3.86	10.75	3.94	10.68	4.13
	0	11.81	3.59	11.74	3.75	11.67	3.91	11.63	4.00	11.60	4.09	11.51	4.28
	2	12.42	3.68	12.34	3.84	12.26	4.01	12.22	4.10	12.17	4.19	12.08	4.39
	6	13.67	3.86	13.57	4.04	13.47	4.22	13.42	4.31	13.37	4.41	13.26	4.63
	10	14.96	4.07	14.85	4.26	14.74	4.45	14.68	4.55	14.62	4.65	14.49	4.88
	12	15.63	4.19	15.51	4.38	15.39	4.58	15.32	4.68	15.26	4.78	15.12	5.02
	15	16.64	4.37	16.51	4.57	16.38	4.78	16.31	4.88	16.24	4.99	16.09	5.24
100%	-15	6.99	2.91	7.00	3.02	7.01	3.15	7.01	3.21	7.02	3.27	7.02	3.38
	-11	7.96	3.01	7.95	3.14	7.94	3.27	7.93	3.34	7.93	3.40	7.92	3.51
	-7	8.99	3.12	8.96	3.26	8.93	3.40	8.91	3.47	8.90	3.54	8.87	3.65
	-3	10.07	3.25	10.02	3.39	9.97	3.55	9.94	3.62	9.92	3.69	9.89	3.80
	0	10.92	3.37	10.85	3.51	10.79	3.66	10.75	3.75	10.73	3.82	10.68	3.93
	2	11.49	3.43	11.42	3.59	11.35	3.75	11.31	3.83	11.28	3.90	11.23	4.02
	6	12.68	3.59	12.59	3.76	12.50	3.93	12.45	4.02	12.42	4.09	12.36	4.20
	10	13.91	3.77	13.80	3.95	13.70	4.13	13.64	4.22	13.60	4.30	13.54	4.41
	12	14.54	3.86	14.43	4.05	14.31	4.24	14.26	4.33	14.21	4.41	14.15	4.52
	15	15.50	4.02	15.38	4.21	15.26	4.41	15.19	4.51	15.14	4.59	15.08	4.69

3D052908

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

RMXS112EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-15	6, 24	2, 59	6, 26	2, 70	6, 26	2, 82	6, 27	2, 88	6, 27	2, 94	6, 27	3, 03
	-11	7, 16	2, 69	7, 15	2, 81	7, 14	2, 94	7, 13	3, 01	7, 13	3, 07	7, 12	3, 15
	-7	8, 12	2, 81	8, 09	2, 94	8, 06	3, 07	8, 04	3, 15	8, 03	3, 20	8, 01	3, 29
	-3	9, 12	2, 93	9, 07	3, 07	9, 03	3, 22	9, 00	3, 29	8, 98	3, 35	8, 96	3, 43
	0	9, 90	3, 05	9, 84	3, 18	9, 78	3, 34	9, 75	3, 42	9, 72	3, 48	9, 69	3, 55
	2	10, 43	3, 11	10, 36	3, 26	10, 29	3, 42	10, 26	3, 50	10, 23	3, 56	10, 20	3, 64
	6	11, 52	3, 27	11, 44	3, 43	11, 35	3, 59	11, 31	3, 68	11, 28	3, 74	11, 24	3, 81
	10	12, 64	3, 44	12, 55	3, 61	12, 45	3, 79	12, 40	3, 88	12, 36	3, 94	12, 33	4, 01
	12	13, 22	3, 54	13, 11	3, 71	13, 01	3, 89	12, 95	3, 99	12, 92	4, 05	12, 88	4, 11
80%	15	14, 10	3, 69	13, 98	3, 87	13, 87	4, 06	13, 81	4, 15	13, 77	4, 22	13, 73	4, 27
	-15	5, 51	2, 29	5, 52	2, 40	5, 52	2, 51	5, 53	2, 57	5, 53	2, 62	5, 54	2, 70
	-11	6, 35	2, 39	6, 35	2, 50	6, 34	2, 63	6, 33	2, 69	6, 33	2, 74	6, 32	2, 81
	-7	7, 24	2, 50	7, 21	2, 62	7, 19	2, 75	7, 17	2, 82	7, 16	2, 88	7, 15	2, 94
	-3	8, 16	2, 62	8, 12	2, 75	8, 08	2, 89	8, 05	2, 97	8, 04	3, 02	8, 02	3, 08
	0	8, 88	2, 73	8, 82	2, 86	8, 77	3, 01	8, 74	3, 08	8, 72	3, 14	8, 70	3, 19
	2	9, 36	2, 80	9, 30	2, 94	9, 24	3, 09	9, 20	3, 17	9, 18	3, 22	9, 16	3, 27
	6	10, 36	2, 95	10, 28	3, 10	10, 20	3, 26	10, 16	3, 34	10, 14	3, 40	10, 12	3, 44
	10	11, 38	3, 12	11, 29	3, 28	11, 20	3, 45	11, 15	3, 53	11, 12	3, 59	11, 11	3, 62
70%	12	11, 90	3, 21	11, 81	3, 38	11, 71	3, 55	11, 66	3, 64	11, 63	3, 69	11, 61	3, 72
	15	12, 70	3, 36	12, 60	3, 53	12, 49	3, 71	12, 43	3, 80	12, 40	3, 86	12, 39	3, 88
	-15	4, 77	2, 01	4, 78	2, 11	4, 79	2, 22	4, 80	2, 28	4, 80	2, 33	4, 80	2, 39
	-11	5, 55	2, 10	5, 54	2, 21	5, 53	2, 33	5, 53	2, 39	5, 53	2, 44	5, 52	2, 50
	-7	6, 36	2, 20	6, 34	2, 32	6, 31	2, 44	6, 30	2, 51	6, 29	2, 56	6, 28	2, 62
	-3	7, 20	2, 32	7, 16	2, 44	7, 12	2, 57	7, 10	2, 64	7, 09	2, 69	7, 07	2, 75
	0	7, 85	2, 42	7, 80	2, 54	7, 75	2, 68	7, 73	2, 76	7, 71	2, 80	7, 69	2, 85
	2	8, 29	2, 48	8, 23	2, 62	8, 18	2, 76	8, 15	2, 83	8, 13	2, 88	8, 12	2, 93
	6	9, 19	2, 63	9, 12	2, 77	9, 05	2, 92	9, 02	3, 00	9, 00	3, 05	8, 98	3, 09
60%	10	10, 12	2, 80	10, 04	2, 95	9, 96	3, 11	9, 92	3, 19	9, 89	3, 24	9, 88	3, 26
	12	10, 59	2, 89	10, 51	3, 04	10, 42	3, 20	10, 38	3, 29	10, 35	3, 34	10, 34	3, 36
	15	11, 32	3, 03	11, 22	3, 19	11, 13	3, 36	11, 08	3, 45	11, 05	3, 50	11, 05	3, 51
	-15	4, 05	1, 76	4, 06	1, 85	4, 07	1, 95	4, 07	2, 01	4, 07	2, 05	4, 08	2, 12
	-11	4, 74	1, 84	4, 74	1, 93	4, 73	2, 04	4, 73	2, 10	4, 73	2, 14	4, 73	2, 21
	-7	5, 47	1, 92	5, 45	2, 03	5, 43	2, 14	5, 42	2, 20	5, 42	2, 25	5, 41	2, 31
	-3	6, 23	2, 02	6, 20	2, 14	6, 16	2, 26	6, 15	2, 32	6, 14	2, 37	6, 12	2, 43
	0	6, 81	2, 11	6, 77	2, 23	6, 73	2, 36	6, 71	2, 43	6, 69	2, 47	6, 68	2, 53
	2	7, 21	2, 17	7, 16	2, 30	7, 12	2, 43	7, 09	2, 50	7, 08	2, 55	7, 06	2, 60
50%	6	8, 03	2, 31	7, 97	2, 45	7, 91	2, 59	7, 88	2, 66	7, 86	2, 71	7, 84	2, 76
	10	8, 86	2, 47	8, 79	2, 62	8, 72	2, 77	8, 69	2, 85	8, 67	2, 89	8, 65	2, 93
	12	9, 29	2, 56	9, 22	2, 71	9, 14	2, 86	9, 10	2, 95	9, 08	2, 99	9, 07	3, 02
	15	9, 94	2, 70	9, 86	2, 86	9, 78	3, 02	9, 73	3, 10	9, 71	3, 15	9, 70	3, 18
	-15	3, 32	1, 54	3, 33	1, 62	3, 34	1, 71	3, 35	1, 75	3, 35	1, 79	3, 36	1, 87
	-11	3, 93	1, 59	3, 93	1, 67	3, 93	1, 77	3, 93	1, 82	3, 93	1, 86	3, 93	1, 94
	-7	4, 58	1, 65	4, 56	1, 75	4, 55	1, 85	4, 54	1, 90	4, 54	1, 94	4, 53	2, 02
	-3	5, 25	1, 73	5, 22	1, 84	5, 20	1, 95	5, 19	2, 01	5, 18	2, 05	5, 16	2, 13
	0	5, 77	1, 81	5, 74	1, 92	5, 70	2, 04	5, 69	2, 10	5, 68	2, 14	5, 65	2, 22
	2	6, 13	1, 86	6, 09	1, 98	6, 05	2, 10	6, 03	2, 17	6, 02	2, 21	5, 99	2, 29
	6	6, 86	1, 99	6, 81	2, 12	6, 76	2, 25	6, 73	2, 32	6, 72	2, 37	6, 69	2, 45
	10	7, 61	2, 15	7, 55	2, 28	7, 49	2, 43	7, 46	2, 50	7, 45	2, 55	7, 42	2, 62
	12	8, 00	2, 24	7, 93	2, 37	7, 87	2, 52	7, 84	2, 60	7, 82	2, 64	7, 79	2, 72
	15	8, 58	2, 38	8, 52	2, 52	8, 45	2, 68	8, 41	2, 76	8, 39	2, 81	8, 36	2, 88

3D052908

Symbols:

TC: Total capacity (kW)

PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. ☐ Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

5

RMXS140EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-15	9.54	3.36	9.57	3.46	9.59	3.58	9.60	3.64	9.61	3.70	9.63	3.83
	-11	10.79	3.44	10.79	3.55	10.79	3.68	10.78	3.74	10.78	3.81	10.76	3.95
	-7	12.14	3.53	12.11	3.65	12.07	3.79	12.06	3.86	12.04	3.93	12.00	4.08
	-3	13.57	3.63	13.51	3.76	13.45	3.91	13.42	3.98	13.39	4.06	13.32	4.22
	0	14.69	3.71	14.61	3.85	14.53	4.01	14.49	4.08	14.45	4.17	14.37	4.33
	2	15.46	3.77	15.36	3.92	15.28	4.08	15.23	4.16	15.19	4.24	15.09	4.42
	6	17.04	3.90	16.93	4.06	16.82	4.23	16.77	4.32	16.71	4.41	16.59	4.59
	10	18.69	4.05	18.56	4.22	18.43	4.40	18.36	4.49	18.30	4.59	18.16	4.78
	12	19.54	4.13	19.39	4.31	19.25	4.49	19.18	4.59	19.11	4.69	18.97	4.89
	15	20.84	4.26	20.67	4.45	20.52	4.64	20.45	4.74	20.37	4.84	20.21	5.05
120%	-15	9.51	3.41	9.53	3.52	9.55	3.65	9.56	3.71	9.56	3.78	9.57	3.92
	-11	10.72	3.51	10.72	3.63	10.71	3.77	10.70	3.84	10.69	3.91	10.67	4.06
	-7	12.03	3.63	12.00	3.76	11.96	3.90	11.94	3.98	11.92	4.06	11.87	4.22
	-3	13.41	3.76	13.35	3.90	13.29	4.06	13.26	4.14	13.22	4.22	13.15	4.39
	0	14.49	3.87	14.42	4.02	14.34	4.18	14.30	4.27	14.25	4.35	14.17	4.54
	2	15.24	3.94	15.15	4.10	15.06	4.27	15.01	4.36	14.96	4.45	14.86	4.64
	6	16.77	4.11	16.66	4.29	16.55	4.47	16.49	4.56	16.43	4.65	16.31	4.85
	10	18.36	4.31	18.23	4.49	18.10	4.68	18.03	4.78	17.96	4.88	17.82	5.09
	12	19.17	4.41	19.04	4.60	18.89	4.80	18.82	4.90	18.75	5.01	18.60	5.22
	15	20.42	4.58	20.27	4.78	20.11	4.99	20.04	5.09	19.96	5.20	19.79	5.43
110%	-15	9.44	3.48	9.46	3.60	9.48	3.73	9.48	3.80	9.49	3.87	9.50	4.03
	-11	10.63	3.60	10.62	3.73	10.61	3.88	10.60	3.95	10.59	4.03	10.57	4.19
	-7	11.90	3.74	11.86	3.88	11.82	4.04	11.80	4.12	11.78	4.20	11.73	4.37
	-3	13.25	3.90	13.18	4.05	13.12	4.22	13.08	4.30	13.05	4.39	12.97	4.58
	0	14.30	4.03	14.22	4.19	14.13	4.37	14.09	4.46	14.05	4.55	13.95	4.74
	2	15.02	4.12	14.93	4.29	14.83	4.47	14.78	4.57	14.73	4.66	14.63	4.86
	6	16.50	4.33	16.39	4.51	16.27	4.70	16.21	4.80	16.15	4.90	16.03	5.11
	10	18.04	4.56	17.91	4.75	17.77	4.96	17.70	5.06	17.63	5.17	17.49	5.40
	12	18.83	4.69	18.69	4.89	18.54	5.10	18.47	5.20	18.39	5.31	17.07	5.45
	15	20.03	4.89	19.88	5.10	19.72	5.32	19.64	5.43	18.39	5.45	17.44	5.45
100%	-15	9.35	3.57	9.37	3.70	9.38	3.84	9.39	3.91	9.39	3.99	9.39	4.15
	-11	10.51	3.71	10.50	3.85	10.49	4.00	10.48	4.08	10.46	4.16	10.44	4.33
	-7	11.76	3.87	11.72	4.02	11.67	4.18	11.65	4.27	11.62	4.35	11.57	4.54
	-3	13.07	4.05	13.00	4.21	12.93	4.39	12.90	4.48	12.86	4.57	12.78	4.76
	0	14.09	4.20	14.01	4.38	13.92	4.56	13.88	4.65	13.83	4.75	13.74	4.95
	2	14.79	4.31	14.70	4.49	14.60	4.68	14.55	4.77	14.50	4.87	14.39	5.08
	6	16.23	4.55	16.12	4.74	16.00	4.94	15.94	5.04	15.88	5.15	15.75	5.37
	10	17.73	4.81	17.59	5.02	17.46	5.23	17.39	5.34	17.44	5.45	16.56	5.45
	12	18.49	4.96	18.35	5.17	18.20	5.39	18.18	5.45	17.74	5.45	16.85	5.45
	15	19.66	5.18	19.51	5.41	19.08	5.45	18.61	5.45	18.16	5.45	17.22	5.45

3D052909

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

RMXS140EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-15	8, 14	3, 28	8, 16	3, 41	8, 17	3, 54	8, 18	3, 61	8, 18	3, 68	8, 19	3, 84
	-11	9, 27	3, 40	9, 26	3, 54	9, 25	3, 68	9, 24	3, 76	9, 23	3, 83	9, 21	4, 00
	-7	10, 46	3, 54	10, 42	3, 68	10, 39	3, 83	10, 37	3, 92	10, 34	4, 00	10, 30	4, 18
	-3	11, 71	3, 68	11, 65	3, 84	11, 59	4, 00	11, 56	4, 09	11, 53	4, 18	11, 46	4, 37
	0	12, 68	3, 81	12, 61	3, 97	12, 53	4, 14	12, 49	4, 23	12, 45	4, 32	12, 37	4, 52
	2	13, 35	3, 89	13, 26	4, 06	13, 17	4, 24	13, 13	4, 33	13, 08	4, 43	12, 99	4, 63
	6	14, 71	4, 08	14, 61	4, 26	14, 50	4, 45	14, 45	4, 55	14, 39	4, 65	14, 27	4, 86
	10	16, 12	4, 29	16, 00	4, 48	15, 88	4, 68	15, 81	4, 78	15, 75	4, 89	15, 61	5, 12
	12	16, 84	4, 40	16, 71	4, 60	16, 58	4, 80	16, 51	4, 91	16, 44	5, 02	16, 30	5, 25
	15	17, 95	4, 58	17, 80	4, 78	17, 66	5, 00	17, 58	5, 11	17, 51	5, 22	16, 99	5, 45
80%	-15	7, 04	2, 94	7, 06	3, 06	7, 07	3, 19	7, 08	3, 26	7, 08	3, 33	7, 09	3, 48
	-11	8, 11	3, 04	8, 10	3, 17	8, 09	3, 31	8, 08	3, 38	8, 08	3, 46	8, 06	3, 62
	-7	9, 23	3, 16	9, 20	3, 30	9, 16	3, 44	9, 15	3, 52	9, 13	3, 60	9, 09	3, 77
	-3	10, 39	3, 28	10, 34	3, 43	10, 29	3, 59	10, 26	3, 67	10, 24	3, 75	10, 17	3, 93
	0	11, 30	3, 39	11, 24	3, 54	11, 17	3, 70	11, 13	3, 79	11, 10	3, 87	11, 02	4, 06
	2	11, 92	3, 46	11, 85	3, 62	11, 77	3, 78	11, 73	3, 87	11, 69	3, 96	11, 60	4, 16
	6	13, 19	3, 61	13, 10	3, 78	13, 00	3, 96	12, 95	4, 05	12, 90	4, 14	12, 80	4, 35
	10	14, 50	3, 78	14, 39	3, 96	14, 28	4, 14	14, 22	4, 24	14, 16	4, 34	14, 04	4, 56
	12	15, 17	3, 88	15, 05	4, 06	14, 93	4, 25	14, 87	4, 35	14, 81	4, 45	14, 67	4, 67
	15	16, 19	4, 02	16, 06	4, 21	15, 93	4, 40	15, 86	4, 51	15, 79	4, 61	15, 64	4, 85
70%	-15	6, 05	2, 53	6, 06	2, 64	6, 08	2, 76	6, 08	2, 82	6, 09	2, 89	6, 10	3, 03
	-11	7, 03	2, 62	7, 02	2, 74	7, 02	2, 87	7, 01	2, 94	7, 01	3, 01	7, 00	3, 16
	-7	8, 06	2, 73	8, 03	2, 85	8, 00	2, 99	7, 99	3, 06	7, 97	3, 13	7, 94	3, 29
	-3	9, 13	2, 84	9, 08	2, 98	9, 04	3, 12	9, 01	3, 20	8, 99	3, 27	8, 93	3, 44
	0	9, 95	2, 94	9, 90	3, 08	9, 84	3, 23	9, 81	3, 31	9, 78	3, 39	9, 71	3, 57
	2	10, 52	3, 00	10, 45	3, 15	10, 38	3, 30	10, 35	3, 38	10, 31	3, 47	10, 24	3, 65
	6	11, 67	3, 15	11, 59	3, 30	11, 50	3, 46	11, 46	3, 55	11, 42	3, 64	11, 32	3, 83
	10	12, 86	3, 30	12, 76	3, 47	12, 66	3, 64	12, 61	3, 73	12, 56	3, 82	12, 45	4, 02
	12	13, 46	3, 39	13, 36	3, 56	13, 25	3, 73	13, 20	3, 82	13, 14	3, 92	13, 02	4, 13
	15	14, 39	3, 52	14, 27	3, 70	14, 15	3, 88	14, 10	3, 97	14, 03	4, 07	13, 90	4, 29
60%	-15	5, 17	2, 05	5, 18	2, 15	5, 19	2, 25	5, 20	2, 31	5, 20	2, 37	5, 22	2, 49
	-11	6, 04	2, 14	6, 04	2, 25	6, 03	2, 36	6, 03	2, 42	6, 02	2, 48	6, 02	2, 61
	-7	6, 96	2, 24	6, 93	2, 36	6, 91	2, 48	6, 90	2, 54	6, 88	2, 61	6, 86	2, 75
	-3	7, 90	2, 36	7, 87	2, 48	7, 82	2, 61	7, 80	2, 68	7, 78	2, 75	7, 74	2, 90
	0	8, 64	2, 46	8, 59	2, 59	8, 53	2, 72	8, 51	2, 79	8, 48	2, 86	8, 42	3, 02
	2	9, 14	2, 53	9, 08	2, 66	9, 02	2, 80	8, 99	2, 87	8, 96	2, 95	8, 89	3, 11
	6	10, 15	2, 68	10, 08	2, 82	10, 00	2, 97	9, 97	3, 05	9, 93	3, 12	9, 85	3, 29
	10	11, 20	2, 85	11, 11	3, 00	11, 02	3, 16	10, 98	3, 24	10, 94	3, 32	10, 84	3, 50
	12	11, 73	2, 94	11, 64	3, 10	11, 54	3, 26	11, 50	3, 34	11, 45	3, 43	11, 35	3, 61
	15	12, 55	3, 09	12, 45	3, 25	12, 34	3, 42	12, 29	3, 50	12, 24	3, 59	12, 12	3, 79
50%	-15	4, 40	1, 55	4, 41	1, 63	4, 42	1, 72	4, 43	1, 77	4, 43	1, 81	4, 45	1, 91
	-11	5, 14	1, 64	5, 14	1, 73	5, 14	1, 83	5, 13	1, 87	5, 13	1, 92	5, 12	2, 03
	-7	5, 92	1, 74	5, 90	1, 84	5, 88	1, 95	5, 87	2, 00	5, 86	2, 05	5, 84	2, 17
	-3	6, 73	1, 87	6, 70	1, 97	6, 66	2, 09	6, 64	2, 14	6, 62	2, 20	6, 59	2, 32
	0	7, 35	1, 97	7, 31	2, 08	7, 26	2, 21	7, 24	2, 26	7, 22	2, 32	7, 17	2, 45
	2	7, 78	2, 05	7, 73	2, 17	7, 67	2, 29	7, 65	2, 35	7, 62	2, 41	7, 57	2, 54
	6	8, 64	2, 22	8, 58	2, 35	8, 51	2, 48	8, 48	2, 54	8, 44	2, 61	8, 38	2, 75
	10	9, 53	2, 42	9, 45	2, 55	9, 37	2, 69	9, 33	2, 76	9, 29	2, 83	9, 22	2, 97
	12	9, 98	2, 52	9, 90	2, 66	9, 81	2, 81	9, 77	2, 87	9, 73	2, 95	9, 65	3, 10
	15	10, 67	2, 69	10, 58	2, 83	10, 48	2, 99	10, 44	3, 06	10, 40	3, 14	10, 31	3, 30

3D052909

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

5

RMXS160EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-15	10.04	4.02	10.07	4.14	10.10	4.27	10.11	4.34	10.12	4.41	10.14	4.57
	-11	11.34	4.10	11.34	4.23	11.34	4.37	11.34	4.44	11.33	4.52	11.32	4.69
	-7	12.74	4.19	12.72	4.33	12.69	4.48	12.67	4.56	12.66	4.64	12.61	4.83
	-3	14.24	4.28	14.19	4.43	14.13	4.60	14.10	4.69	14.07	4.78	14.01	4.97
	0	15.42	4.36	15.35	4.52	15.27	4.70	15.23	4.79	15.19	4.88	15.11	5.09
	2	16.22	4.42	16.14	4.59	16.06	4.77	16.01	4.86	15.97	4.96	15.87	5.18
	6	17.90	4.54	17.79	4.72	17.68	4.92	17.63	5.02	17.57	5.13	17.45	5.36
	10	19.64	4.69	19.51	4.85	19.38	5.09	19.32	5.20	19.25	5.31	19.11	5.56
	12	20.53	4.77	20.40	4.97	20.26	5.18	20.19	5.29	20.12	5.31	19.96	5.66
	15	21.90	4.89	21.76	5.10	21.60	5.33	21.52	5.45	21.44	5.57	21.27	5.83
120%	-15	10.13	3.97	10.15	4.09	10.18	4.23	10.19	4.30	10.20	4.38	10.21	4.54
	-11	11.41	4.07	11.41	4.20	11.40	4.35	11.40	4.43	11.39	4.51	11.38	4.69
	-7	12.79	4.18	12.76	4.33	12.73	4.49	12.71	4.57	12.69	4.66	12.64	4.85
	-3	14.26	4.30	14.21	4.47	14.15	4.64	14.11	4.73	14.08	4.83	14.01	5.03
	0	15.42	4.41	15.34	4.58	15.26	4.76	15.22	4.86	15.18	4.96	15.08	5.18
	2	16.21	4.48	16.12	4.66	16.03	4.85	15.98	4.95	15.93	5.06	15.83	5.28
	6	17.85	4.65	17.74	4.84	17.62	5.05	17.56	5.15	17.50	5.27	17.37	5.51
	10	19.55	4.84	19.42	5.01	19.28	5.26	19.21	5.38	19.14	5.50	18.99	5.75
	12	20.42	4.94	20.28	5.16	20.14	5.38	20.06	5.50	19.99	5.52	19.82	5.89
	15	21.76	5.11	21.61	5.33	21.45	5.57	21.36	5.69	21.28	5.82	21.10	6.10
110%	-15	10.14	4.00	10.17	4.13	10.19	4.27	10.20	4.35	10.21	4.43	10.22	4.60
	-11	11.42	4.11	11.41	4.26	11.40	4.41	11.40	4.49	11.39	4.58	11.37	4.76
	-7	12.79	4.24	12.76	4.39	12.72	4.56	12.70	4.65	12.68	4.74	12.63	4.93
	-3	14.25	4.38	14.19	4.55	14.12	4.73	14.09	4.82	14.05	4.92	13.98	5.13
	0	15.39	4.49	15.31	4.67	15.23	4.86	15.18	4.96	15.14	5.07	15.04	5.29
	2	16.17	4.58	16.08	4.77	15.99	4.96	15.94	5.06	15.89	5.17	15.78	5.40
	6	17.79	4.76	17.68	4.97	17.56	5.17	17.50	5.29	17.44	5.40	17.31	5.64
	10	19.47	4.97	19.34	5.16	19.20	5.41	19.13	5.53	19.06	5.65	18.91	5.91
	12	20.34	5.09	20.19	5.31	20.05	5.54	19.97	5.66	19.89	5.69	19.73	6.06
	15	21.66	5.27	21.50	5.51	21.34	5.75	21.26	5.88	21.17	6.01	20.46	6.16
100%	-15	10.09	4.13	10.11	4.26	10.14	4.41	10.15	4.48	10.15	4.56	10.17	4.73
	-11	11.36	4.24	11.36	4.38	11.35	4.54	11.34	4.62	11.34	4.71	11.32	4.89
	-7	12.73	4.36	12.70	4.52	12.66	4.69	12.64	4.78	12.62	4.87	12.57	5.07
	-3	14.18	4.50	14.13	4.67	14.06	4.85	14.03	4.95	14.00	5.05	13.93	5.26
	0	15.33	4.61	15.25	4.80	15.17	4.99	15.13	5.09	15.08	5.19	14.99	5.42
	2	16.11	4.69	16.02	4.89	15.92	5.09	15.88	5.19	15.83	5.30	15.73	5.53
	6	17.73	4.88	17.61	5.09	17.50	5.30	17.44	5.41	17.38	5.52	17.26	5.77
	10	19.41	5.08	19.27	5.31	19.14	5.54	19.07	5.65	19.00	5.78	18.85	6.04
	12	20.28	5.19	20.13	5.43	19.99	5.66	19.91	5.79	19.84	5.91	19.63	6.16
	15	21.60	5.38	21.44	5.63	21.28	5.87	21.20	6.00	21.12	6.13	20.20	6.16

3D052910

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 2 Heating capacity tables

RMXS160EV- Heating capacity

Combination %	Outdoor air temp. °CDB	Indoor air temp.: °CDB											
		14 °C		16 °C		18 °C		19 °C		22 °C		24 °C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-15	8,95	3,62	8,97	3,76	8,99	3,90	9,00	3,97	9,01	4,05	9,02	4,21
	-11	10,16	3,73	10,15	3,88	10,14	4,03	10,13	4,11	10,13	4,19	10,11	4,37
	-7	11,44	3,85	11,41	4,01	11,37	4,17	11,35	4,26	11,33	4,35	11,29	4,54
	-3	12,80	3,99	12,74	4,16	12,68	4,33	12,65	4,42	12,61	4,52	12,55	4,72
	0	13,86	4,10	13,78	4,28	13,70	4,46	13,66	4,56	13,62	4,65	13,53	4,87
	2	14,58	4,18	14,49	4,37	14,40	4,55	14,36	4,65	14,31	4,75	14,22	4,97
	6	16,08	4,35	15,97	4,55	15,86	4,75	15,80	4,86	15,75	4,96	15,62	5,19
	10	17,63	4,54	17,49	4,76	17,37	4,97	17,30	5,08	17,24	5,19	17,09	5,44
	12	18,42	4,64	18,28	4,87	18,14	5,09	18,07	5,20	18,00	5,32	17,85	5,57
80%	15	19,64	4,81	19,48	5,05	19,33	5,27	19,25	5,39	19,17	5,51	19,01	5,78
	-15	7,85	3,12	7,87	3,25	7,89	3,38	7,89	3,45	7,90	3,52	7,91	3,68
	-11	8,98	3,22	8,97	3,37	8,96	3,51	8,96	3,58	8,95	3,66	8,93	3,83
	-7	10,17	3,34	10,14	3,50	10,10	3,65	10,08	3,73	10,06	3,81	10,02	3,99
	-3	11,42	3,47	11,36	3,64	11,31	3,80	11,28	3,89	11,25	3,97	11,18	4,16
	0	12,39	3,58	12,32	3,76	12,25	3,93	12,21	4,01	12,17	4,11	12,09	4,30
	2	13,06	3,66	12,97	3,84	12,89	4,01	12,85	4,11	12,80	4,20	12,71	4,40
	6	14,42	3,82	14,32	4,02	14,22	4,20	14,16	4,30	14,11	4,40	14,00	4,62
	10	15,84	4,01	15,71	4,21	15,59	4,41	15,53	4,51	15,47	4,62	15,33	4,85
70%	12	16,56	4,10	16,42	4,32	16,29	4,52	16,23	4,62	16,16	4,73	16,02	4,97
	15	17,66	4,26	17,51	4,48	17,37	4,69	17,30	4,80	17,23	4,92	17,07	5,16
	-15	6,80	2,61	6,81	2,73	6,82	2,85	6,83	2,92	6,84	2,98	6,85	3,13
	-11	7,83	2,71	7,82	2,84	7,81	2,98	7,81	3,04	7,80	3,12	7,79	3,27
	-7	8,92	2,83	8,88	2,97	8,85	3,11	8,84	3,19	8,82	3,26	8,78	3,43
	-3	10,05	2,96	10,00	3,11	9,95	3,26	9,92	3,34	9,89	3,42	9,84	3,59
	0	10,93	3,06	10,86	3,22	10,80	3,38	10,76	3,46	10,73	3,55	10,66	3,73
	2	11,53	3,14	11,45	3,31	11,37	3,47	11,34	3,55	11,30	3,64	11,22	3,83
	6	12,76	3,30	12,67	3,48	12,57	3,65	12,53	3,74	12,48	3,83	12,37	4,03
60%	10	14,03	3,48	13,92	3,67	13,81	3,85	13,75	3,95	13,69	4,04	13,57	4,25
	12	14,68	3,58	14,56	3,78	14,44	3,96	14,38	4,06	14,32	4,16	14,19	4,37
	15	15,67	3,73	15,53	3,94	15,40	4,13	15,34	4,23	15,27	4,34	15,13	4,56
	-15	5,78	2,10	5,79	2,21	5,80	2,32	5,81	2,38	5,82	2,44	5,83	2,57
	-11	6,71	2,20	6,70	2,32	6,69	2,44	6,69	2,50	6,68	2,57	6,67	2,70
	-7	7,68	2,31	7,65	2,44	7,63	2,57	7,61	2,64	7,60	2,70	7,57	2,85
	-3	8,69	2,44	8,65	2,58	8,60	2,71	8,58	2,78	8,55	2,86	8,50	3,01
	0	9,48	2,55	9,42	2,69	9,36	2,83	9,33	2,91	9,30	2,98	9,23	3,15
	2	10,01	2,62	9,94	2,77	9,87	2,92	9,84	2,99	9,80	3,07	9,73	3,24
50%	6	11,10	2,79	11,01	2,94	10,93	3,10	10,89	3,18	10,85	3,26	10,76	3,44
	10	12,22	2,97	12,12	3,14	12,02	3,31	11,97	3,39	11,92	3,48	11,82	3,66
	12	12,79	3,07	12,68	3,24	12,58	3,41	12,53	3,50	12,47	3,59	12,36	3,78
	15	13,67	3,23	13,55	3,41	13,43	3,59	13,38	3,67	13,32	3,77	13,19	3,97
	-15	4,80	1,61	4,81	1,70	4,83	1,80	4,83	1,85	4,84	1,90	4,85	2,01
	-11	5,62	1,70	5,61	1,80	5,61	1,91	5,60	1,96	5,60	2,01	5,59	2,13
	-7	6,47	1,81	6,44	1,91	6,42	2,03	6,41	2,09	6,40	2,14	6,37	2,27
	-3	7,35	1,93	7,31	2,04	7,27	2,17	7,25	2,23	7,23	2,29	7,19	2,42
	0	8,03	2,04	7,98	2,16	7,93	2,29	7,90	2,35	7,88	2,41	7,82	2,55
	2	8,49	2,11	8,43	2,24	8,37	2,37	8,35	2,43	8,32	2,50	8,26	2,65
	6	9,43	2,28	9,36	2,41	9,29	2,55	9,25	2,62	9,22	2,69	9,14	2,85
	10	10,40	2,46	10,32	2,60	10,23	2,76	10,19	2,83	10,15	2,91	10,06	3,07
	12	10,89	2,56	10,80	2,71	10,71	2,87	10,67	2,94	10,62	3,02	10,53	3,19
	15	11,65	2,73	11,55	2,88	11,45	3,05	11,40	3,12	11,35	3,20	11,25	3,38

3D052910

Symbols:

TC: Total capacity (kW)
PI: Power input (kW)

Notes:

1. This table shows outdoor unit cooling capacity and power input.
2. ☐ Is specified point.
3. PI of indoor units is not included in the table.

5 Capacity tables

5 - 3 Capacity correction factor

Capacity correction factor by the length of refrigerant piping (Reference)

Rate of change in capacity by the main piping length

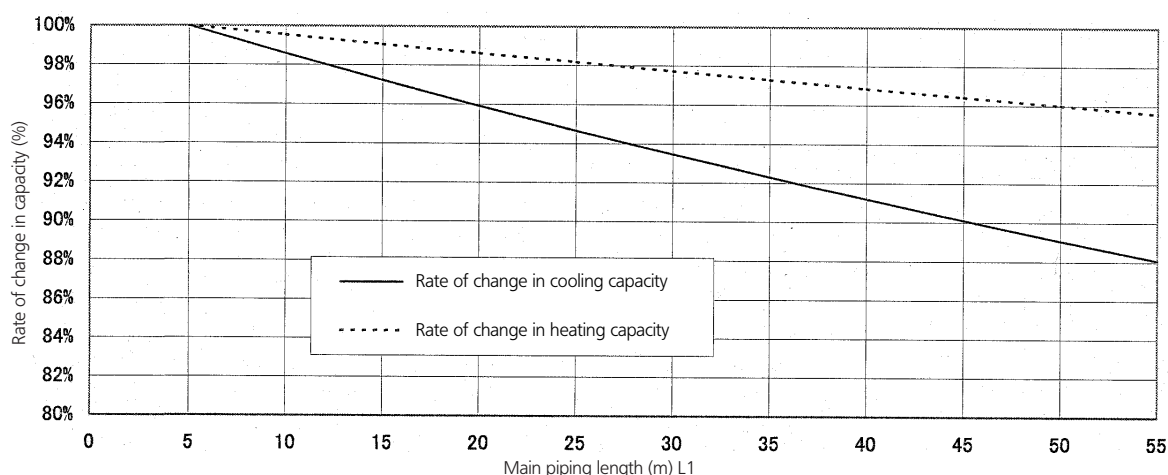
Rate of change in cooling capacity

Main piping length	5	10	15	20	25	30	35	40	45	50	55
Rate of change in cooling capacity	100.0%	98.6%	97.2%	95.9%	94.7%	93.5%	92.3%	91.2%	90.1%	89.1%	88.1%

Rate of change in heating capacity

Main piping length	5	10	15	20	25	30	35	40	45	50	55
Rate of change in heating capacity	100.0%	99.5%	99.1%	98.6%	98.2%	97.7%	97.3%	96.9%	96.4%	96.0%	95.6%

Rate of change in capacity by the main piping length



In both cases, the outdoor unit is in inferior or superior position for the indoor unit, the rate of change in capacity is the same.

Rate of change in capacity by the branch piping length

(1) Refrigerant piping connection diameter

liquid ϕ 6.4
gas ϕ 15.9

Piping length	Rate of change in capacity	
	Cooling	Heating
3	100.0%	100.0%
5	99.6%	99.9%
10	98.7%	99.6%
15	97.9%	99.3%

(2) Refrigerant piping connection diameter

liquid ϕ 6.4
gas ϕ 12.7

Piping length	Rate of change in capacity	
	Cooling	Heating
3	100.0%	100.0%
5	99.1%	99.5%
10	96.9%	98.2%
15	94.8%	97.0%

(3) Refrigerant piping connection diameter

liquid ϕ 6.4
gas ϕ 9.5

Piping length	Rate of change in capacity	
	Cooling	Heating
3	100.0%	100.0%
5	98.0%	98.8%
10	93.4%	96.0%
15	89.3%	93.5%

Piping size for field connection (mm)

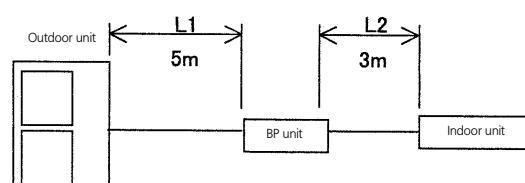
		RA		SA	
		liquid	gas	liquid	gas
(KW)	25	ϕ 6.4	ϕ 9.5	ϕ 6.4	ϕ 9.5
	35				
	50		ϕ 12.7		ϕ 15.9
	60				
	71		ϕ 15.9	ϕ 9.5	

Notes

- These figures illustrate the rate of change in capacity 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.

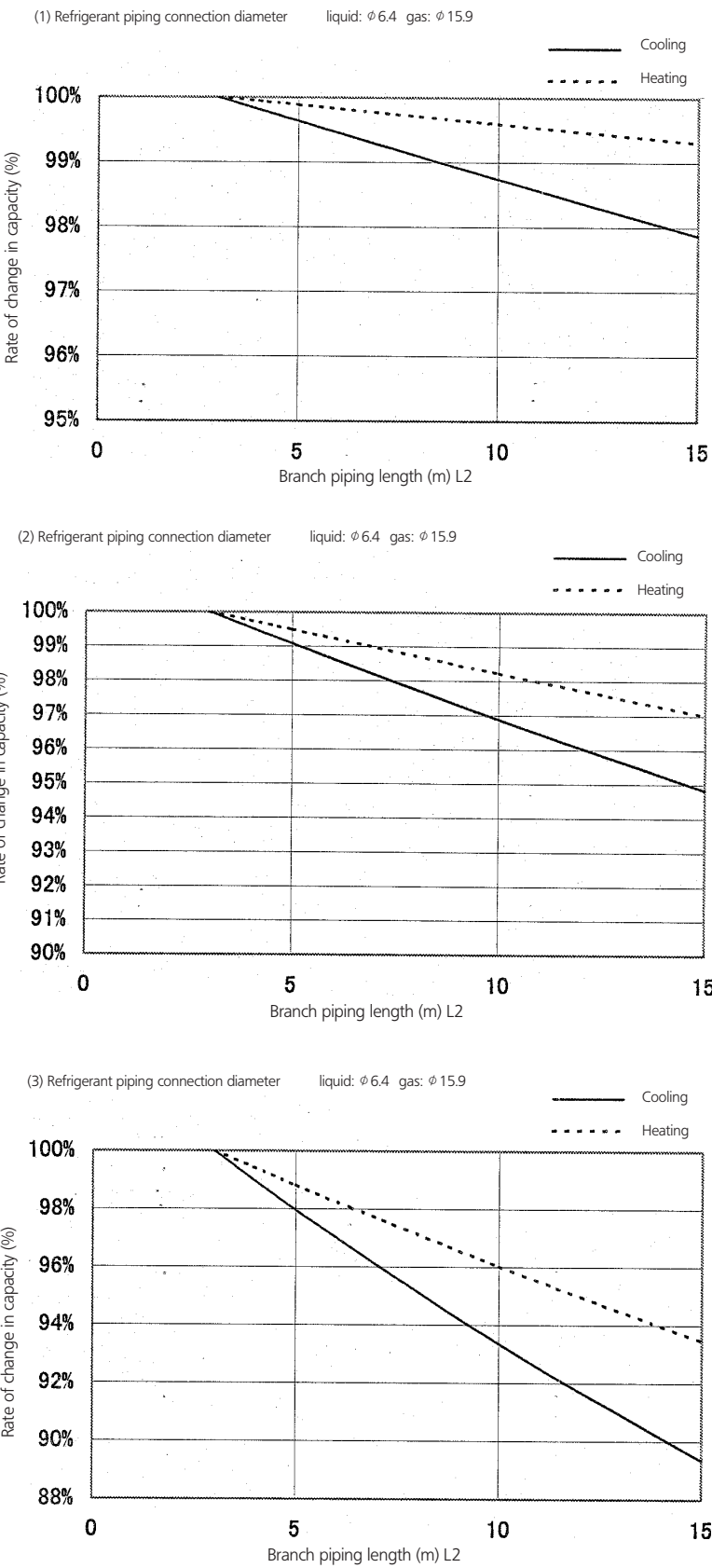
System layout of piping

Piping length: L1 = 5m L2 = 3m



5 Capacity tables

5 - 3 Capacity correction factor



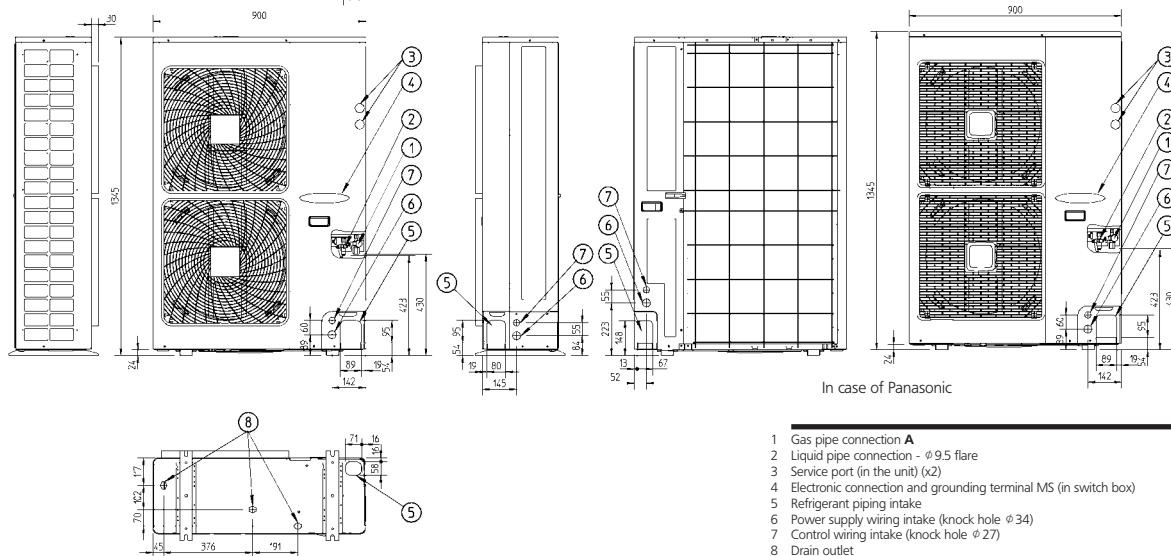
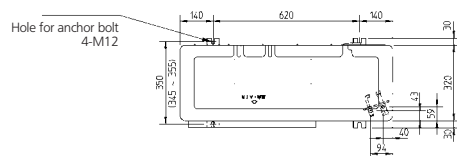
Method of calculating cooling / heating capacity:
Total capacity from capacity tables x (Rate of change in capacity by main piping length x rate of change in capacity by branch piping length).

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

RMXS-EV

Model	A
RMXS112E/V3B	Ø 19.1 Brazing
RMXS140E/V3B	Ø 19.1 Brazing
RMXS160E/V3B	Ø 19.1 Brazing
RXYSO4P7V3B	Ø 15.9 flare
RXYSO5P7V3B	Ø 15.9 flare
RXYSO6P7V3B	Ø 19.1 Brazing
U-4ML4DPQ	Ø 15.9 flare
U-5ML4DPQ	Ø 15.9 flare
U-6ML4DPQ	Ø 19.1 Brazing

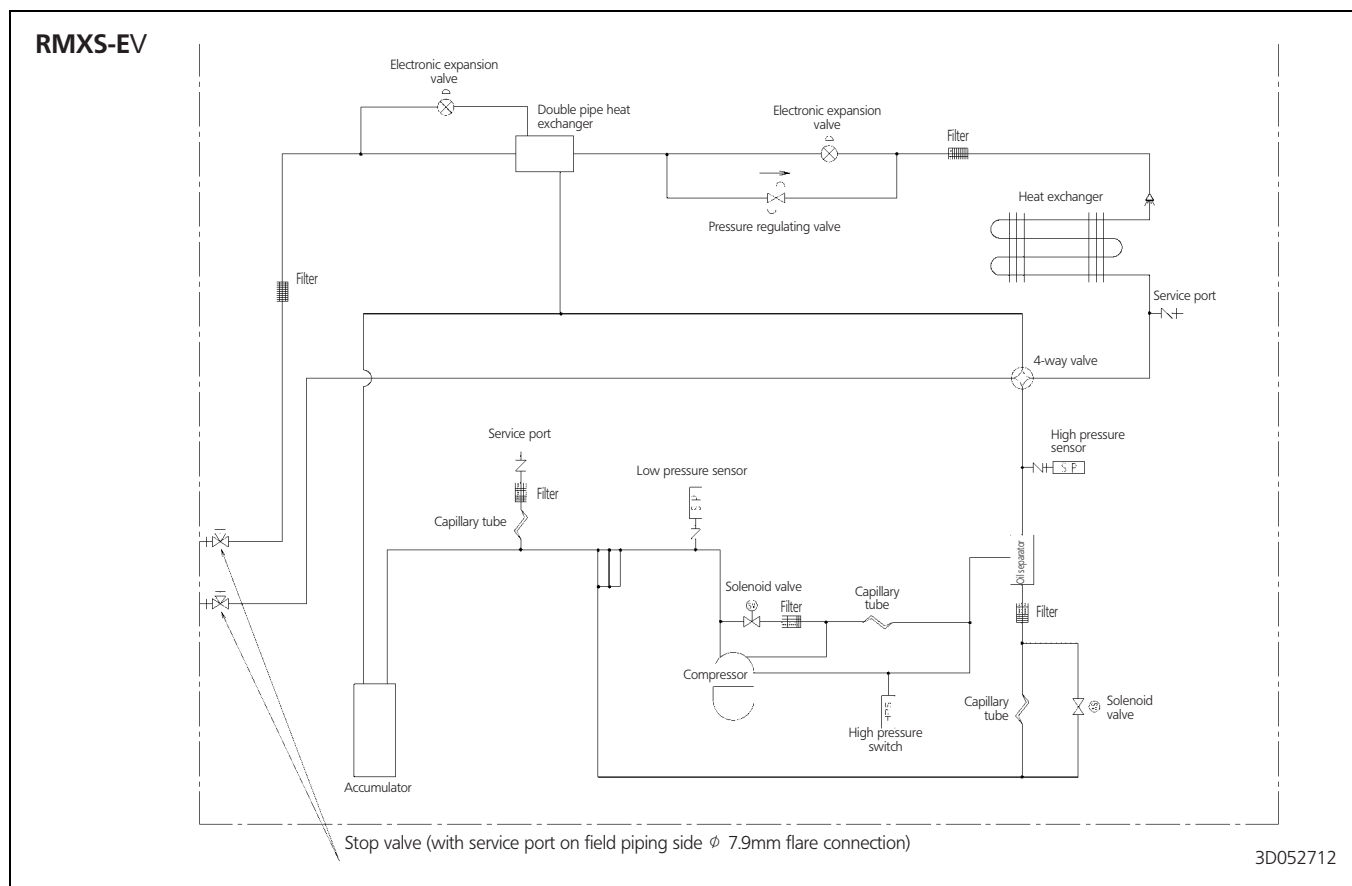


In case of Panasonic

- 1 Gas pipe connection **A**
- 2 Liquid pipe connection - $\varnothing 9.5$ flare
- 3 Service port (in the unit) ($\times 2$)
- 4 Electronic connection and grounding terminal MS (in switch box)
- 5 Refrigerant piping intake
- 6 Power supply wiring intake (knock hole $\varnothing 34$)
- 7 Control wiring intake (knock hole $\varnothing 27$)
- 8 Drain outlet

3TW27604-1

7 Piping diagram



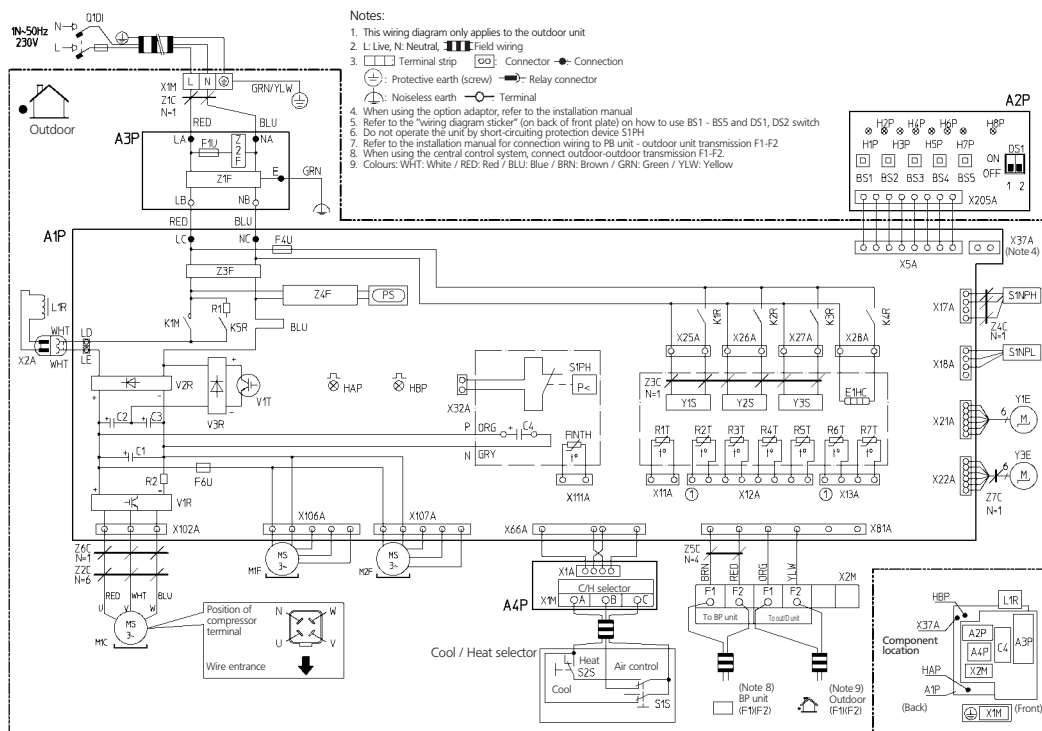
8 Wiring diagram

8 - 1 Wiring diagram

8

RMXS-EV

- Cool / Heat selector
S15 : Selector switch (Fan/Cool - Heat)
S25 : Selector switch (Cool - Heat)
Connector of option adaptor
X31A : Connector
(Note 4)
A1P : Printed circuit board (Main)
A2P : Printed circuit board (INV.)
A3P : Printed circuit board (Noise filter)
A4P : Printed circuit board (C/H selector)
B51-B55 : Push button switch
(Mode, set, return, test, reset)
C1-C4 : Capacitor
DS1 : Dip switch
E1HC : Crankcase heater
F1U/F4U : Fuse (T 6.3A/250V)
F6U : Fuse (T 5.0A/250V)
FINTH : Thermistor (fin)
H1P-HBP : Light emitting diode (service monitor orange)
[H2P] : Prepare test — Flickering
HAP : Light emitting diode (service monitor green)
[A1P] : INV. pilot lamp (service monitor green)
HBP : Magnetic contactor (M1C)
K1M : Magnetic relay (K1M)
K1R : Magnetic relay (Y1S)
K2R : Magnetic relay (Y2S)
K4R : Magnetic relay (Y3S)
K5R : Magnetic relay (E1HC)
L1R : Reactor
M1C : Motor (compressor)
M1F : Motor (fan) (upper)
M2F : Motor (fan) (lower)
PS : Switching power supply
Q1D1 : Field earth leak detector (30mA)
R1 : Resistor
R2 : Thermistor (Air)
R3 : Thermistor (Discharge)
R3T : Thermistor (Suction 1)
R4T : Thermistor (Heat exchanger)
R5T : Thermistor (Suction 2)
R6T : Thermistor (subcooling HEX)
R7T : Thermistor (Liquid pipe)
S1NPH : Pressure sensor (High)
S1NPL : Pressure sensor (Low)
S1PH : Pressure switch (High)
V1R : Power module
V2R/V3R : Diode module
V1T : IGBT
X1M : Terminal strip (Power supply)
X2M : Terminal strip (Control)
Y1E : Electronic expansion valve (Main)
Y3E : Electronic expansion valve (Subcool)
Y1S : Solenoid valve (4 way valve)
Y2S : Solenoid valve (Hot gas)
Y3S : Solenoid valve (UL circuit)
Z1C-Z7C : Noise filter (ferrite core)
Z1F-Z4F : Noise filter

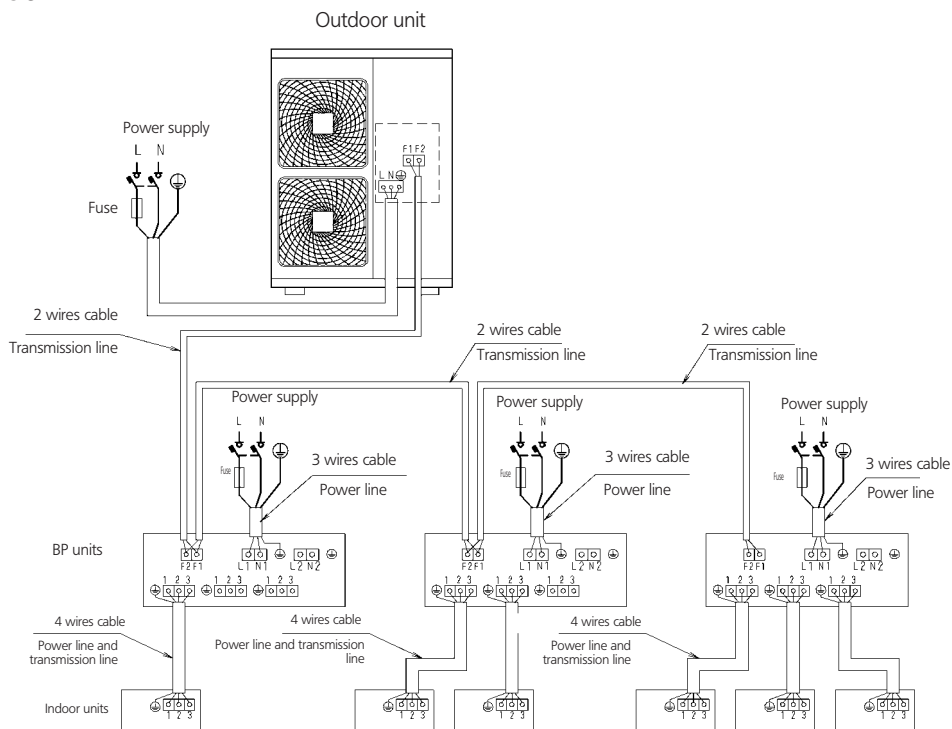


2TW27606-1A

8 Wiring diagram

8 - 2 External connection diagram

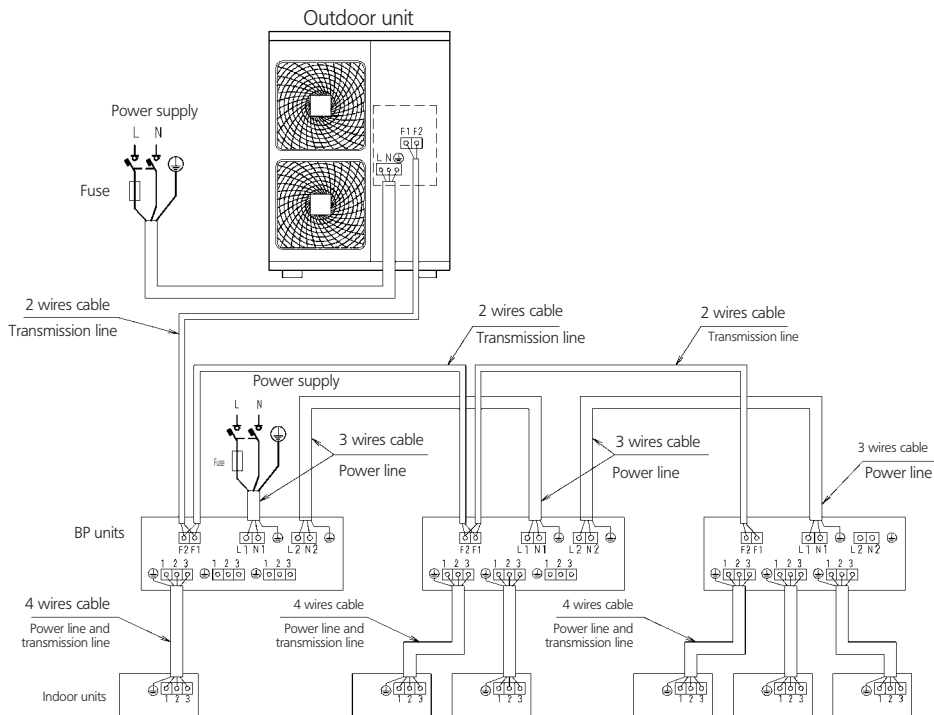
RMXS112-160EV



When the power source is supplied to each BP unit individually.

NOTES

- 1 All wiring, components and materials to be produced on the site must comply with the applicable local and national codes.
- 2 Use copper conductors only.
- 3 See wiring diagrams for details.
- 4 Install circuit breakers for safety.
- 5 All field wiring and components must be installed by a licensed electrician.
- 6 Units shall be grounded in compliance with applicable local 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.



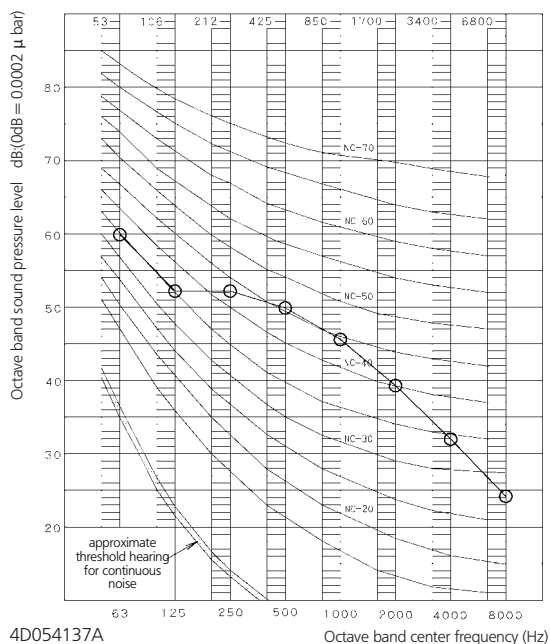
When the power source is connected in series between the units.

9 Sound data

9 - 1 Sound pressure spectrum

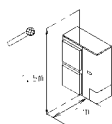
9

RMXS112EV- Cooling



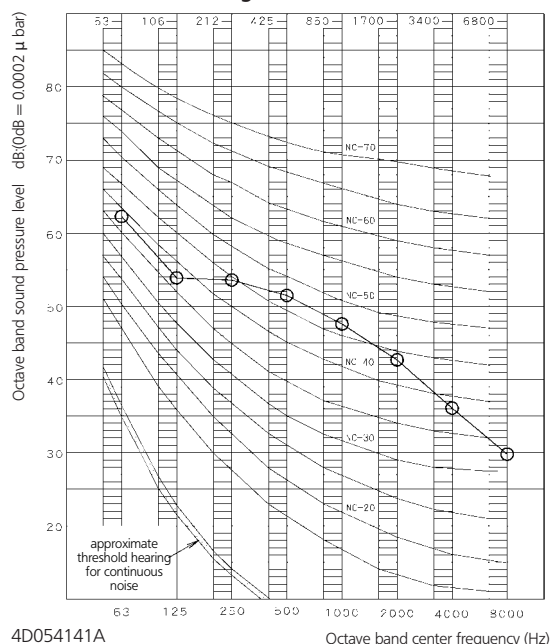
NOTES

- 1 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.
- 2 Measuring place: anechoic room



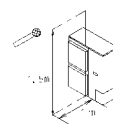
Location of microphone

RMXS112EV- Heating



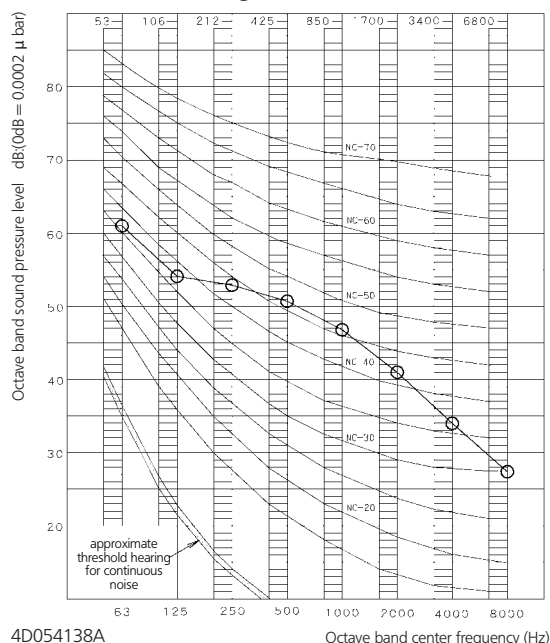
NOTES

- 1 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.
- 2 Measuring place: anechoic room



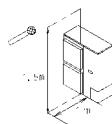
Location of microphone

RMXS140EV- Cooling



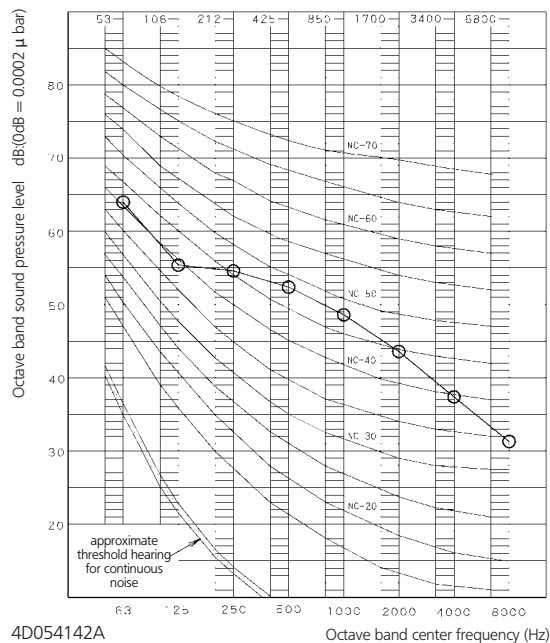
NOTES

- 1 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.
- 2 Measuring place: anechoic room



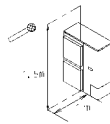
Location of microphone

RMXS140EV- Heating



NOTES

- 1 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.
- 2 Measuring place: anechoic room

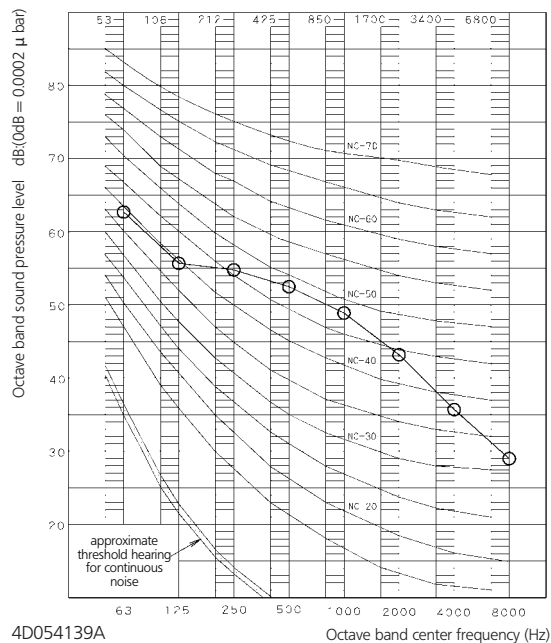


Location of microphone

9 Sound data

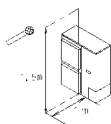
9 - 1 Sound pressure spectrum

RMXS160EV- Cooling



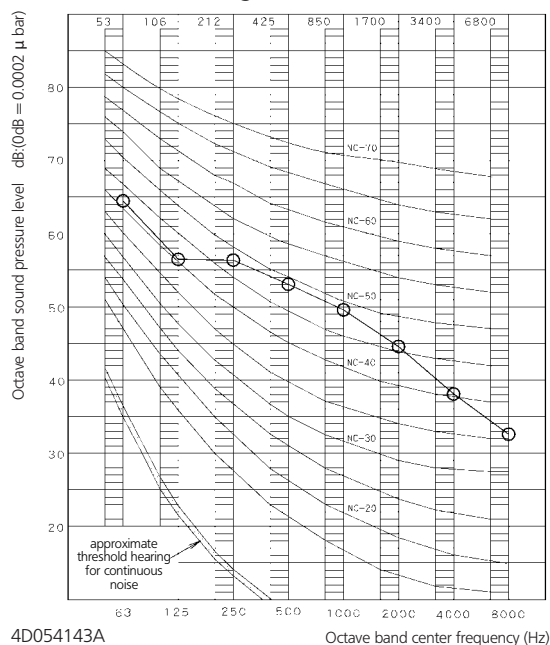
NOTES

- 1 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.
- 2 Measuring place: anechoic room



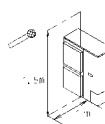
Location of microphone

RMXS160EV- Heating



NOTES

- 1 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.
- 2 Measuring place: anechoic room



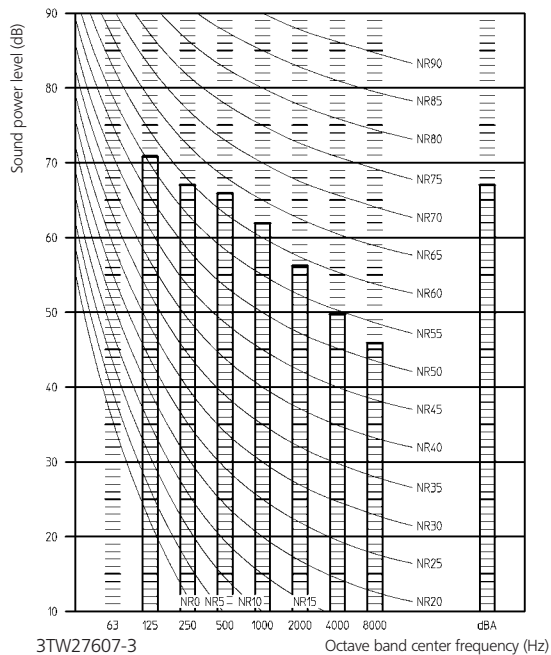
Location of microphone

9 Sound data

9 - 2 Sound power spectrum

9

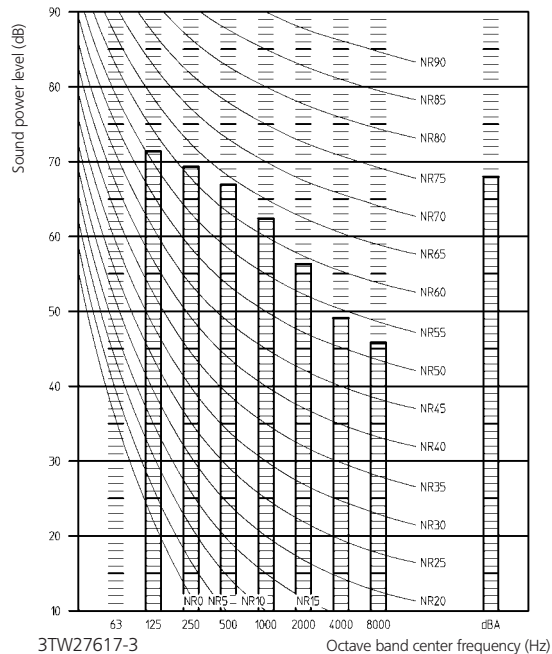
RMXS112EV



NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 3 Measured according to ISO 3744

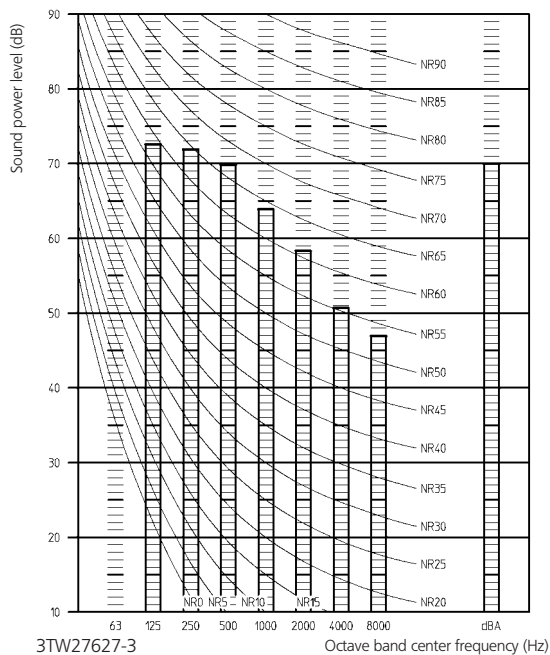
RMXS140EV



NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 3 Measured according to ISO 3744

RMXS160EV



NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$
- 3 Measured according to ISO 3744

10 Installation

10 - 1 Installation method

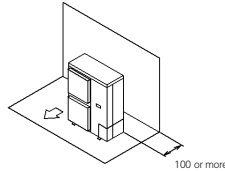
Required installation space

The unit of the values is mm.

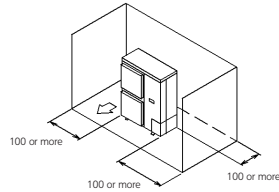
1. Where there is an obstacle on the suction side

(a) No obstacle above

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

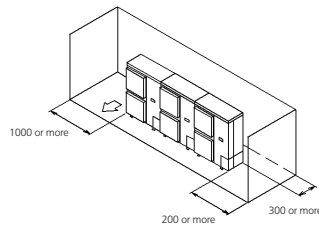


- Obstacle on both sides.



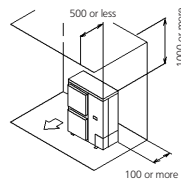
- 2 Series installation (2 or more).

- Obstacle on both sides

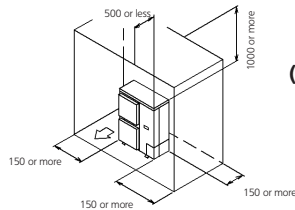


(b) Obstacle above, too.

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

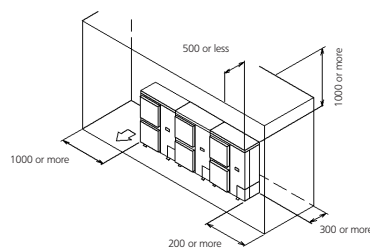


- Obstacle on the suction side and both sides.



- 2 Series installation (2 or more).

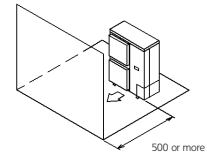
- Obstacle on the suction side and both sides.



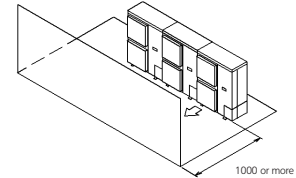
(2) Where there is an obstacle on the discharge side

(a) No obstacle above

- (1) Stand-alone installation

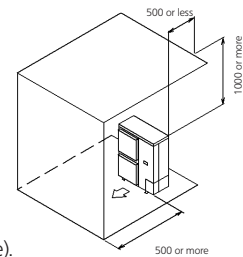


- (2) Series installation (2 or more)

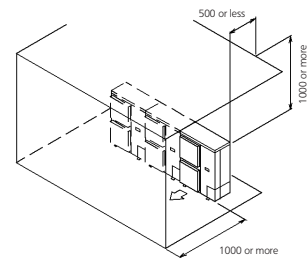


(b) Obstacle above, too.

- 1 Stand-alone installation



- 2 Series installation (2 or more).



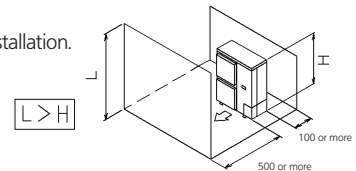
3. Where there are obstacles on both suction and discharge sides:

Pattern 1

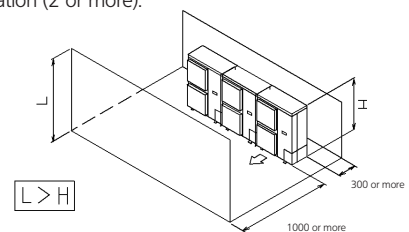
Where the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

- 1 Stand-alone installation.



- 2 Series installation (2 or more).



10 Installation

10 - 1 Installation method

10

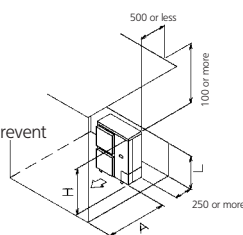
(b) Obstacle above, too

1 Stand-alone installation.

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	750
	$1/2 H < L \leq H$	1000
$H < L$	Set the stand as : $L \leq H$	

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



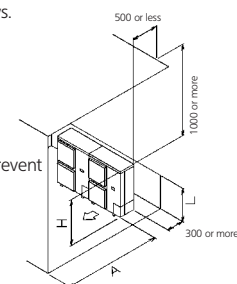
2 Series installation (2 or more).

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	1000
	$1/2 H < L \leq H$	1250
$H < L$	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

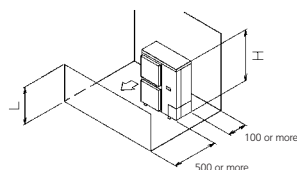
Where the obstacle on the discharge side is lower than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

1 Stand-alone installation.

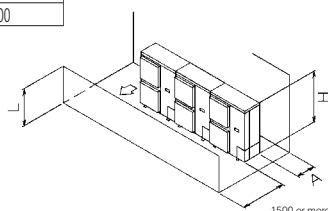
$L \leq H$

2 Series installation (2 or more).



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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	250
	$1/2 H < L \leq H$	300



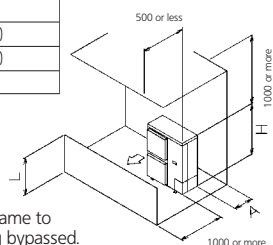
(b) Obstacle above, too.

1 Stand-alone installation.

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	100
	$1/2 H < L \leq H$	200
$H < L$	Set the stand as : $L \leq H$	

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



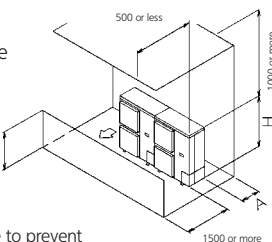
1 Series installation.

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	250
	$1/2 H < L \leq H$	300
$H < L$	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.

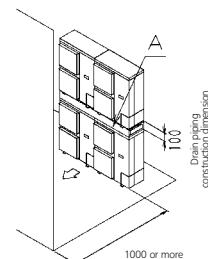


4. Double-decker installation

(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.

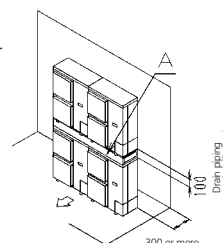
Do not stack more than two unit.



(b) Obstacle on the suction side only.

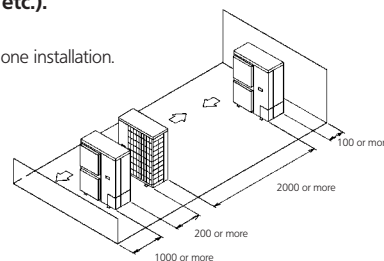
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than one unit.

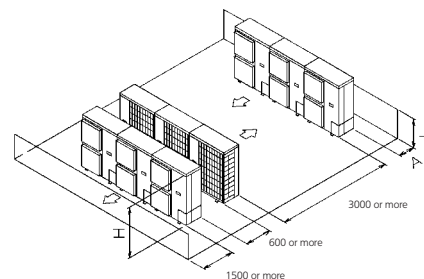


5. Multiple rows of series installation (on the rooftop, etc.).

(a) One row of stand-alone installation.



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

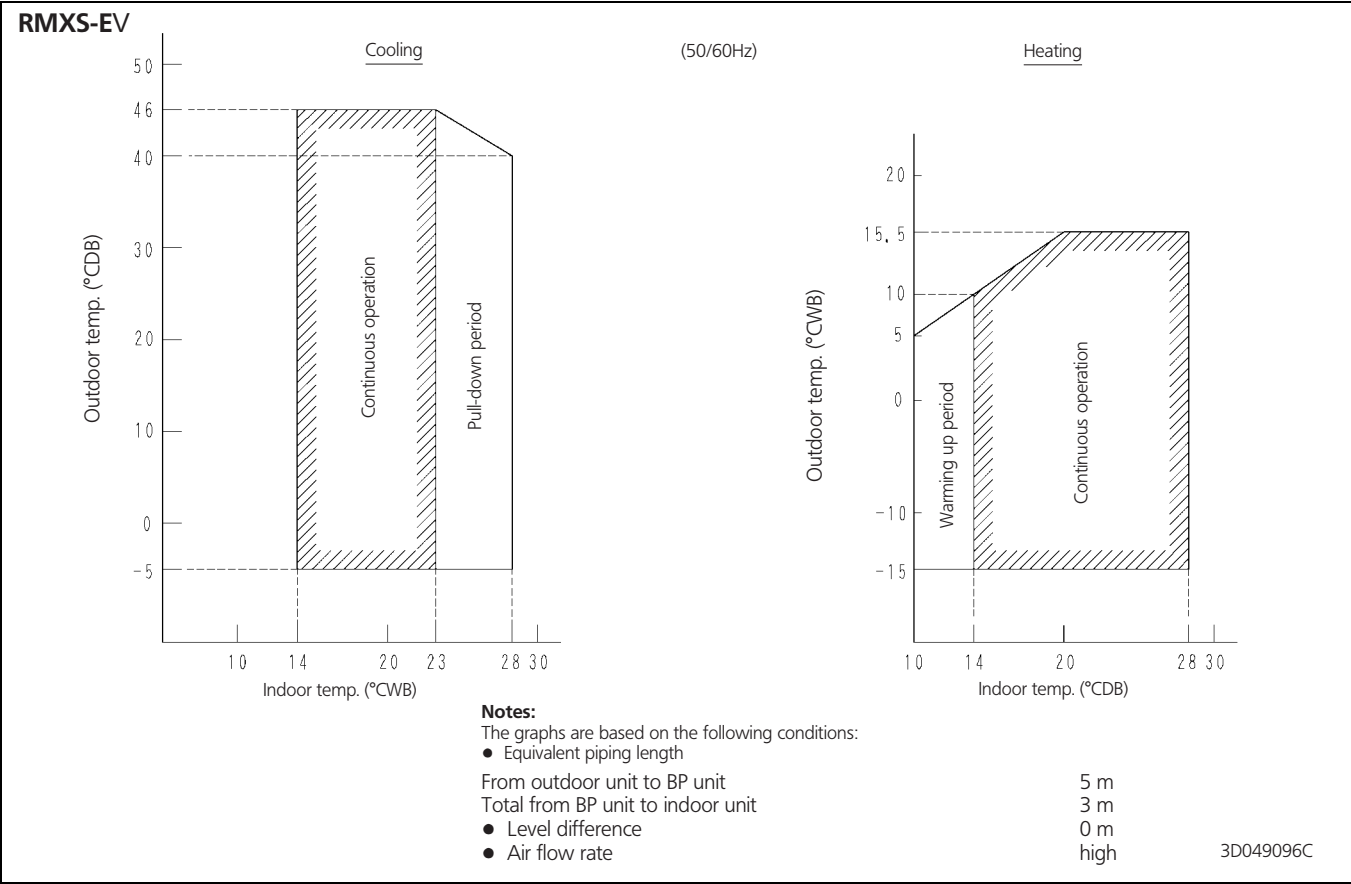


The relations between H, A and L are as follows.

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	250
	$1/2 H < L \leq H$	300
$H < L$	Cannot be installed	

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11 Operation range



Split - Sky Air

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