

technical data

VRV Heat Pump
RXYSQ4-6PA7V1B

air conditioning systems

VRV[®] III-S

R-410A

technical data

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VRV[®] III-S

R-410A

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RXYSQ4-6PA7V1B

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Capacity	Cooling	kW		11.2	14.0	15.5
	Heating	kW		12.5	16.0	18.0
COP	Cooling			3.99	3.99	3.42
	Heating			4.56	4.15	3.94
Capacity range		HP		4	5	6
PED category				Category I		
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		120	120	120
	Packed Unit	kg		130	130	130
Packing	Material			Carton, wood + EPS		
	Weight	kg		8	8	8
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		
		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		
		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
Cooling	Standard	Min	°CDB	-5	-5	-5
Operation Range	Cooling	Max	°CDB	46	46	46
		Min	°CWB	-20	-20	-20
	Heating	Max	°CWB	15.5	15.5	15.5
Sound Level	Cooling	Sound Power	dBA	66	67	69
		Sound Pressure	dBA	50	51	53
	Heating	Sound Pressure	dBA	52	53	55

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				RXYSQ4PA7V1B		RXYSQ5PA7V1B		RXYSQ6PA7V1B	
Refrigerant	Name			R-410A					
	Charge		kg	4.0		4.0		4.0	
	Control			Expansion valve (electronic type)					
	N× 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	9.52		9.52		9.52	
	Gas	Type		Flare connection		Flare connection		Braze 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 manual					
	Quantity			1		1		1	
	Standard Accessories			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, outdoor temperature : 35°CDB, equivalent refrigerant piping : 5m, level difference : 0m.					
				8 meter 1					
				Sound pressure					
				Sound values					
				Sound values are measured in a semi-anechoic room.					

1 Specifications

1-2 ELECTRICAL SPECIFICATIONS				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Power Supply	Name			V1		
	Phase			1N~		
	Frequency	Hz		50	50	50
	Voltage	V		220-240		
Current	Nominal running current (RLA)	Cooling	A	15.9	20.2	22.2
	Starting current (MSC)		A	15.9	20.2	22.2
	Maximum Running Current		A	27.0	27.0	27.0
	Minimum circuit amps (MCA)		A	27.0	27.0	27.0
	Maximum fuse amps (MFA)		A	32.0	32.0	32.0
	Full load amps (FLA)		A	0.3+0.3 (Fan motor)		
Voltage range	Minimum	V		198	198	198
	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		
Field earth leakage breaker			mA	300	300	300
Notes				RLA is based on following conditions : indoor temperature : 27°CDB/19°CWB , outdoor temperature : 35°CDB		
				Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits		
				Maximum allowable voltage range variation between phases is 2%		
				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		
				Select wire size based on MCA		

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		KKPJ5F180	

NOTES

- 1 All options are kits.

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3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ4PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	14.56	10	9.83	1.29	11.7	1.58	13.6	1.88	14.6	2.04	15.5	2.19	16.6	2.27	16.9	2.17
		12	9.83	1.32	11.7	1.61	13.6	1.92	14.6	2.07	15.5	2.23	16.4	2.26	16.7	2.22
		14	9.83	1.34	11.7	1.64	13.6	1.96	14.6	2.11	15.5	2.27	16.1	2.33	16.5	2.34
		16	9.83	1.37	11.7	1.68	13.6	1.99	14.6	2.18	15.5	2.41	15.9	2.45	16.3	2.47
		18	9.83	1.40	11.7	1.71	13.6	2.12	14.6	2.35	15.4	2.55	15.7	2.57	16.1	2.59
		20	9.83	1.42	11.7	1.82	13.6	2.28	14.6	2.53	15.2	2.68	15.5	2.70	15.9	2.72
		21	9.83	1.46	11.7	1.89	13.6	2.37	14.6	2.63	15.0	2.74	15.4	2.76	15.8	2.78
		23	9.83	1.57	11.7	2.02	13.6	2.54	14.6	2.82	14.8	2.87	15.2	2.89	15.5	2.91
		25	9.83	1.68	11.7	2.17	13.6	2.72	14.4	2.98	14.6	2.99	15.0	3.02	15.3	3.04
		27	9.83	1.79	11.7	2.32	13.6	2.91	14.2	3.10	14.4	3.12	14.8	3.14	15.1	3.17
		29	9.83	1.91	11.7	2.48	13.6	3.12	14.0	3.23	14.2	3.24	14.5	3.27	14.9	3.30
		31	9.83	2.04	11.7	2.64	13.6	3.33	13.8	3.35	14.0	3.37	14.3	3.40	14.7	3.43
		33	9.83	2.17	11.7	2.82	13.4	3.46	13.6	3.48	13.8	3.50	14.1	3.53	14.5	3.56
		35	9.83	2.31	11.7	3.01	13.2	3.59	13.4	3.61	13.6	3.62	13.9	3.65	14.3	3.69
		37	9.83	2.46	11.7	3.21	13.0	3.72	13.2	3.73	13.3	3.75	13.7	3.78	14.1	3.82
		39	9.83	2.62	11.7	3.42	12.8	3.84	13.0	3.86	13.1	3.88	13.5	3.91	13.8	3.95
120	13.44	10	9.07	1.18	10.8	1.44	12.6	1.72	13.4	1.86	14.3	2.00	16.1	2.28	16.7	2.25
		12	9.07	1.20	10.8	1.47	12.6	1.75	13.4	1.89	14.3	2.03	16.1	2.32	16.4	2.23
		14	9.07	1.23	10.8	1.50	12.6	1.78	13.4	1.93	14.3	2.07	15.9	2.32	16.2	2.33
		16	9.07	1.25	10.8	1.53	12.6	1.82	13.4	1.96	14.3	2.13	15.7	2.44	16.0	2.45
		18	9.07	1.27	10.8	1.56	12.6	1.88	13.4	2.08	14.3	2.29	15.5	2.56	15.8	2.58
		20	9.07	1.30	10.8	1.62	12.6	2.02	13.4	2.24	14.3	2.47	15.3	2.69	15.6	2.70
		21	9.07	1.31	10.8	1.68	12.6	2.09	13.4	2.32	14.3	2.56	15.2	2.75	15.5	2.77
		23	9.07	1.40	10.8	1.80	12.6	2.25	13.4	2.49	14.3	2.75	14.9	2.87	15.3	2.89
		25	9.07	1.50	10.8	1.92	12.6	2.41	13.4	2.67	14.3	2.94	14.7	3.00	15.1	3.02
		27	9.07	1.60	10.8	2.06	12.6	2.58	13.4	2.86	14.2	3.10	14.5	3.12	14.8	3.15
		29	9.07	1.70	10.8	2.20	12.6	2.75	13.4	3.06	14.0	3.22	14.3	3.25	14.6	3.28
		31	9.07	1.82	10.8	2.35	12.6	2.94	13.4	3.27	13.8	3.35	14.1	3.38	14.4	3.40
		33	9.07	1.93	10.8	2.50	12.6	3.14	13.4	3.46	13.5	3.48	13.9	3.50	14.2	3.53
		35	9.07	2.06	10.8	2.67	12.6	3.35	13.2	3.59	13.3	3.60	13.7	3.63	14.0	3.66
		37	9.07	2.19	10.8	2.84	12.6	3.58	13.0	3.71	13.1	3.73	13.4	3.76	13.8	3.79
		39	9.07	2.33	10.8	3.03	12.6	3.82	12.7	3.84	12.9	3.86	13.2	3.89	13.6	3.92
110	12.32	10	8.31	1.07	9.92	1.31	11.5	1.55	12.3	1.68	13.1	1.81	14.7	2.06	16.3	2.32
		12	8.31	1.09	9.92	1.33	11.5	1.58	12.3	1.71	13.1	1.84	14.7	2.10	16.2	2.32
		14	8.31	1.11	9.92	1.36	11.5	1.61	12.3	1.74	13.1	1.87	14.7	2.14	15.9	2.32
		16	8.31	1.13	9.92	1.38	11.5	1.64	12.3	1.78	13.1	1.91	14.7	2.22	15.7	2.44
		18	8.31	1.16	9.92	1.41	11.5	1.68	12.3	1.83	13.1	2.01	14.7	2.40	15.5	2.56
		20	8.31	1.18	9.92	1.44	11.5	1.78	12.3	1.96	13.1	2.16	14.7	2.58	15.3	2.69
		21	8.31	1.19	9.92	1.48	11.5	1.84	12.3	2.03	13.1	2.24	14.7	2.67	15.2	2.75
		23	8.31	1.24	9.92	1.59	11.5	1.97	12.3	2.18	13.1	2.40	14.7	2.86	15.0	2.88
		25	8.31	1.33	9.92	1.70	11.5	2.11	12.3	2.34	13.1	2.57	14.5	2.98	14.8	3.00
		27	8.31	1.42	9.92	1.81	11.5	2.26	12.3	2.50	13.1	2.75	14.3	3.11	14.6	3.13
		29	8.31	1.51	9.92	1.94	11.5	2.41	12.3	2.67	13.1	2.94	14.0	3.23	14.3	3.25
		31	8.31	1.61	9.92	2.06	11.5	2.58	12.3	2.85	13.1	3.15	13.8	3.36	14.1	3.38
		33	8.31	1.71	9.92	2.20	11.5	2.75	12.3	3.05	13.1	3.36	13.6	3.48	13.9	3.51
		35	8.31	1.82	9.92	2.34	11.5	2.93	12.3	3.25	13.1	3.58	13.4	3.61	13.7	3.64
		37	8.31	1.94	9.92	2.50	11.5	3.13	12.3	3.47	12.9	3.71	13.2	3.74	13.5	3.77
		39	8.31	2.06	9.92	2.66	11.5	3.33	12.3	3.70	12.7	3.83	13.0	3.86	13.3	3.89
100	11.20	10	7.56	0.97	9.02	1.17	10.5	1.39	11.2	1.50	11.9	1.62	13.4	1.85	14.8	2.08
		12	7.56	0.99	9.02	1.20	10.5	1.42	11.2	1.53	11.9	1.65	13.4	1.88	14.8	2.12
		14	7.56	1.00	9.02	1.22	10.5	1.44	11.2	1.56	11.9	1.68	13.4	1.92	14.8	2.16
		16	7.56	1.02	9.02	1.24	10.5	1.47	11.2	1.59	11.9	1.71	13.4	1.96	14.8	2.25
		18	7.56	1.04	9.02	1.26	10.5	1.50	11.2	1.62	11.9	1.75	13.4	2.07	14.8	2.43
		20	7.56	1.06	9.02	1.29	10.5	1.55	11.2	1.70	11.9	1.87	13.4	2.22	14.8	2.61
		21	7.56	1.07	9.02	1.30	10.5	1.60	11.2	1.77	11.9	1.94	13.4	2.31	14.8	2.71
		23	7.56	1.10	9.02	1.39	10.5	1.72	11.2	1.89	11.9	2.08	13.4	2.47	14.7	2.86
		25	7.56	1.17	9.02	1.48	10.5	1.84	11.2	2.02	11.9	2.22	13.4	2.65	14.5	2.98
		27	7.56	1.25	9.02	1.58	10.5	1.96	11.2	2.17	11.9	2.38	13.4	2.84	14.3	3.11
		29	7.56	1.33	9.02	1.69	10.5	2.09	11.2	2.31	11.9	2.54	13.4	3.04	14.1	3.23
		31	7.56	1.42	9.02	1.80	10.5	2.23	11.2	2.47	11.9	2.72	13.4	3.25	13.9	3.36
		33	7.56	1.51	9.02	1.92	10.5	2.38	11.2	2.64	11.9	2.90	13.4	3.46	13.6	3.48
		35	7.56	1.60	9.02	2.04	10.5	2.54	11.2	2.81	11.9	3.09	13.2	3.59	13.4	3.61
		37	7.56	1.70	9.02	2.17	10.5	2.71	11.2	3.00	11.9	3.30	12.9	3.71	13.2	3.74
		39	7.56	1.80	9.02	2.31	10.5	2.88	11.2	3.19	11.9	3.52	12.7	3.84	13.0	3.87

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NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ4PAV1			TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)													
Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
90	10.08	10	6.80	0.87	8.11	1.05	9.42	1.23	10.1	1.33	10.7	1.43	12.0	1.64	13.4	1.84
		12	6.80	0.88	8.11	1.06	9.42	1.26	10.1	1.36	10.7	1.46	12.0	1.67	13.4	1.88
		14	6.80	0.90	8.11	1.08	9.42	1.28	10.1	1.38	10.7	1.49	12.0	1.70	13.4	1.91
		16	6.80	0.91	8.11	1.10	9.42	1.30	10.1	1.41	10.7	1.51	12.0	1.73	13.4	1.95
		18	6.80	0.93	8.11	1.12	9.42	1.33	10.1	1.44	10.7	1.54	12.0	1.77	13.4	2.06
		20	6.80	0.95	8.11	1.15	9.42	1.36	10.1	1.47	10.7	1.60	12.0	1.90	13.4	2.22
		21	6.80	0.95	8.11	1.16	9.42	1.38	10.1	1.52	10.7	1.66	12.0	1.97	13.4	2.30
		23	6.80	0.97	8.11	1.20	9.42	1.48	10.1	1.62	10.7	1.78	12.0	2.11	13.4	2.47
		25	6.80	1.02	8.11	1.29	9.42	1.58	10.1	1.74	10.7	1.90	12.0	2.26	13.4	2.64
		27	6.80	1.09	8.11	1.37	9.42	1.69	10.1	1.86	10.7	2.03	12.0	2.42	13.4	2.83
		29	6.80	1.16	8.11	1.46	9.42	1.80	10.1	1.98	10.7	2.17	12.0	2.58	13.4	3.03
		31	6.80	1.23	8.11	1.56	9.42	1.92	10.1	2.11	10.7	2.32	12.0	2.76	13.4	3.24
		33	6.80	1.31	8.11	1.66	9.42	2.04	10.1	2.25	10.7	2.47	12.0	2.94	13.4	3.46
		35	6.80	1.39	8.11	1.76	9.42	2.18	10.1	2.40	10.7	2.64	12.0	3.14	13.2	3.59
		37	6.80	1.48	8.11	1.87	9.42	2.32	10.1	2.56	10.7	2.81	12.0	3.35	12.9	3.71
		39	6.80	1.57	8.11	1.99	9.42	2.47	10.1	2.72	10.7	2.99	12.0	3.57	12.7	3.84
80	8.96	10	6.05	0.77	7.21	0.92	8.38	1.08	8.96	1.17	9.54	1.25	10.7	1.43	11.9	1.61
		12	6.05	0.78	7.21	0.94	8.38	1.10	8.96	1.19	9.54	1.27	10.7	1.45	11.9	1.64
		14	6.05	0.79	7.21	0.95	8.38	1.12	8.96	1.21	9.54	1.30	10.7	1.48	11.9	1.67
		16	6.05	0.81	7.21	0.97	8.38	1.14	8.96	1.23	9.54	1.32	10.7	1.51	11.9	1.70
		18	6.05	0.82	7.21	0.99	8.38	1.16	8.96	1.26	9.54	1.35	10.7	1.54	11.9	1.74
		20	6.05	0.84	7.21	1.01	8.38	1.19	8.96	1.28	9.54	1.38	10.7	1.60	11.9	1.86
		21	6.05	0.84	7.21	1.02	8.38	1.20	8.96	1.29	9.54	1.40	10.7	1.65	11.9	1.92
		23	6.05	0.86	7.21	1.04	8.38	1.26	8.96	1.38	9.54	1.50	10.7	1.77	11.9	2.06
		25	6.05	0.89	7.21	1.10	8.38	1.34	8.96	1.47	9.54	1.61	10.7	1.90	11.9	2.21
		27	6.05	0.94	7.21	1.18	8.38	1.43	8.96	1.57	9.54	1.72	10.7	2.03	11.9	2.36
		29	6.05	1.00	7.21	1.25	8.38	1.53	8.96	1.68	9.54	1.83	10.7	2.16	11.9	2.53
		31	6.05	1.07	7.21	1.33	8.38	1.63	8.96	1.79	9.54	1.95	10.7	2.31	11.9	2.70
		33	6.05	1.13	7.21	1.41	8.38	1.73	8.96	1.90	9.54	2.08	10.7	2.46	11.9	2.88
		35	6.05	1.20	7.21	1.50	8.38	1.84	8.96	2.02	9.54	2.22	10.7	2.63	11.9	3.07
		37	6.05	1.27	7.21	1.60	8.38	1.96	8.96	2.15	9.54	2.36	10.7	2.80	11.9	3.28
		39	6.05	1.35	7.21	1.69	8.38	2.08	8.96	2.29	9.54	2.51	10.7	2.98	11.9	3.49
70	7.84	10	5.29	0.68	6.31	0.80	7.33	0.94	7.84	1.01	8.35	1.08	9.37	1.23	10.4	1.38
		12	5.29	0.69	6.31	0.82	7.33	0.95	7.84	1.02	8.35	1.10	9.37	1.25	10.4	1.40
		14	5.29	0.70	6.31	0.83	7.33	0.97	7.84	1.04	8.35	1.12	9.37	1.27	10.4	1.43
		16	5.29	0.71	6.31	0.84	7.33	0.99	7.84	1.06	8.35	1.14	9.37	1.30	10.4	1.46
		18	5.29	0.72	6.31	0.86	7.33	1.01	7.84	1.08	8.35	1.16	9.37	1.32	10.4	1.49
		20	5.29	0.73	6.31	0.87	7.33	1.02	7.84	1.10	8.35	1.18	9.37	1.35	10.4	1.53
		21	5.29	0.74	6.31	0.88	7.33	1.03	7.84	1.11	8.35	1.19	9.37	1.37	10.4	1.58
		23	5.29	0.75	6.31	0.90	7.33	1.06	7.84	1.15	8.35	1.25	9.37	1.47	10.4	1.70
		25	5.29	0.77	6.31	0.93	7.33	1.13	7.84	1.23	8.35	1.34	9.37	1.57	10.4	1.81
		27	5.29	0.81	6.31	0.99	7.33	1.20	7.84	1.31	8.35	1.43	9.37	1.67	10.4	1.94
		29	5.29	0.86	6.31	1.06	7.33	1.28	7.84	1.40	8.35	1.52	9.37	1.78	10.4	2.07
		31	5.29	0.91	6.31	1.12	7.33	1.36	7.84	1.49	8.35	1.62	9.37	1.90	10.4	2.21
		33	5.29	0.96	6.31	1.19	7.33	1.44	7.84	1.58	8.35	1.72	9.37	2.03	10.4	2.36
		35	5.29	1.02	6.31	1.26	7.33	1.54	7.84	1.68	8.35	1.83	9.37	2.16	10.4	2.51
		37	5.29	1.08	6.31	1.34	7.33	1.63	7.84	1.79	8.35	1.95	9.37	2.30	10.4	2.67
		39	5.29	1.14	6.31	1.42	7.33	1.73	7.84	1.90	8.35	2.07	9.37	2.44	10.4	2.85
60	6.72	10	4.54	0.59	5.41	0.69	6.28	0.80	6.72	0.86	7.16	0.91	8.03	1.03	8.90	1.16
		12	4.54	0.60	5.41	0.70	6.28	0.81	6.72	0.87	7.16	0.93	8.03	1.05	8.90	1.18
		14	4.54	0.61	5.41	0.71	6.28	0.83	6.72	0.89	7.16	0.95	8.03	1.07	8.90	1.20
		16	4.54	0.61	5.41	0.72	6.28	0.84	6.72	0.90	7.16	0.96	8.03	1.09	8.90	1.22
		18	4.54	0.62	5.41	0.74	6.28	0.86	6.72	0.92	7.16	0.98	8.03	1.11	8.90	1.25
		20	4.54	0.63	5.41	0.75	6.28	0.87	6.72	0.93	7.16	1.00	8.03	1.13	8.90	1.27
		21	4.54	0.64	5.41	0.75	6.28	0.88	6.72	0.94	7.16	1.01	8.03	1.14	8.90	1.28
		23	4.54	0.65	5.41	0.77	6.28	0.89	6.72	0.96	7.16	1.03	8.03	1.19	8.90	1.37
		25	4.54	0.66	5.41	0.78	6.28	0.93	6.72	1.01	7.16	1.09	8.03	1.27	8.90	1.46
		27	4.54	0.68	5.41	0.83	6.28	0.99	6.72	1.07	7.16	1.16	8.03	1.35	8.90	1.56
		29	4.54	0.73	5.41	0.88	6.28	1.05	6.72	1.14	7.16	1.24	8.03	1.44	8.90	1.66
		31	4.54	0.77	5.41	0.93	6.28	1.12	6.72	1.21	7.16	1.32	8.03	1.54	8.90	1.77
		33	4.54	0.81	5.41	0.99	6.28	1.19	6.72	1.29	7.16	1.40	8.03	1.63	8.90	1.89
		35	4.54	0.86	5.41	1.05	6.28	1.26	6.72	1.37	7.16	1.49	8.03	1.74	8.90	2.01
		37	4.54	0.91	5.41	1.11	6.28	1.33	6.72	1.45	7.16	1.58	8.03	1.85	8.90	2.13
		39	4.54	0.96	5.41	1.17	6.28	1.41	6.72	1.54	7.16	1.68	8.03	1.96	8.90	2.27
50	5.60	10	3.78	0.51	4.51	0.59	5.24	0.67	5.60	0.71	5.96	0.76	6.69	0.85	7.42	0.95
		12	3.78	0.51	4.51	0.59	5.24	0.68	5.60	0.73	5.96	0.77	6.69	0.87	7.42	0.97
		14	3.78	0.52	4.51	0.60	5.24	0.69	5.60	0.74	5.96	0.78	6.69	0.88	7.42	0.98
		16	3.78	0.53	4.51	0.61	5.24	0.70	5.60	0.75	5.96	0.80	6.69	0.90	7.42	1.00
		18	3.78	0.53	4.51	0.62	5.24	0.71	5.60	0.76	5.96	0.81	6.69	0.91	7.42	1.02
		20	3.78	0.54	4.51	0.63	5.24	0.73	5.60	0.77	5.96	0.83	6.69	0.93	7.42	1.04
		21	3.78	0.55	4.51	0.64	5.24	0.73	5.60	0.78	5.96	0.83	6.69	0.94	7.42	1.05
		23	3.78	0.55	4.51	0.65	5.24	0.74	5.60	0.80	5.96	0.85	6.69	0.96	7.42	1.07
		25	3.78	0.56	4.51	0.66	5.24	0.76	5.60	0.81	5.96	0.87	6.69	1.00	7.42	1.14
		27	3.78	0.57	4.51	0.68	5.24	0.80	5.60	0.86	5.96	0.93	6.69	1.07	7.42	1.22
		29	3.78	0.60	4.51	0.72	5.24	0.85	5.60	0.92	5.96	0.99	6.69	1.14	7.42	1.30
		31	3.78	0.64	4.51	0.76	5.24	0.90	5.60	0.97	5.96	1.05	6.69	1.21	7.42	1.38
		33	3.78	0.67	4.51	0.81	5.24	0.95	5.60	1.03	5.96	1.11	6.69	1.28	7.42	1.47
		35	3.78	0.71	4.51	0.85	5.24	1.01	5.60	1.09	5.96	1.18	6.69	1.36	7.42	1.56
		37	3.78	0.75	4.51	0.90	5.24	1.07	5.60	1.16	5.96	1.25	6.69	1.45	7.42	1.66
		39	3.78	0.79	4.51	0.95	5.24	1.13	5.60	1.22	5.96	1.32	6.69	1.53	7.42	1.76

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ5PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	18.20	10	12.3	1.62	14.7	1.98	17.0	2.35	18.2	2.54	19.1	2.67	19.6	2.55	20.0	2.44
		12	12.3	1.65	14.7	2.02	17.0	2.40	18.2	2.59	18.9	2.65	19.3	2.54	19.8	2.49
		14	12.3	1.68	14.7	2.05	17.0	2.44	18.2	2.64	18.6	2.64	19.1	2.61	19.5	2.64
		16	12.3	1.71	14.7	2.09	17.0	2.49	18.2	2.72	18.4	2.73	18.8	2.75	19.3	2.78
		18	12.3	1.74	14.7	2.14	17.0	2.65	17.9	2.86	18.1	2.87	18.6	2.90	19.0	2.92
		20	12.3	1.78	14.7	2.28	17.0	2.85	17.7	3.00	17.9	3.01	18.3	3.04	18.8	3.06
		21	12.3	1.83	14.7	2.36	17.0	2.96	17.5	3.07	17.8	3.08	18.2	3.11	18.7	3.13
		23	12.3	1.96	14.7	2.53	17.0	3.17	17.3	3.21	17.5	3.22	18.0	3.25	18.4	3.28
		25	12.3	2.09	14.7	2.71	16.8	3.33	17.1	3.35	17.3	3.36	17.7	3.39	18.2	3.42
		27	12.3	2.24	14.7	2.89	16.6	3.47	16.8	3.49	17.0	3.50	17.5	3.54	17.9	3.57
		29	12.3	2.39	14.7	3.09	16.3	3.61	16.6	3.63	16.8	3.65	17.2	3.68	17.7	3.71
		31	12.3	2.54	14.7	3.30	16.1	3.75	16.3	3.77	16.5	3.79	17.0	3.82	17.4	3.86
		33	12.3	2.71	14.7	3.53	15.8	3.89	16.1	3.91	16.3	3.93	16.7	3.97	17.2	4.01
		35	12.3	2.89	14.7	3.76	15.6	4.04	15.8	4.06	16.0	4.08	16.5	4.12	16.9	4.16
		37	12.3	3.08	14.7	4.01	15.3	4.18	15.6	4.20	15.8	4.22	16.2	4.26	16.7	4.31
		39	12.3	3.27	14.7	4.28	15.1	4.32	15.3	4.34	15.5	4.37	16.0	4.41	16.4	4.46
120	16.80	10	11.3	1.48	13.5	1.80	15.7	2.14	16.8	2.32	17.9	2.49	19.3	2.64	19.7	2.53
		12	11.3	1.50	13.5	1.84	15.7	2.19	16.8	2.36	17.9	2.54	19.0	2.62	19.4	2.51
		14	11.3	1.53	13.5	1.87	15.7	2.23	16.8	2.41	17.9	2.59	18.8	2.60	19.2	2.62
		16	11.3	1.56	13.5	1.91	15.7	2.27	16.8	2.45	17.9	2.66	18.5	2.74	18.9	2.76
		18	11.3	1.59	13.5	1.95	15.7	2.35	16.8	2.60	17.9	2.86	18.3	2.88	18.7	2.90
		20	11.3	1.62	13.5	2.02	15.7	2.52	16.8	2.80	17.6	2.99	18.0	3.02	18.4	3.04
		21	11.3	1.64	13.5	2.10	15.7	2.62	16.8	2.90	17.5	3.06	17.9	3.09	18.3	3.11
		23	11.3	1.75	13.5	2.25	15.7	2.81	16.8	3.11	17.2	3.20	17.7	3.23	18.1	3.26
		25	11.3	1.87	13.5	2.40	15.7	3.01	16.8	3.33	17.0	3.34	17.4	3.37	17.8	3.40
		27	11.3	2.00	13.5	2.57	15.7	3.22	16.5	3.47	16.7	3.48	17.2	3.51	17.6	3.54
		29	11.3	2.13	13.5	2.74	15.7	3.44	16.3	3.61	16.5	3.62	16.9	3.66	17.3	3.69
		31	11.3	2.27	13.5	2.93	15.7	3.68	16.0	3.75	16.3	3.77	16.7	3.80	17.1	3.83
		33	11.3	2.42	13.5	3.12	15.6	3.87	15.8	3.89	16.0	3.91	16.4	3.94	16.8	3.98
		35	11.3	2.57	13.5	3.33	15.3	4.01	15.5	4.03	15.8	4.05	16.2	4.09	16.6	4.12
		37	11.3	2.74	13.5	3.55	15.1	4.15	15.3	4.17	15.5	4.19	15.9	4.23	16.3	4.27
		39	11.3	2.91	13.5	3.78	14.8	4.30	15.1	4.32	15.3	4.34	15.7	4.38	16.1	4.42
110	15.40	10	10.4	1.34	12.4	1.63	14.4	1.94	15.4	2.10	16.4	2.26	18.4	2.58	19.3	2.62
		12	10.4	1.37	12.4	1.66	14.4	1.98	15.4	2.14	16.4	2.30	18.4	2.62	19.1	2.60
		14	10.4	1.39	12.4	1.69	14.4	2.01	15.4	2.18	16.4	2.34	18.4	2.67	18.8	2.60
		16	10.4	1.42	12.4	1.73	14.4	2.05	15.4	2.22	16.4	2.39	18.2	2.72	18.6	2.74
		18	10.4	1.44	12.4	1.76	14.4	2.09	15.4	2.28	16.4	2.51	18.0	2.86	18.3	2.88
		20	10.4	1.47	12.4	1.80	14.4	2.22	15.4	2.45	16.4	2.70	17.7	3.00	18.1	3.02
		21	10.4	1.49	12.4	1.85	14.4	2.30	15.4	2.54	16.4	2.79	17.6	3.07	18.0	3.09
		23	10.4	1.55	12.4	1.98	14.4	2.46	15.4	2.72	16.4	3.00	17.3	3.21	17.7	3.23
		25	10.4	1.66	12.4	2.12	14.4	2.64	15.4	2.92	16.4	3.21	17.1	3.35	17.5	3.38
		27	10.4	1.77	12.4	2.26	14.4	2.82	15.4	3.12	16.4	3.44	16.8	3.49	17.2	3.52
		29	10.4	1.89	12.4	2.42	14.4	3.01	15.4	3.34	16.2	3.60	16.6	3.63	17.0	3.66
		31	10.4	2.01	12.4	2.58	14.4	3.22	15.4	3.57	16.0	3.74	16.3	3.77	16.7	3.80
		33	10.4	2.14	12.4	2.75	14.4	3.43	15.4	3.81	15.7	3.88	16.1	3.92	16.5	3.95
		35	10.4	2.28	12.4	2.93	14.4	3.66	15.3	4.01	15.5	4.02	15.8	4.06	16.2	4.09
		37	10.4	2.42	12.4	3.12	14.4	3.91	15.0	4.15	15.2	4.17	15.6	4.20	16.0	4.24
		39	10.4	2.57	12.4	3.32	14.4	4.16	14.8	4.29	15.0	4.31	15.4	4.35	15.7	4.39
100	14.00	10	9.45	1.21	11.3	1.47	13.1	1.74	14.0	1.88	14.9	2.02	16.7	2.31	18.6	2.60
		12	9.45	1.23	11.3	1.49	13.1	1.77	14.0	1.91	14.9	2.06	16.7	2.35	18.6	2.65
		14	9.45	1.25	11.3	1.52	13.1	1.80	14.0	1.95	14.9	2.10	16.7	2.40	18.5	2.68
		16	9.45	1.28	11.3	1.55	13.1	1.84	14.0	1.99	14.9	2.14	16.7	2.44	18.2	2.72
		18	9.45	1.30	11.3	1.58	13.1	1.88	14.0	2.03	14.9	2.18	16.7	2.58	18.0	2.86
		20	9.45	1.32	11.3	1.61	13.1	1.93	14.0	2.13	14.9	2.34	16.7	2.78	17.7	3.00
		21	9.45	1.34	11.3	1.63	13.1	2.00	14.0	2.20	14.9	2.42	16.7	2.88	17.6	3.07
		23	9.45	1.37	11.3	1.74	13.1	2.14	14.0	2.36	14.9	2.59	16.7	3.09	17.4	3.21
		25	9.45	1.46	11.3	1.85	13.1	2.29	14.0	2.53	14.9	2.78	16.7	3.31	17.1	3.35
		27	9.45	1.56	11.3	1.98	13.1	2.45	14.0	2.70	14.9	2.97	16.5	3.47	16.9	3.49
		29	9.45	1.66	11.3	2.11	13.1	2.62	14.0	2.89	14.9	3.18	16.3	3.61	16.6	3.63
		31	9.45	1.77	11.3	2.25	13.1	2.79	14.0	3.08	14.9	3.39	16.0	3.75	16.4	3.78
		33	9.45	1.88	11.3	2.40	13.1	2.98	14.0	3.29	14.9	3.62	15.8	3.89	16.1	3.92
		35	9.45	2.00	11.3	2.55	13.1	3.17	14.0	3.51	14.9	3.86	15.5	4.03	15.9	4.06
		37	9.45	2.12	11.3	2.71	13.1	3.38	14.0	3.74	14.9	4.12	15.3	4.17	15.6	4.21
		39	9.45	2.25	11.3	2.89	13.1	3.60	14.0	3.99	14.7	4.28	15.0	4.32	15.4	4.35

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NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ5PAV1			TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)													
Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	12.60	10	8.50	1.08	10.1	1.31	11.8	1.54	12.6	1.66	13.4	1.79	15.1	2.04	16.7	2.30
		12	8.50	1.10	10.1	1.33	11.8	1.57	12.6	1.69	13.4	1.82	15.1	2.08	16.7	2.35
		14	8.50	1.12	10.1	1.35	11.8	1.60	12.6	1.73	13.4	1.86	15.1	2.12	16.7	2.39
		16	8.50	1.14	10.1	1.38	11.8	1.63	12.6	1.76	13.4	1.89	15.1	2.16	16.7	2.44
		18	8.50	1.16	10.1	1.40	11.8	1.66	12.6	1.79	13.4	1.93	15.1	2.21	16.7	2.58
		20	8.50	1.18	10.1	1.43	11.8	1.69	12.6	1.83	13.4	2.00	15.1	2.37	16.7	2.77
		21	8.50	1.19	10.1	1.45	11.8	1.72	12.6	1.89	13.4	2.07	15.1	2.46	16.7	2.87
		23	8.50	1.22	10.1	1.51	11.8	1.85	12.6	2.03	13.4	2.22	15.1	2.63	16.7	3.08
		25	8.50	1.28	10.1	1.61	11.8	1.97	12.6	2.17	13.4	2.38	15.1	2.82	16.7	3.30
		27	8.50	1.36	10.1	1.71	11.8	2.11	12.6	2.32	13.4	2.54	15.1	3.02	16.5	3.47
		29	8.50	1.45	10.1	1.83	11.8	2.25	12.6	2.47	13.4	2.71	15.1	3.22	16.3	3.61
		31	8.50	1.54	10.1	1.94	11.8	2.40	12.6	2.64	13.4	2.90	15.1	3.44	16.0	3.75
80	11.20	33	8.50	1.64	10.1	2.07	11.8	2.55	12.6	2.81	13.4	3.09	15.1	3.68	15.8	3.89
		35	8.50	1.74	10.1	2.20	11.8	2.72	12.6	3.00	13.4	3.29	15.1	3.92	15.5	4.03
		37	8.50	1.85	10.1	2.34	11.8	2.89	12.6	3.19	13.4	3.51	15.0	4.14	15.3	4.17
		39	8.50	1.96	10.1	2.49	11.8	3.08	12.6	3.40	13.4	3.74	14.7	4.28	15.0	4.31
		10	7.56	0.96	9.02	1.15	10.5	1.35	11.2	1.46	11.9	1.56	13.4	1.78	14.8	2.01
		12	7.56	0.98	9.02	1.17	10.5	1.38	11.2	1.48	11.9	1.59	13.4	1.82	14.8	2.05
		14	7.56	0.99	9.02	1.19	10.5	1.40	11.2	1.51	11.9	1.62	13.4	1.85	14.8	2.09
		16	7.56	1.01	9.02	1.21	10.5	1.43	11.2	1.54	11.9	1.65	13.4	1.89	14.8	2.13
		18	7.56	1.03	9.02	1.23	10.5	1.46	11.2	1.57	11.9	1.69	13.4	1.92	14.8	2.17
		20	7.56	1.05	9.02	1.26	10.5	1.48	11.2	1.60	11.9	1.72	13.4	1.99	14.8	2.32
		21	7.56	1.05	9.02	1.27	10.5	1.50	11.2	1.62	11.9	1.75	13.4	2.07	14.8	2.40
		23	7.56	1.07	9.02	1.29	10.5	1.57	11.2	1.72	11.9	1.88	13.4	2.21	14.8	2.58
70	9.80	25	7.56	1.11	9.02	1.38	10.5	1.68	11.2	1.84	11.9	2.01	13.4	2.37	14.8	2.76
		27	7.56	1.18	9.02	1.47	10.5	1.79	11.2	1.96	11.9	2.14	13.4	2.53	14.8	2.95
		29	7.56	1.25	9.02	1.56	10.5	1.91	11.2	2.09	11.9	2.29	13.4	2.70	14.8	3.15
		31	7.56	1.33	9.02	1.66	10.5	2.03	11.2	2.23	11.9	2.44	13.4	2.89	14.8	3.37
		33	7.56	1.41	9.02	1.77	10.5	2.16	11.2	2.38	11.9	2.60	13.4	3.08	14.8	3.60
		35	7.56	1.50	9.02	1.88	10.5	2.30	11.2	2.53	11.9	2.77	13.4	3.28	14.8	3.84
		37	7.56	1.59	9.02	1.99	10.5	2.45	11.2	2.69	11.9	2.95	13.4	3.50	14.8	4.09
		39	7.56	1.68	9.02	2.12	10.5	2.60	11.2	2.86	11.9	3.14	13.4	3.72	14.7	4.28
		10	6.61	0.85	7.89	1.00	9.16	1.17	9.80	1.26	10.4	1.35	11.7	1.53	13.0	1.72
		12	6.61	0.86	7.89	1.02	9.16	1.19	9.80	1.28	10.4	1.37	11.7	1.56	13.0	1.75
		14	6.61	0.87	7.89	1.04	9.16	1.21	9.80	1.30	10.4	1.40	11.7	1.59	13.0	1.79
		60	8.40	16	6.61	0.89	7.89	1.05	9.16	1.23	9.80	1.33	10.4	1.42	11.7	1.62
18	6.61			0.90	7.89	1.07	9.16	1.26	9.80	1.35	10.4	1.45	11.7	1.65	13.0	1.86
20	6.61			0.92	7.89	1.09	9.16	1.28	9.80	1.38	10.4	1.48	11.7	1.68	13.0	1.91
21	6.61			0.92	7.89	1.10	9.16	1.29	9.80	1.39	10.4	1.49	11.7	1.71	13.0	1.98
23	6.61			0.94	7.89	1.12	9.16	1.32	9.80	1.44	10.4	1.56	11.7	1.83	13.0	2.12
25	6.61			0.96	7.89	1.17	9.16	1.41	9.80	1.54	10.4	1.67	11.7	1.96	13.0	2.27
27	6.61			1.01	7.89	1.24	9.16	1.50	9.80	1.64	10.4	1.78	11.7	2.09	13.0	2.42
29	6.61			1.07	7.89	1.32	9.16	1.60	9.80	1.74	10.4	1.90	11.7	2.23	13.0	2.59
31	6.61			1.14	7.89	1.40	9.16	1.70	9.80	1.86	10.4	2.02	11.7	2.38	13.0	2.76
33	6.61			1.20	7.89	1.49	9.16	1.80	9.80	1.97	10.4	2.15	11.7	2.53	13.0	2.94
35	6.61			1.28	7.89	1.58	9.16	1.92	9.80	2.10	10.4	2.29	11.7	2.70	13.0	3.14
37	6.61			1.35	7.89	1.68	9.16	2.04	9.80	2.23	10.4	2.43	11.7	2.87	13.0	3.34
50	7.00	39	6.61	1.43	7.89	1.78	9.16	2.16	9.80	2.37	10.4	2.59	11.7	3.05	13.0	3.56
		10	5.67	0.74	6.76	0.86	7.85	1.00	8.40	1.07	8.95	1.14	10.0	1.29	11.1	1.45
		12	5.67	0.75	6.76	0.88	7.85	1.01	8.40	1.09	8.95	1.16	10.0	1.31	11.1	1.47
		14	5.67	0.76	6.76	0.89	7.85	1.03	8.40	1.11	8.95	1.18	10.0	1.34	11.1	1.50
		16	5.67	0.77	6.76	0.90	7.85	1.05	8.40	1.13	8.95	1.20	10.0	1.36	11.1	1.53
		18	5.67	0.78	6.76	0.92	7.85	1.07	8.40	1.15	8.95	1.22	10.0	1.39	11.1	1.56
		20	5.67	0.79	6.76	0.93	7.85	1.09	8.40	1.17	8.95	1.25	10.0	1.42	11.1	1.59
		21	5.67	0.80	6.76	0.94	7.85	1.10	8.40	1.18	8.95	1.26	10.0	1.43	11.1	1.60
		23	5.67	0.81	6.76	0.96	7.85	1.12	8.40	1.20	8.95	1.28	10.0	1.48	11.1	1.71
		25	5.67	0.82	6.76	0.98	7.85	1.16	8.40	1.26	8.95	1.36	10.0	1.59	11.1	1.82
		27	5.67	0.85	6.76	1.04	7.85	1.24	8.40	1.34	8.95	1.45	10.0	1.69	11.1	1.95
		29	5.67	0.91	6.76	1.10	7.85	1.31	8.40	1.43	8.95	1.55	10.0	1.80	11.1	2.07
31	5.67	0.96	6.76	1.17	7.85	1.40	8.40	1.52	8.95	1.65	10.0	1.92	11.1	2.21		
33	5.67	1.01	6.76	1.24	7.85	1.48	8.40	1.61	8.95	1.75	10.0	2.04	11.1	2.35		
35	5.67	1.07	6.76	1.31	7.85	1.57	8.40	1.71	8.95	1.86	10.0	2.17	11.1	2.51		
37	5.67	1.13	6.76	1.39	7.85	1.67	8.40	1.82	8.95	1.97	10.0	2.31	11.1	2.67		
39	5.67	1.20	6.76	1.47	7.85	1.77	8.40	1.93	8.95	2.09	10.0	2.45	11.1	2.84		
40	5.60	10	4.72	0.63	5.63	0.73	6.54	0.84	7.00	0.89	7.46	0.95	8.37	1.06	9.28	1.19
		12	4.72	0.64	5.63	0.74	6.54	0.85	7.00	0.91	7.46	0.96	8.37	1.08	9.28	1.21
		14	4.72	0.65	5.63	0.75	6.54	0.86	7.00	0.92	7.46	0.98	8.37	1.10	9.28	1.23
		16	4.72	0.66	5.63	0.76	6.54	0.88	7.00	0.94	7.46	1.00	8.37	1.12	9.28	1.25
		18	4.72	0.67	5.63	0.78	6.54	0.89	7.00	0.95	7.46	1.01	8.37	1.14	9.28	1.27
		20	4.72	0.68	5.63	0.79	6.54	0.91	7.00	0.97	7.46	1.03	8.37	1.16	9.28	1.30
		21	4.72	0.68	5.63	0.79	6.54	0.91	7.00	0.98	7.46	1.04	8.37	1.17	9.28	1.31
		23	4.72	0.69	5.63	0.81	6.54	0.93	7.00	0.99	7.46	1.06	8.37	1.19	9.28	1.34
		25	4.72	0.70	5.63	0.82	6.54	0.95	7.00	1.01	7.46	1.09	8.37	1.25	9.28	1.43
		27	4.72	0.71	5.63	0.85	6.54	1.00	7.00	1.08	7.46	1.16	8.37	1.34	9.28	1.52
		29	4.72	0.75	5.63	0.90	6.54	1.06	7.00	1.14	7.46	1.23	8.37	1.42	9.28	1.62
		31	4.72	0.80	5.63	0.95	6.54	1.12	7.00	1.21	7.46	1.31	8.37	1.51	9.28	1.73
33	4.72	0.84	5.63	1.01	6.54	1.19	7.00	1.29	7.46	1.39	8.37	1.60	9.28	1.83		
35	4.72	0.89	5.63	1.07	6.54	1.26	7.00	1.36	7.46	1.47	8.37	1.70	9.28	1.95		
37	4.72	0.94	5.63	1.13	6.54	1.33	7.00	1.45	7.46	1.56	8.37	1.81	9.28	2.07		
39	4.72	0.99	5.63	1.19	6.54	1.41	7.00	1.53	7.46	1.65	8.37					

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ6PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	20.15	10	13.6	2.09	16.2	2.55	18.8	3.04	20.2	3.28	20.4	3.22	20.9	3.08	21.4	2.94
		12	13.6	2.12	16.2	2.60	18.8	3.09	19.9	3.27	20.1	3.20	20.6	3.06	21.1	3.01
		14	13.6	2.16	16.2	2.65	18.8	3.15	19.6	3.25	19.9	3.18	20.4	3.15	20.9	3.18
		16	13.6	2.21	16.2	2.70	18.8	3.21	19.4	3.28	19.6	3.29	20.1	3.32	20.6	3.35
		18	13.6	2.25	16.2	2.76	18.8	3.42	19.1	3.44	19.3	3.46	19.8	3.49	20.3	3.52
		20	13.6	2.29	16.2	2.94	18.6	3.59	18.8	3.61	19.1	3.63	19.6	3.66	20.1	3.70
		21	13.6	2.36	16.2	3.04	18.5	3.68	18.7	3.70	19.0	3.71	19.4	3.75	19.9	3.78
		23	13.6	2.53	16.2	3.26	18.2	3.85	18.4	3.86	18.7	3.88	19.2	3.92	19.7	3.96
		25	13.6	2.70	16.2	3.49	17.9	4.01	18.2	4.03	18.4	4.05	18.9	4.09	19.4	4.13
		27	13.6	2.88	16.2	3.74	17.7	4.18	17.9	4.20	18.2	4.22	18.7	4.27	19.1	4.31
		29	13.6	3.08	16.2	3.99	17.4	4.35	17.7	4.37	17.9	4.40	18.4	4.44	18.9	4.48
		31	13.6	3.28	16.2	4.26	17.2	4.52	17.4	4.54	17.6	4.57	18.1	4.61	18.6	4.66
		33	13.6	3.50	16.2	4.55	16.9	4.69	17.1	4.72	17.4	4.74	17.9	4.79	18.4	4.84
		35	13.6	3.73	16.1	4.81	16.6	4.86	16.9	4.89	17.1	4.91	17.6	4.97	18.1	5.02
		37	13.6	3.97	15.9	4.98	16.4	5.04	16.6	5.06	16.9	5.09	17.3	5.14	17.8	5.20
		39	13.6	4.23	15.6	5.15	16.1	5.21	16.4	5.24	16.6	5.27	17.1	5.32	17.6	5.38
120	18.60	10	12.6	1.91	15.0	2.33	17.4	2.77	18.6	2.99	19.8	3.22	20.5	3.18	21.0	3.05
		12	12.6	1.94	15.0	2.37	17.4	2.82	18.6	3.05	19.8	3.28	20.3	3.16	20.7	3.03
		14	12.6	1.98	15.0	2.42	17.4	2.87	18.6	3.11	19.6	3.27	20.0	3.14	20.5	3.16
		16	12.6	2.01	15.0	2.46	17.4	2.93	18.6	3.17	19.3	3.27	19.8	3.30	20.2	3.33
		18	12.6	2.05	15.0	2.51	17.4	3.03	18.6	3.36	19.0	3.44	19.5	3.47	19.9	3.50
		20	12.6	2.09	15.0	2.61	17.4	3.26	18.6	3.59	18.8	3.61	19.2	3.64	19.7	3.67
		21	12.6	2.11	15.0	2.71	17.4	3.38	18.4	3.67	18.6	3.69	19.1	3.72	19.6	3.76
		23	12.6	2.26	15.0	2.90	17.4	3.62	18.2	3.84	18.4	3.86	18.8	3.89	19.3	3.93
		25	12.6	2.41	15.0	3.10	17.4	3.88	17.9	4.01	18.1	4.03	18.6	4.06	19.0	4.10
		27	12.6	2.58	15.0	3.32	17.4	4.15	17.6	4.18	17.9	4.20	18.3	4.24	18.8	4.27
		29	12.6	2.75	15.0	3.54	17.1	4.33	17.4	4.35	17.6	4.37	18.1	4.41	18.5	4.45
		31	12.6	2.93	15.0	3.78	16.9	4.50	17.1	4.52	17.3	4.54	17.8	4.58	18.2	4.62
		33	12.6	3.12	15.0	4.03	16.6	4.66	16.8	4.69	17.1	4.71	17.5	4.76	18.0	4.80
		35	12.6	3.32	15.0	4.30	16.4	4.83	16.6	4.86	16.8	4.88	17.3	4.93	17.7	4.98
		37	12.6	3.53	15.0	4.58	16.1	5.00	16.3	5.03	16.5	5.06	17.0	5.11	17.5	5.16
		39	12.6	3.76	15.0	4.88	15.8	5.18	16.1	5.20	16.3	5.23	16.7	5.28	17.2	5.34
110	17.05	10	11.5	1.73	13.7	2.11	15.9	2.50	17.1	2.71	18.2	2.91	20.2	3.27	20.6	3.16
		12	11.5	1.76	13.7	2.15	15.9	2.55	17.1	2.76	18.2	2.97	19.9	3.25	20.3	3.14
		14	11.5	1.79	13.7	2.19	15.9	2.60	17.1	2.81	18.2	3.02	19.7	3.24	20.1	3.14
		16	11.5	1.83	13.7	2.23	15.9	2.65	17.1	2.86	18.2	3.08	19.4	3.28	19.8	3.30
		18	11.5	1.86	13.7	2.27	15.9	2.70	17.1	2.94	18.2	3.24	19.1	3.45	19.6	3.47
		20	11.5	1.90	13.7	2.32	15.9	2.86	17.1	3.16	18.2	3.48	18.9	3.61	19.3	3.64
		21	11.5	1.92	13.7	2.39	15.9	2.97	17.1	3.28	18.2	3.60	18.8	3.70	19.2	3.73
		23	11.5	2.01	13.7	2.56	15.9	3.18	17.1	3.51	18.1	3.84	18.5	3.87	18.9	3.90
		25	11.5	2.14	13.7	2.74	15.9	3.40	17.1	3.76	17.8	4.00	18.2	4.04	18.6	4.07
		27	11.5	2.29	13.7	2.92	15.9	3.64	17.1	4.03	17.6	4.17	18.0	4.21	18.4	4.24
		29	11.5	2.44	13.7	3.12	15.9	3.89	17.1	4.31	17.3	4.34	17.7	4.38	18.1	4.41
		31	11.5	2.59	13.7	3.33	15.9	4.15	16.8	4.49	17.0	4.51	17.4	4.55	17.9	4.59
		33	11.5	2.76	13.7	3.55	15.9	4.43	16.6	4.66	16.8	4.68	17.2	4.72	17.6	4.76
		35	11.5	2.94	13.7	3.78	15.9	4.73	16.3	4.83	16.5	4.85	16.9	4.89	17.3	4.94
		37	11.5	3.12	13.7	4.02	15.8	4.97	16.0	5.00	16.2	5.02	16.7	5.07	17.1	5.11
		39	11.5	3.32	13.7	4.28	15.6	5.14	15.8	5.17	16.0	5.19	16.4	5.24	16.8	5.29
100	15.50	10	10.5	1.56	12.5	1.89	14.5	2.24	15.5	2.42	16.5	2.61	18.5	2.98	20.2	3.26
		12	10.5	1.59	12.5	1.93	14.5	2.28	15.5	2.47	16.5	2.66	18.5	3.03	20.0	3.25
		14	10.5	1.62	12.5	1.96	14.5	2.33	15.5	2.52	16.5	2.71	18.5	3.09	19.7	3.23
		16	10.5	1.65	12.5	2.00	14.5	2.37	15.5	2.56	16.5	2.76	18.5	3.15	19.4	3.28
		18	10.5	1.68	12.5	2.04	14.5	2.42	15.5	2.62	16.5	2.81	18.5	3.33	19.2	3.45
		20	10.5	1.71	12.5	2.08	14.5	2.49	15.5	2.75	16.5	3.01	18.5	3.59	18.9	3.62
		21	10.5	1.72	12.5	2.10	14.5	2.58	15.5	2.85	16.5	3.12	18.4	3.67	18.8	3.70
		23	10.5	1.77	12.5	2.24	14.5	2.77	15.5	3.05	16.5	3.35	18.1	3.84	18.5	3.87
		25	10.5	1.89	12.5	2.39	14.5	2.96	15.5	3.26	16.5	3.59	17.9	4.01	18.3	4.04
		27	10.5	2.01	12.5	2.55	14.5	3.16	15.5	3.49	16.5	3.84	17.6	4.18	18.0	4.21
		29	10.5	2.14	12.5	2.72	14.5	3.38	15.5	3.73	16.5	4.10	17.4	4.35	17.7	4.38
		31	10.5	2.28	12.5	2.90	14.5	3.60	15.5	3.98	16.5	4.38	17.1	4.52	17.5	4.55
		33	10.5	2.43	12.5	3.09	14.5	3.84	15.5	4.25	16.5	4.65	16.8	4.69	17.2	4.72
		35	10.5	2.58	12.5	3.29	14.5	4.09	15.5	4.53	16.2	4.82	16.6	4.86	16.9	4.90
		37	10.5	2.74	12.5	3.50	14.5	4.36	15.5	4.83	15.9	4.99	16.3	5.03	16.7	5.07
		39	10.5	2.91	12.5	3.73	14.5	4.65	15.5	5.13	15.7	5.16	16.0	5.20	16.4	5.25

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NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ6PAV1			TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)													
Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	Indoor air temp. (°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
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	13.95	10	9.41	1.40	11.2	1.69	13.0	1.99	14.0	2.15	14.9	2.31	16.7	2.64	18.5	2.97
		12	9.41	1.42	11.2	1.72	13.0	2.03	14.0	2.19	14.9	2.35	16.7	2.69	18.5	3.03
		14	9.41	1.45	11.2	1.75	13.0	2.06	14.0	2.23	14.9	2.40	16.7	2.74	18.5	3.09
		16	9.41	1.47	11.2	1.78	13.0	2.10	14.0	2.27	14.9	2.44	16.7	2.79	18.5	3.15
		18	9.41	1.50	11.2	1.81	13.0	2.14	14.0	2.32	14.9	2.49	16.7	2.85	18.5	3.32
		20	9.41	1.53	11.2	1.85	13.0	2.19	14.0	2.36	14.9	2.58	16.7	3.06	18.5	3.57
		21	9.41	1.54	11.2	1.87	13.0	2.23	14.0	2.44	14.9	2.68	16.7	3.17	18.4	3.67
		23	9.41	1.57	11.2	1.94	13.0	2.38	14.0	2.62	14.9	2.87	16.7	3.40	18.1	3.84
		25	9.41	1.65	11.2	2.07	13.0	2.55	14.0	2.80	14.9	3.07	16.7	3.64	17.9	4.01
		27	9.41	1.76	11.2	2.21	13.0	2.72	14.0	2.99	14.9	3.28	16.7	3.89	17.6	4.18
		29	9.41	1.87	11.2	2.36	13.0	2.90	14.0	3.19	14.9	3.50	16.7	4.16	17.4	4.35
		31	9.41	1.99	11.2	2.51	13.0	3.09	14.0	3.41	14.9	3.74	16.7	4.45	17.1	4.51
		33	9.41	2.11	11.2	2.67	13.0	3.29	14.0	3.63	14.9	3.99	16.5	4.65	16.8	4.68
		35	9.41	2.24	11.2	2.84	13.0	3.51	14.0	3.87	14.9	4.25	16.2	4.82	16.6	4.86
		37	9.41	2.38	11.2	3.02	13.0	3.73	14.0	4.12	14.9	4.53	16.0	4.99	16.3	5.03
		39	9.41	2.53	11.2	3.21	13.0	3.97	14.0	4.39	14.9	4.83	15.7	5.16	16.0	5.20
80	12.40	10	8.37	1.24	10.0	1.49	11.6	1.75	12.4	1.88	13.2	2.02	14.8	2.30	16.4	2.59
		12	8.37	1.26	10.0	1.51	11.6	1.78	12.4	1.91	13.2	2.05	14.8	2.34	16.4	2.64
		14	8.37	1.28	10.0	1.54	11.6	1.81	12.4	1.95	13.2	2.09	14.8	2.39	16.4	2.69
		16	8.37	1.30	10.0	1.56	11.6	1.84	12.4	1.99	13.2	2.13	14.8	2.44	16.4	2.74
		18	8.37	1.33	10.0	1.59	11.6	1.88	12.4	2.03	13.2	2.18	14.8	2.48	16.4	2.80
		20	8.37	1.35	10.0	1.62	11.6	1.91	12.4	2.06	13.2	2.22	14.8	2.57	16.4	2.99
		21	8.37	1.36	10.0	1.64	11.6	1.93	12.4	2.09	13.2	2.26	14.8	2.67	16.4	3.10
		23	8.37	1.39	10.0	1.67	11.6	2.03	12.4	2.22	13.2	2.42	14.8	2.86	16.4	3.32
		25	8.37	1.43	10.0	1.78	11.6	2.16	12.4	2.37	13.2	2.59	14.8	3.06	16.4	3.56
		27	8.37	1.52	10.0	1.89	11.6	2.31	12.4	2.53	13.2	2.77	14.8	3.27	16.4	3.81
		29	8.37	1.62	10.0	2.02	11.6	2.46	12.4	2.70	13.2	2.95	14.8	3.49	16.4	4.07
		31	8.37	1.72	10.0	2.15	11.6	2.62	12.4	2.88	13.2	3.15	14.8	3.72	16.4	4.35
		33	8.37	1.82	10.0	2.28	11.6	2.79	12.4	3.07	13.2	3.35	14.8	3.97	16.4	4.64
		35	8.37	1.93	10.0	2.42	11.6	2.97	12.4	3.26	13.2	3.57	14.8	4.23	16.2	4.82
		37	8.37	2.05	10.0	2.57	11.6	3.16	12.4	3.47	13.2	3.80	14.8	4.51	15.9	4.98
		39	8.37	2.17	10.0	2.73	11.6	3.36	12.4	3.69	13.2	4.05	14.8	4.81	15.7	5.15
70	10.85	10	7.32	1.09	8.73	1.29	10.1	1.51	10.9	1.62	11.6	1.74	13.0	1.98	14.4	2.22
		12	7.32	1.11	8.73	1.32	10.1	1.54	10.9	1.65	11.6	1.77	13.0	2.01	14.4	2.26
		14	7.32	1.12	8.73	1.34	10.1	1.56	10.9	1.68	11.6	1.80	13.0	2.05	14.4	2.31
		16	7.32	1.14	8.73	1.36	10.1	1.59	10.9	1.71	11.6	1.84	13.0	2.09	14.4	2.35
		18	7.32	1.16	8.73	1.38	10.1	1.62	10.9	1.74	11.6	1.87	13.0	2.13	14.4	2.40
		20	7.32	1.18	8.73	1.41	10.1	1.65	10.9	1.78	11.6	1.91	13.0	2.17	14.4	2.46
		21	7.32	1.19	8.73	1.42	10.1	1.67	10.9	1.80	11.6	1.93	13.0	2.21	14.4	2.55
		23	7.32	1.21	8.73	1.45	10.1	1.70	10.9	1.86	11.6	2.02	13.0	2.36	14.4	2.73
		25	7.32	1.23	8.73	1.51	10.1	1.82	10.9	1.98	11.6	2.16	13.0	2.52	14.4	2.92
		27	7.32	1.30	8.73	1.60	10.1	1.93	10.9	2.11	11.6	2.30	13.0	2.70	14.4	3.13
		29	7.32	1.38	8.73	1.70	10.1	2.06	10.9	2.25	11.6	2.45	13.0	2.88	14.4	3.34
		31	7.32	1.47	8.73	1.81	10.1	2.19	10.9	2.40	11.6	2.61	13.0	3.07	14.4	3.56
		33	7.32	1.55	8.73	1.92	10.1	2.33	10.9	2.55	11.6	2.78	13.0	3.27	14.4	3.80
		35	7.32	1.65	8.73	2.04	10.1	2.47	10.9	2.71	11.6	2.95	13.0	3.48	14.4	4.05
		37	7.32	1.74	8.73	2.16	10.1	2.63	10.9	2.88	11.6	3.14	13.0	3.70	14.4	4.31
		39	7.32	1.84	8.73	2.29	10.1	2.79	10.9	3.06	11.6	3.34	13.0	3.94	14.4	4.59
60	9.30	10	6.28	0.95	7.49	1.11	8.70	1.29	9.30	1.38	9.90	1.47	11.1	1.67	12.3	1.87
		12	6.28	0.96	7.49	1.13	8.70	1.31	9.30	1.40	9.90	1.50	11.1	1.70	12.3	1.90
		14	6.28	0.98	7.49	1.15	8.70	1.33	9.30	1.43	9.90	1.52	11.1	1.73	12.3	1.94
		16	6.28	0.99	7.49	1.17	8.70	1.35	9.30	1.45	9.90	1.55	11.1	1.76	12.3	1.97
		18	6.28	1.01	7.49	1.19	8.70	1.38	9.30	1.48	9.90	1.58	11.1	1.79	12.3	2.01
		20	6.28	1.02	7.49	1.21	8.70	1.40	9.30	1.51	9.90	1.61	11.1	1.83	12.3	2.05
		21	6.28	1.03	7.49	1.22	8.70	1.42	9.30	1.52	9.90	1.63	11.1	1.84	12.3	2.07
		23	6.28	1.05	7.49	1.24	8.70	1.44	9.30	1.55	9.90	1.66	11.1	1.92	12.3	2.20
		25	6.28	1.06	7.49	1.26	8.70	1.50	9.30	1.63	9.90	1.76	11.1	2.05	12.3	2.35
		27	6.28	1.10	7.49	1.34	8.70	1.59	9.30	1.73	9.90	1.88	11.1	2.18	12.3	2.51
		29	6.28	1.17	7.49	1.42	8.70	1.69	9.30	1.84	9.90	2.00	11.1	2.32	12.3	2.68
		31	6.28	1.24	7.49	1.50	8.70	1.80	9.30	1.96	9.90	2.12	11.1	2.47	12.3	2.85
		33	6.28	1.31	7.49	1.60	8.70	1.91	9.30	2.08	9.90	2.26	11.1	2.63	12.3	3.04
		35	6.28	1.38	7.49	1.69	8.70	2.03	9.30	2.21	9.90	2.40	11.1	2.80	12.3	3.23
		37	6.28	1.46	7.49	1.79	8.70	2.15	9.30	2.34	9.90	2.55	11.1	2.98	12.3	3.44
		39	6.28	1.55	7.49	1.89	8.70	2.28	9.30	2.49	9.90	2.70	11.1	3.16	12.3	3.66
50	7.75	10	5.23	0.82	6.24	0.94	7.25	1.08	7.75	1.15	8.25	1.22	9.26	1.37	10.3	1.53
		12	5.23	0.83	6.24	0.96	7.25	1.10	7.75	1.17	8.25	1.24	9.26	1.40	10.3	1.56
		14	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
		16	5.23	0.85	6.24	0.99	7.25	1.13	7.75	1.21	8.25	1.28	9.26	1.45	10.3	1.61
		18	5.23	0.86	6.24	1.00	7.25	1.15	7.75	1.23	8.25	1.31	9.26	1.47	10.3	1.64
		20	5.23	0.87	6.24	1.02	7.25	1.17	7.75	1.25	8.25	1.33	9.26	1.50	10.3	1.67
		21	5.23	0.88	6.24	1.02	7.25	1.18	7.75	1.26	8.25	1.34	9.26	1.51	10.3	1.69
		23	5.23	0.89	6.24	1.04	7.25	1.20	7.75	1.28	8.25	1.37	9.26	1.54	10.3	1.73
		25	5.23	0.91	6.24	1.06	7.25	1.22	7.75	1.31	8.25	1.41	9.26	1.62	10.3	1.84
		27	5.23	0.92	6.24	1.10	7.25	1.29	7.75	1.39	8.25	1.50	9.26	1.72	10.3	1.97
		29	5.23	0.97	6.24	1.16	7.25	1.37	7.75	1.48	8.25	1.59	9.26	1.83	10.3	2.09
		31	5.23	1.03	6.24	1.23	7.25	1.45	7.75	1.57	8.25	1.69	9.26	1.95	10.3	2.23
		33	5.23	1.09	6.24	1.30	7.25	1.54	7.75	1.66	8.25	1.79	9.26	2.07	10.3	2.37
		35	5.23	1.15	6.24	1.38	7.25	1.63	7.75	1.76	8.25	1.90	9.26	2.20	10.3	2.52
		37	5.23	1.21	6.24	1.45	7.25	1.72	7.75	1.86	8.25	2.01	9.26	2.33	10.3	2.67
		39	5.23	1.27	6.24	1.53	7.25	1.82	7.75	1.97	8.25	2.13	9.26	2.47	10.3	2.84

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ4PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				16.0		18.0		20.0		21.0		22.0		24.0	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	16.25	-19.8	-20	10.2	3.26	10.2	3.39	10.1	3.52	10.1	3.59	10.1	3.65	10.1	3.78
		-18.8	-19	10.5	3.33	10.5	3.46	10.4	3.59	10.4	3.65	10.4	3.71	10.4	3.84
		-16.7	-17	11.1	3.46	11.1	3.58	11.0	3.70	11.0	3.76	11.0	3.82	11.0	3.94
		-14.7	-15	11.7	3.58	11.7	3.69	11.7	3.81	11.6	3.87	11.6	3.92	11.6	4.04
		-12.6	-13	12.3	3.69	12.3	3.79	12.3	3.90	12.3	3.96	12.2	4.01	12.2	4.12
		-10.5	-11	12.9	3.78	12.9	3.89	12.9	3.99	12.9	4.04	12.9	4.09	12.8	4.19
		-9.5	-10	13.2	3.83	13.2	3.93	13.2	4.03	13.2	4.08	13.2	4.13	13.1	4.23
		-8.5	-9.1	13.5	3.87	13.5	3.97	13.5	4.06	13.4	4.11	13.4	4.16	13.4	4.26
		-7.0	-7.6	14.0	3.93	13.9	4.02	13.9	4.12	13.9	4.17	13.9	4.21	13.9	4.31
		-5.0	-5.6	14.6	4.00	14.6	4.09	14.5	4.19	14.5	4.23	14.5	4.28	14.2	4.22
		-3.0	-3.7	15.2	4.07	15.1	4.16	15.1	4.24	15.1	4.29	15.1	4.33	14.2	4.00
		0.0	-0.7	16.1	4.17	16.1	4.25	16.0	4.33	15.7	4.25	15.2	4.06	14.2	3.71
		3.0	2.2	17.0	4.25	16.9	4.33	16.3	4.13	15.7	3.96	15.2	3.79	14.2	3.46
		5.0	4.1	17.6	4.30	17.3	4.28	16.3	3.95	15.7	3.79	15.2	3.63	14.2	3.32
		7.0	6	18.1	4.34	17.3	4.10	16.3	3.79	15.7	3.63	15.2	3.48	14.2	3.19
		9.0	7.9	18.3	4.25	17.3	3.94	16.3	3.64	15.7	3.49	15.2	3.35	14.2	3.07
		11.0	9.8	18.3	4.08	17.3	3.79	16.3	3.50	15.7	3.36	15.2	3.22	14.2	2.95
		13.0	11.8	18.3	3.92	17.3	3.64	16.3	3.36	15.7	3.23	15.2	3.10	14.2	2.84
		15.0	13.7	18.3	3.78	17.3	3.51	16.3	3.25	15.7	3.12	15.2	2.99	14.2	2.75
120	15.00	-19.8	-20	10.1	3.44	10.1	3.56	10.1	3.68	10.1	3.74	10.1	3.80	10.0	3.92
		-18.8	-19	10.5	3.50	10.4	3.62	10.4	3.74	10.4	3.80	10.4	3.86	10.3	3.97
		-16.7	-17	11.1	3.62	11.0	3.74	11.0	3.85	11.0	3.90	11.0	3.96	11.0	4.07
		-14.7	-15	11.7	3.73	11.6	3.84	11.6	3.94	11.6	4.00	11.6	4.05	11.6	4.16
		-12.6	-13	12.3	3.83	12.3	3.93	12.2	4.03	12.2	4.08	12.2	4.13	12.2	4.23
		-10.5	-11	12.9	3.92	12.9	4.02	12.8	4.11	12.8	4.16	12.8	4.21	12.8	4.30
		-9.5	-10	13.2	3.96	13.2	4.06	13.2	4.15	13.1	4.20	13.1	4.24	13.1	4.32
		-8.5	-9.1	13.5	4.00	13.5	4.09	13.4	4.18	13.4	4.23	13.4	4.27	13.1	4.20
		-7.0	-7.6	13.9	4.06	13.9	4.14	13.9	4.23	13.9	4.28	13.9	4.32	13.1	4.02
		-5.0	-5.6	14.5	4.13	14.5	4.21	14.5	4.29	14.5	4.34	14.0	4.17	13.1	3.80
		-3.0	-3.7	15.1	4.19	15.1	4.27	15.0	4.31	14.5	4.14	14.0	3.96	13.1	3.62
		0.0	-0.7	16.0	4.28	16.0	4.33	15.0	3.99	14.5	3.83	14.0	3.67	13.1	3.36
		3.0	2.2	16.9	4.35	16.0	4.03	15.0	3.72	14.5	3.57	14.0	3.43	13.1	3.14
		5.0	4.1	16.9	4.16	16.0	3.86	15.0	3.57	14.5	3.42	14.0	3.28	13.1	3.01
		7.0	6	16.9	3.99	16.0	3.70	15.0	3.42	14.5	3.29	14.0	3.15	13.1	2.89
		9.0	7.9	16.9	3.83	16.0	3.56	15.0	3.29	14.5	3.16	14.0	3.03	13.1	2.78
		11.0	9.8	16.9	3.68	16.0	3.42	15.0	3.17	14.5	3.04	14.0	2.92	13.1	2.68
		13.0	11.8	16.9	3.54	16.0	3.29	15.0	3.05	14.5	2.93	14.0	2.81	13.1	2.58
		15.0	13.7	16.9	3.42	16.0	3.18	15.0	2.94	14.5	2.83	14.0	2.72	13.1	2.50
110	13.75	-19.8	-20	10.1	3.61	10.1	3.73	10.1	3.84	10.0	3.89	10.0	3.95	10.0	4.06
		-18.8	-19	10.4	3.68	10.4	3.78	10.4	3.89	10.4	3.95	10.3	4.00	10.3	4.11
		-16.7	-17	11.0	3.79	11.0	3.89	11.0	3.99	11.0	4.04	11.0	4.09	10.9	4.20
		-14.7	-15	11.6	3.89	11.6	3.98	11.6	4.08	11.6	4.13	11.6	4.18	11.5	4.27
		-12.6	-13	12.2	3.98	12.2	4.07	12.2	4.16	12.2	4.21	12.2	4.25	12.0	4.25
		-10.5	-11	12.9	4.06	12.8	4.15	12.8	4.24	12.8	4.28	12.8	4.32	12.0	3.98
		-9.5	-10	13.2	4.10	13.1	4.18	13.1	4.27	13.1	4.31	12.9	4.23	12.0	3.86
		-8.5	-9.1	13.4	4.13	13.4	4.22	13.4	4.30	13.3	4.30	12.9	4.12	12.0	3.76
		-7.0	-7.6	13.9	4.18	13.9	4.27	13.8	4.30	13.3	4.12	12.9	3.94	12.0	3.60
		-5.0	-5.6	14.5	4.25	14.5	4.33	13.8	4.06	13.3	3.89	12.9	3.73	12.0	3.41
		-3.0	-3.7	15.1	4.31	14.6	4.18	13.8	3.86	13.3	3.70	12.9	3.54	12.0	3.24
		0.0	-0.7	15.5	4.17	14.6	3.87	13.8	3.57	13.3	3.43	12.9	3.29	12.0	3.01
		3.0	2.2	15.5	3.89	14.6	3.61	13.8	3.34	13.3	3.21	12.9	3.08	12.0	2.82
		5.0	4.1	15.5	3.72	14.6	3.46	13.8	3.20	13.3	3.08	12.9	2.95	12.0	2.71
		7.0	6	15.5	3.57	14.6	3.32	13.8	3.07	13.3	2.95	12.9	2.84	12.0	2.61
		9.0	7.9	15.5	3.43	14.6	3.19	13.8	2.96	13.3	2.84	12.9	2.73	12.0	2.51
		11.0	9.8	15.5	3.30	14.6	3.07	13.8	2.85	13.3	2.74	12.9	2.63	12.0	2.42
		13.0	11.8	15.5	3.18	14.6	2.96	13.8	2.74	13.3	2.64	12.9	2.54	12.0	2.34
		15.0	13.7	15.5	3.07	14.6	2.86	13.8	2.65	13.3	2.55	12.9	2.45	12.0	2.26
100	12.50	-19.8	-20	10.1	3.79	10.0	3.89	10.0	3.99	10.0	4.05	10.0	4.10	10.0	4.20
		-18.8	-19	10.4	3.85	10.4	3.95	10.3	4.04	10.3	4.09	10.3	4.14	10.3	4.24
		-16.7	-17	11.0	3.95	11.0	4.04	10.9	4.14	10.9	4.18	10.9	4.23	10.9	4.32
		-14.7	-15	11.6	4.04	11.6	4.13	11.6	4.22	11.5	4.26	11.5	4.31	10.9	4.02
		-12.6	-13	12.2	4.13	12.2	4.21	12.2	4.29	12.1	4.30	11.7	4.12	10.9	3.76
		-10.5	-11	12.8	4.20	12.8	4.28	12.5	4.21	12.1	4.03	11.7	3.86	10.9	3.53
		-9.5	-10	13.1	4.24	13.1	4.31	12.5	4.08	12.1	3.91	11.7	3.75	10.9	3.42
		-8.5	-9.1	13.4	4.27	13.3	4.30	12.5	3.97	12.1	3.81	11.7	3.65	10.9	3.33
		-7.0	-7.6	13.9	4.31	13.3	4.11	12.5	3.80	12.1	3.64	11.7	3.49	10.9	3.20
		-5.0	-5.6	14.1	4.19	13.3	3.89	12.5	3.59	12.1	3.45	11.7	3.31	10.9	3.03
		-3.0	-3.7	14.1	3.98	13.3	3.70	12.5	3.42	12.1	3.28	11.7	3.15	10.9	2.89
		0.0	-0.7	14.1	3.69	13.3	3.43	12.5	3.17	12.1	3.05	11.7	2.93	10.9	2.69
		3.0	2.2	14.1	3.45	13.3	3.21	12.5	2.97	12.1	2.85	11.7	2.74	10.9	2.52
		5.0	4.1	14.1	3.30	13.3	3.07	12.5	2.85	12.1	2.74	11.7	2.63	10.9	2.42
		7.0	6	14.1	3.17	13.3	2.95	12.5	2.74	12.1	2.64	11.7	2.53	10.9	2.33
		9.0	7.9	14.1	3.05	13.3	2.84	12.5	2.64	12.1	2.54	11.7	2.44	10.9	2.25
		11.0	9.8	14.1	2.94	13.3	2.74	12.5	2.54	12.1	2.45	11.7	2.35	10.9	2.17
		13.0	11.8	14.1	2.83	13.3	2.64	12.5	2.45	12.1	2.36	11.7	2.27	10.9	2.09
		15.0	13.7	14.1	2.73	13.3	2.55	12.5	2.37	12.1	2.28	11.7	2.20	10.9	2.03

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NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ4PAV1															
Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				16.0		18.0		20.0		21.0		22.0		24.0	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	11.25	-19.8	-20	10.0	3.97	10.0	4.06	10.0	4.15	10.0	4.20	10.0	4.24	9.80	4.23
		-18.8	-19	10.3	4.02	10.3	4.11	10.3	4.20	10.3	4.24	10.3	4.29	9.80	4.07
		-16.7	-17	10.9	4.11	10.9	4.20	10.9	4.28	10.9	4.32	10.5	4.13	9.80	3.77
		-14.7	-15	11.6	4.20	11.5	4.28	11.3	4.19	10.9	4.02	10.5	3.85	9.80	3.51
		-12.6	-13	12.2	4.27	12.0	4.24	11.3	3.92	10.9	3.76	10.5	3.60	9.80	3.29
		-10.5	-11	12.7	4.29	12.0	3.98	11.3	3.67	10.9	3.53	10.5	3.38	9.80	3.10
		-9.5	-10	12.7	4.16	12.0	3.86	11.3	3.56	10.9	3.42	10.5	3.28	9.80	3.01
		-8.5	-9.1	12.7	4.05	12.0	3.76	11.3	3.47	10.9	3.33	10.5	3.20	9.80	2.93
		-7.0	-7.6	12.7	3.87	12.0	3.60	11.3	3.33	10.9	3.19	10.5	3.07	9.80	2.81
		-5.0	-5.6	12.7	3.66	12.0	3.40	11.3	3.15	10.9	3.03	10.5	2.91	9.80	2.67
		-3.0	-3.7	12.7	3.49	12.0	3.24	11.3	3.00	10.9	2.89	10.5	2.77	9.80	2.55
		0.0	-0.7	12.7	3.24	12.0	3.01	11.3	2.79	10.9	2.69	10.5	2.58	9.80	2.37
		3.0	2.2	12.7	3.03	12.0	2.82	11.3	2.62	10.9	2.52	10.5	2.42	9.80	2.23
		5.0	4.1	12.7	2.90	12.0	2.71	11.3	2.51	10.9	2.42	10.5	2.33	9.80	2.15
		7.0	6	12.7	2.79	12.0	2.60	11.3	2.42	10.9	2.33	10.5	2.24	9.80	2.07
		9.0	7.9	12.7	2.69	12.0	2.51	11.3	2.33	10.9	2.25	10.5	2.16	9.80	2.00
		11.0	9.8	12.7	2.59	12.0	2.42	11.3	2.25	10.9	2.17	10.5	2.09	9.80	1.93
		13.0	11.8	12.7	2.50	12.0	2.33	11.3	2.17	10.9	2.09	10.5	2.02	9.80	1.86
		15.0	13.7	12.7	2.41	12.0	2.26	11.3	2.10	10.9	2.03	10.5	1.95	9.80	1.81
80	10.00	-19.8	-20	10.0	4.15	10.0	4.23	10.0	4.31	9.68	4.16	9.36	3.98	8.71	3.64
		-18.8	-19	10.3	4.19	10.3	4.27	10.0	4.17	9.68	4.00	9.36	3.83	8.71	3.50
		-16.7	-17	10.9	4.28	10.6	4.19	10.0	3.87	9.68	3.71	9.36	3.55	8.71	3.25
		-14.7	-15	11.3	4.21	10.6	3.90	10.0	3.60	9.68	3.46	9.36	3.32	8.71	3.04
		-12.6	-13	11.3	3.93	10.6	3.65	10.0	3.37	9.68	3.24	9.36	3.11	8.71	2.85
		-10.5	-11	11.3	3.69	10.6	3.43	10.0	3.17	9.68	3.05	9.36	2.92	8.71	2.68
		-9.5	-10	11.3	3.58	10.6	3.33	10.0	3.08	9.68	2.96	9.36	2.84	8.71	2.61
		-8.5	-9.1	11.3	3.49	10.6	3.24	10.0	3.00	9.68	2.88	9.36	2.77	8.71	2.55
		-7.0	-7.6	11.3	3.34	10.6	3.11	10.0	2.88	9.68	2.77	9.36	2.66	8.71	2.45
		-5.0	-5.6	11.3	3.16	10.6	2.94	10.0	2.73	9.68	2.63	9.36	2.53	8.71	2.32
		-3.0	-3.7	11.3	3.01	10.6	2.81	10.0	2.61	9.68	2.51	9.36	2.41	8.71	2.22
		0.0	-0.7	11.3	2.80	10.6	2.61	10.0	2.43	9.68	2.34	9.36	2.25	8.71	2.08
		3.0	2.2	11.3	2.63	10.6	2.45	10.0	2.28	9.68	2.20	9.36	2.12	8.71	1.95
		5.0	4.1	11.3	2.52	10.6	2.36	10.0	2.19	9.68	2.11	9.36	2.04	8.71	1.88
		7.0	6	11.3	2.43	10.6	2.27	10.0	2.11	9.68	2.04	9.36	1.96	8.71	1.81
		9.0	7.9	11.3	2.34	10.6	2.19	10.0	2.04	9.68	1.97	9.36	1.89	8.71	1.75
		11.0	9.8	11.3	2.26	10.6	2.11	10.0	1.97	9.68	1.90	9.36	1.83	8.71	1.70
		13.0	11.8	11.3	2.18	10.6	2.04	10.0	1.90	9.68	1.84	9.36	1.77	8.71	1.64
		15.0	13.7	11.3	2.11	10.6	1.98	10.0	1.84	9.68	1.78	9.36	1.72	8.71	1.59
70	8.75	-19.8	-20	9.87	4.27	9.31	3.96	8.75	3.66	8.47	3.51	8.19	3.36	7.63	3.08
		-18.8	-19	9.87	4.10	9.31	3.81	8.75	3.52	8.47	3.38	8.19	3.24	7.63	2.97
		-16.7	-17	9.87	3.80	9.31	3.53	8.75	3.27	8.47	3.14	8.19	3.01	7.63	2.76
		-14.7	-15	9.87	3.55	9.31	3.30	8.75	3.05	8.47	2.93	8.19	2.82	7.63	2.59
		-12.6	-13	9.87	3.32	9.31	3.09	8.75	2.86	8.47	2.75	8.19	2.64	7.63	2.43
		-10.5	-11	9.87	3.12	9.31	2.91	8.75	2.70	8.47	2.59	8.19	2.49	7.63	2.30
		-9.5	-10	9.87	3.03	9.31	2.82	8.75	2.62	8.47	2.52	8.19	2.42	7.63	2.23
		-8.5	-9.1	9.87	2.96	9.31	2.75	8.75	2.56	8.47	2.46	8.19	2.37	7.63	2.18
		-7.0	-7.6	9.87	2.84	9.31	2.64	8.75	2.46	8.47	2.37	8.19	2.27	7.63	2.10
		-5.0	-5.6	9.87	2.69	9.31	2.51	8.75	2.34	8.47	2.25	8.19	2.16	7.63	2.00
		-3.0	-3.7	9.87	2.57	9.31	2.40	8.75	2.23	8.47	2.15	8.19	2.07	7.63	1.91
		0.0	-0.7	9.87	2.39	9.31	2.24	8.75	2.08	8.47	2.01	8.19	1.94	7.63	1.79
		3.0	2.2	9.87	2.25	9.31	2.10	8.75	1.96	8.47	1.89	8.19	1.82	7.63	1.69
		5.0	4.1	9.87	2.16	9.31	2.02	8.75	1.89	8.47	1.82	8.19	1.76	7.63	1.63
		7.0	6	9.87	2.08	9.31	1.95	8.75	1.82	8.47	1.76	8.19	1.70	7.63	1.57
		9.0	7.9	9.87	2.01	9.31	1.88	8.75	1.76	8.47	1.70	8.19	1.64	7.63	1.52
		11.0	9.8	9.87	1.94	9.31	1.82	8.75	1.70	8.47	1.65	8.19	1.59	7.63	1.47
		13.0	11.8	9.87	1.88	9.31	1.76	8.75	1.65	8.47	1.59	8.19	1.54	7.63	1.43
		15.0	13.7	9.87	1.82	9.31	1.71	8.75	1.60	8.47	1.54	8.19	1.49	7.63	1.39
60	7.50	-19.8	-20	8.46	3.51	7.98	3.26	7.50	3.02	7.26	2.90	7.02	2.78	6.54	2.56
		-18.8	-19	8.46	3.37	7.98	3.14	7.50	2.91	7.26	2.79	7.02	2.68	6.54	2.47
		-16.7	-17	8.46	3.14	7.98	2.92	7.50	2.71	7.26	2.61	7.02	2.50	6.54	2.30
		-14.7	-15	8.46	2.93	7.98	2.73	7.50	2.54	7.26	2.44	7.02	2.35	6.54	2.16
		-12.6	-13	8.46	2.75	7.98	2.57	7.50	2.39	7.26	2.30	7.02	2.21	6.54	2.04
		-10.5	-11	8.46	2.59	7.98	2.42	7.50	2.25	7.26	2.17	7.02	2.09	6.54	1.93
		-9.5	-10	8.46	2.52	7.98	2.35	7.50	2.19	7.26	2.11	7.02	2.03	6.54	1.88
		-8.5	-9.1	8.46	2.46	7.98	2.30	7.50	2.14	7.26	2.06	7.02	1.99	6.54	1.84
		-7.0	-7.6	8.46	2.36	7.98	2.21	7.50	2.06	7.26	1.98	7.02	1.91	6.54	1.77
		-5.0	-5.6	8.46	2.25	7.98	2.10	7.50	1.96	7.26	1.89	7.02	1.82	6.54	1.69
		-3.0	-3.7	8.46	2.15	7.98	2.01	7.50	1.88	7.26	1.81	7.02	1.75	6.54	1.62
		0.0	-0.7	8.46	2.01	7.98	1.88	7.50	1.76	7.26	1.70	7.02	1.64	6.54	1.52
		3.0	2.2	8.46	1.89	7.98	1.77	7.50	1.66	7.26	1.60	7.02	1.55	6.54	1.44
		5.0	4.1	8.46	1.82	7.98	1.71	7.50	1.60	7.26	1.55	7.02	1.49	6.54	1.39
		7.0	6	8.46	1.76	7.98	1.65	7.50	1.55	7.26	1.49	7.02	1.44	6.54	1.34
		9.0	7.9	8.46	1.70	7.98	1.60	7.50	1.50	7.26	1.45	7.02	1.40	6.54	1.30
		11.0	9.8	8.46	1.64	7.98	1.55	7.50	1.45	7.26	1.40	7.02	1.35	6.54	1.26
		13.0	11.8	8.46	1.59	7.98	1.50	7.50	1.40	7.26	1.36	7.02	1.31	6.54	1.22
		15.0	13.7	8.46	1.54	7.98	1.45	7.50	1.36	7.26	1.32	7.02	1.28	6.54	1.19
50	6.25	-19.8	-20	7.05	2.80	6.65	2.61	6.25	2.43	6.05	2.34	5.85	2.25	5.45	2.07
		-18.8	-19	7.05	2.70	6.65	2.52	6.25	2.34	6.05	2.26	5.85	2.17	5.45	2.00
		-16.7													

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ5PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				16.0		18.0		20.0		21.0		22.0		24.0	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	20.80	-19.8	-20.0	11.1	3.10	11.0	3.29	11.0	3.47	11.0	3.57	11.0	3.66	10.9	3.85
		-18.8	-19.0	11.4	3.20	11.4	3.38	11.3	3.56	11.3	3.65	11.3	3.74	11.3	3.92
		-16.7	-17.0	12.1	3.39	12.0	3.56	12.0	3.73	12.0	3.81	11.9	3.90	11.9	4.07
		-14.7	-15.0	12.7	3.55	12.7	3.72	12.6	3.88	12.6	3.96	12.6	4.04	12.6	4.20
		-12.6	-13.0	13.4	3.70	13.3	3.86	13.3	4.01	13.3	4.08	13.3	4.16	13.2	4.31
		-10.5	-11.0	14.0	3.84	14.0	3.98	14.0	4.13	13.9	4.20	13.9	4.27	13.9	4.42
		-9.5	-10.0	14.4	3.90	14.3	4.04	14.3	4.18	14.3	4.25	14.3	4.33	14.2	4.47
		-8.5	-9.1	14.7	3.95	14.6	4.09	14.6	4.23	14.6	4.30	14.5	4.37	14.5	4.51
		-7.0	-7.6	15.2	4.04	15.1	4.17	15.1	4.31	15.1	4.37	15.0	4.44	15.0	4.58
		-5.0	-5.6	15.8	4.15	15.8	4.27	15.7	4.40	15.7	4.47	15.7	4.53	15.7	4.66
		-3.0	-3.7	16.4	4.24	16.4	4.36	16.4	4.48	16.3	4.55	16.3	4.61	16.3	4.73
		0.0	-0.7	17.4	4.37	17.4	4.49	17.4	4.60	17.3	4.66	17.3	4.72	17.3	4.83
		3.0	2.2	18.4	4.49	18.3	4.60	18.3	4.71	18.3	4.76	18.3	4.82	18.1	4.88
		5.0	4.1	19.0	4.55	19.0	4.66	18.9	4.77	18.9	4.82	18.9	4.87	18.1	4.68
		7.0	6.0	19.6	4.62	19.6	4.72	19.6	4.83	19.5	4.88	19.5	4.91	18.1	4.49
		9.0	7.9	20.3	4.68	20.2	4.78	20.2	4.88	20.1	4.92	19.5	4.72	18.1	4.32
		11.0	9.8	20.9	4.74	20.8	4.83	20.8	4.93	20.1	4.73	19.5	4.54	18.1	4.16
		13.0	11.8	21.5	4.80	21.5	4.89	20.8	4.74	20.1	4.55	19.5	4.37	18.1	4.01
		15.0	13.7	22.2	4.85	22.1	4.94	20.8	4.57	20.1	4.39	19.5	4.22	18.1	3.87
120	19.20	-19.8	-20.0	11.0	3.35	11.0	3.53	11.0	3.70	10.9	3.78	10.9	3.87	10.9	4.04
		-18.8	-19.0	11.4	3.45	11.3	3.61	11.3	3.78	11.3	3.86	11.2	3.95	11.2	4.11
		-16.7	-17.0	12.0	3.62	12.0	3.78	11.9	3.93	11.9	4.01	11.9	4.09	11.9	4.25
		-14.7	-15.0	12.7	3.77	12.6	3.92	12.6	4.07	12.6	4.14	12.6	4.22	12.5	4.36
		-12.6	-13.0	13.3	3.91	13.3	4.05	13.3	4.19	13.2	4.26	13.2	4.33	13.2	4.47
		-10.5	-11.0	14.0	4.03	14.0	4.17	13.9	4.30	13.9	4.37	13.9	4.44	13.8	4.57
		-9.5	-10.0	14.3	4.09	14.3	4.22	14.2	4.35	14.2	4.42	14.2	4.48	14.2	4.61
		-8.5	-9.1	14.6	4.14	14.6	4.27	14.5	4.40	14.5	4.46	14.5	4.53	14.5	4.65
		-7.0	-7.6	15.1	4.22	15.1	4.34	15.0	4.47	15.0	4.53	15.0	4.59	15.0	4.72
		-5.0	-5.6	15.8	4.32	15.7	4.44	15.7	4.56	15.7	4.61	15.7	4.67	15.6	4.79
		-3.0	-3.7	16.4	4.40	16.4	4.52	16.3	4.63	16.3	4.69	16.3	4.75	16.3	4.86
		0.0	-0.7	17.4	4.53	17.3	4.63	17.3	4.74	17.3	4.80	17.3	4.85	16.7	4.73
		3.0	2.2	18.3	4.63	18.3	4.74	18.3	4.84	18.2	4.89	18.0	4.83	16.7	4.42
		5.0	4.1	19.0	4.70	18.9	4.80	18.9	4.89	18.6	4.82	18.0	4.63	16.7	4.24
		7.0	6.0	19.6	4.76	19.5	4.85	19.2	4.82	18.6	4.63	18.0	4.44	16.7	4.07
		9.0	7.9	20.2	4.82	20.2	4.91	19.2	4.64	18.6	4.45	18.0	4.27	16.7	3.92
		11.0	9.8	20.8	4.87	20.4	4.82	19.2	4.46	18.6	4.29	18.0	4.12	16.7	3.78
		13.0	11.8	21.5	4.92	20.4	4.64	19.2	4.29	18.6	4.13	18.0	3.96	16.7	3.64
		15.0	13.7	21.7	4.81	20.4	4.47	19.2	4.15	18.6	3.99	18.0	3.83	16.7	3.52
110	17.60	-19.8	-20.0	11.0	3.60	10.9	3.76	10.9	3.92	10.9	4.00	10.9	4.08	10.8	4.23
		-18.8	-19.0	11.3	3.69	11.3	3.84	11.2	4.00	11.2	4.07	11.2	4.15	11.2	4.30
		-16.7	-17.0	12.0	3.85	11.9	3.99	11.9	4.14	11.9	4.21	11.9	4.28	11.8	4.42
		-14.7	-15.0	12.6	3.99	12.6	4.12	12.6	4.26	12.5	4.33	12.5	4.40	12.5	4.53
		-12.6	-13.0	13.3	4.12	13.2	4.24	13.2	4.37	13.2	4.44	13.2	4.50	13.2	4.63
		-10.5	-11.0	13.9	4.23	13.9	4.35	13.9	4.48	13.9	4.54	13.8	4.60	13.8	4.72
		-9.5	-10.0	14.3	4.28	14.2	4.40	14.2	4.52	14.2	4.58	14.2	4.64	14.1	4.76
		-8.5	-9.1	14.6	4.33	14.5	4.45	14.5	4.56	14.5	4.62	14.5	4.68	14.4	4.80
		-7.0	-7.6	15.1	4.40	15.0	4.52	15.0	4.63	15.0	4.69	15.0	4.74	14.9	4.86
		-5.0	-5.6	15.7	4.49	15.7	4.60	15.7	4.71	15.6	4.76	15.6	4.82	15.3	4.80
		-3.0	-3.7	16.3	4.57	16.3	4.68	16.3	4.78	16.3	4.83	16.2	4.88	15.3	4.57
		0.0	-0.7	17.3	4.68	17.3	4.78	17.3	4.88	17.0	4.83	16.5	4.63	15.3	4.25
		3.0	2.2	18.3	4.78	18.2	4.88	17.6	4.70	17.0	4.52	16.5	4.33	15.3	3.98
		5.0	4.1	18.9	4.84	18.7	4.87	17.6	4.51	17.0	4.33	16.5	4.16	15.3	3.82
		7.0	6.0	19.5	4.90	18.7	4.68	17.6	4.33	17.0	4.16	16.5	4.00	15.3	3.67
		9.0	7.9	19.9	4.84	18.7	4.50	17.6	4.17	17.0	4.01	16.5	3.85	15.3	3.54
		11.0	9.8	19.9	4.65	18.7	4.33	17.6	4.01	17.0	3.86	16.5	3.71	15.3	3.41
		13.0	11.8	19.9	4.48	18.7	4.17	17.6	3.87	17.0	3.72	16.5	3.57	15.3	3.29
		15.0	13.7	19.9	4.32	18.7	4.02	17.6	3.74	17.0	3.59	16.5	3.45	15.3	3.18
100	16.00	-19.8	-20.0	10.9	3.86	10.9	4.00	10.9	4.14	10.9	4.21	10.8	4.28	10.8	4.43
		-18.8	-19.0	11.3	3.93	11.2	4.07	11.2	4.21	11.2	4.28	11.2	4.35	11.1	4.49
		-16.7	-17.0	11.9	4.08	11.9	4.21	11.9	4.34	11.8	4.40	11.8	4.47	11.8	4.60
		-14.7	-15.0	12.6	4.21	12.5	4.33	12.5	4.45	12.5	4.51	12.5	4.58	12.5	4.70
		-12.6	-13.0	13.2	4.32	13.2	4.44	13.2	4.56	13.2	4.61	13.1	4.67	13.1	4.79
		-10.5	-11.0	13.9	4.43	13.9	4.54	13.8	4.65	13.8	4.70	13.8	4.76	13.8	4.87
		-9.5	-10.0	14.2	4.47	14.2	4.58	14.2	4.69	14.1	4.75	14.1	4.80	13.9	4.82
		-8.5	-9.1	14.5	4.52	14.5	4.62	14.5	4.73	14.4	4.78	14.4	4.84	13.9	4.70
		-7.0	-7.6	15.0	4.58	15.0	4.69	14.9	4.79	14.9	4.84	14.9	4.89	13.9	4.50
		-5.0	-5.6	15.7	4.67	15.6	4.76	15.6	4.86	15.5	4.86	15.0	4.66	13.9	4.27
		-3.0	-3.7	16.3	4.74	16.3	4.83	16.0	4.82	15.5	4.62	15.0	4.44	13.9	4.07
		0.0	-0.7	17.3	4.84	17.0	4.83	16.0	4.47	15.5	4.30	15.0	4.12	13.9	3.79
		3.0	2.2	18.1	4.86	17.0	4.52	16.0	4.18	15.5	4.02	15.0	3.86	13.9	3.55
		5.0	4.1	18.1	4.65	17.0	4.33	16.0	4.02	15.5	3.86	15.0	3.71	13.9	3.41
		7.0	6.0	18.1	4.47	17.0	4.16	16.0	3.86	15.5	3.71	15.0	3.57	13.9	3.28
		9.0	7.9	18.1	4.30	17.0	4.00	16.0	3.72	15.5	3.58	15.0	3.44	13.9	3.17
		11.0	9.8	18.1	4.14	17.0	3.86	16.0	3.58	15.5	3.45	15.0	3.32	13.9	3.06
		13.0	11.8	18.1	3.99	17.0	3.72	16.0	3.45	15.5	3.33	15.0	3.20	13.9	2.95
		15.0	13.7	18.1	3.85	17.0	3.59	16.0	3.34	15.5	3.22	15.0	3.10	13.9	2.86

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NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ5PAV1				TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)											
Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				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
90	14.40	-19.8	-20.0	10.9	4.11	10.8	4.23	10.8	4.36	10.8	4.43	10.8	4.49	10.8	4.62
		-18.8	-19.0	11.2	4.18	11.2	4.30	11.2	4.43	11.1	4.49	11.1	4.55	11.1	4.68
		-16.7	-17.0	11.9	4.31	11.8	4.42	11.8	4.54	11.8	4.60	11.8	4.66	11.8	4.78
		-14.7	-15.0	12.5	4.42	12.5	4.53	12.5	4.64	12.5	4.70	12.4	4.76	12.4	4.87
		-12.6	-13.0	13.2	4.53	13.2	4.63	13.1	4.74	13.1	4.79	13.1	4.84	12.6	4.64
		-10.5	-11.0	13.8	4.62	13.8	4.72	13.8	4.82	13.8	4.87	13.5	4.76	12.6	4.36
		-9.5	-10.0	14.2	4.67	14.1	4.76	14.1	4.86	13.9	4.82	13.5	4.62	12.6	4.23
		-8.5	-9.1	14.5	4.70	14.4	4.80	14.4	4.89	13.9	4.70	13.5	4.50	12.6	4.13
		-7.0	-7.6	15.0	4.76	14.9	4.86	14.4	4.69	13.9	4.50	13.5	4.32	12.6	3.96
		-5.0	-5.6	15.6	4.84	15.3	4.80	14.4	4.44	13.9	4.27	13.5	4.09	12.6	3.76
		-3.0	-3.7	16.2	4.90	15.3	4.56	14.4	4.23	13.9	4.06	13.5	3.90	12.6	3.59
		0.0	-0.7	16.3	4.56	15.3	4.24	14.4	3.93	13.9	3.78	13.5	3.64	12.6	3.34
		3.0	2.2	16.3	4.26	15.3	3.97	14.4	3.69	13.9	3.55	13.5	3.41	12.6	3.14
		5.0	4.1	16.3	4.09	15.3	3.81	14.4	3.54	13.9	3.41	13.5	3.28	12.6	3.02
		7.0	6.0	16.3	3.93	15.3	3.67	14.4	3.41	13.9	3.28	13.5	3.16	12.6	2.91
		9.0	7.9	16.3	3.79	15.3	3.53	14.4	3.29	13.9	3.16	13.5	3.05	12.6	2.81
		11.0	9.8	16.3	3.65	15.3	3.41	14.4	3.17	13.9	3.06	13.5	2.94	12.6	2.72
		13.0	11.8	16.3	3.52	15.3	3.29	14.4	3.06	13.9	2.95	13.5	2.84	12.6	2.62
		15.0	13.7	16.3	3.40	15.3	3.18	14.4	2.96	13.9	2.86	13.5	2.75	12.6	2.54
80	12.80	-19.8	-20.0	10.8	4.36	10.8	4.47	10.8	4.59	10.8	4.64	10.8	4.70	10.7	4.81
		-18.8	-19.0	11.2	4.42	11.1	4.53	11.1	4.64	11.1	4.70	11.1	4.75	11.1	4.86
		-16.7	-17.0	11.8	4.54	11.8	4.64	11.8	4.74	11.8	4.80	11.7	4.85	11.2	4.58
		-14.7	-15.0	12.5	4.64	12.4	4.74	12.4	4.84	12.4	4.87	12.0	4.67	11.2	4.28
		-12.6	-13.0	13.1	4.73	13.1	4.83	12.8	4.75	12.4	4.56	12.0	4.38	11.2	4.01
		-10.5	-11.0	13.8	4.82	13.6	4.83	12.8	4.47	12.4	4.29	12.0	4.12	11.2	3.78
		-9.5	-10.0	14.1	4.86	13.6	4.68	12.8	4.34	12.4	4.17	12.0	4.00	11.2	3.68
		-8.5	-9.1	14.4	4.89	13.6	4.56	12.8	4.23	12.4	4.06	12.0	3.90	11.2	3.59
		-7.0	-7.6	14.4	4.70	13.6	4.38	12.8	4.06	12.4	3.90	12.0	3.75	11.2	3.44
		-5.0	-5.6	14.4	4.46	13.6	4.15	12.8	3.85	12.4	3.70	12.0	3.56	11.2	3.27
		-3.0	-3.7	14.4	4.24	13.6	3.95	12.8	3.67	12.4	3.53	12.0	3.40	11.2	3.13
		0.0	-0.7	14.4	3.95	13.6	3.68	12.8	3.42	12.4	3.30	12.0	3.17	11.2	2.92
		3.0	2.2	14.4	3.70	13.6	3.45	12.8	3.21	12.4	3.10	12.0	2.98	11.2	2.75
		5.0	4.1	14.4	3.56	13.6	3.32	12.8	3.09	12.4	2.98	12.0	2.87	11.2	2.65
		7.0	6.0	14.4	3.42	13.6	3.20	12.8	2.98	12.4	2.87	12.0	2.76	11.2	2.56
		9.0	7.9	14.4	3.30	13.6	3.08	12.8	2.87	12.4	2.77	12.0	2.67	11.2	2.47
		11.0	9.8	14.4	3.18	13.6	2.98	12.8	2.78	12.4	2.68	12.0	2.58	11.2	2.39
		13.0	11.8	14.4	3.07	13.6	2.87	12.8	2.68	12.4	2.59	12.0	2.49	11.2	2.31
		15.0	13.7	14.4	2.97	13.6	2.78	12.8	2.60	12.4	2.51	12.0	2.42	11.2	2.24
70	11.20	-19.8	-20.0	10.8	4.61	10.8	4.71	10.7	4.81	10.7	4.86	10.5	4.74	9.76	4.34
		-18.8	-19.0	11.1	4.66	11.1	4.76	11.1	4.86	10.8	4.76	10.5	4.56	9.76	4.18
		-16.7	-17.0	11.8	4.76	11.7	4.86	11.2	4.60	10.8	4.42	10.5	4.24	9.76	3.89
		-14.7	-15.0	12.4	4.86	11.9	4.64	11.2	4.30	10.8	4.13	10.5	3.97	9.76	3.64
		-12.6	-13.0	12.6	4.68	11.9	4.35	11.2	4.03	10.8	3.88	10.5	3.73	9.76	3.43
		-10.5	-11.0	12.6	4.40	11.9	4.10	11.2	3.80	10.8	3.66	10.5	3.51	9.76	3.23
		-9.5	-10.0	12.6	4.27	11.9	3.98	11.2	3.69	10.8	3.55	10.5	3.42	9.76	3.15
		-8.5	-9.1	12.6	4.16	11.9	3.88	11.2	3.60	10.8	3.47	10.5	3.33	9.76	3.07
		-7.0	-7.6	12.6	4.00	11.9	3.72	11.2	3.46	10.8	3.33	10.5	3.20	9.76	2.96
		-5.0	-5.6	12.6	3.79	11.9	3.54	11.2	3.29	10.8	3.17	10.5	3.05	9.76	2.81
		-3.0	-3.7	12.6	3.62	11.9	3.38	11.2	3.14	10.8	3.03	10.5	2.91	9.76	2.69
		0.0	-0.7	12.6	3.37	11.9	3.15	11.2	2.94	10.8	2.83	10.5	2.73	9.76	2.52
		3.0	2.2	12.6	3.17	11.9	2.96	11.2	2.76	10.8	2.67	10.5	2.57	9.76	2.38
		5.0	4.1	12.6	3.05	11.9	2.85	11.2	2.66	10.8	2.57	10.5	2.48	9.76	2.29
		7.0	6.0	12.6	2.94	11.9	2.75	11.2	2.57	10.8	2.48	10.5	2.39	9.76	2.22
		9.0	7.9	12.6	2.83	11.9	2.66	11.2	2.48	10.8	2.40	10.5	2.31	9.76	2.14
		11.0	9.8	12.6	2.74	11.9	2.57	11.2	2.40	10.8	2.32	10.5	2.24	9.76	2.08
		13.0	11.8	12.6	2.65	11.9	2.48	11.2	2.32	10.8	2.24	10.5	2.16	9.76	2.01
		15.0	13.7	12.6	2.56	11.9	2.41	11.2	2.25	10.8	2.18	10.5	2.10	9.76	1.95
60	9.60	-19.8	-20.0	10.7	4.86	10.2	4.59	9.60	4.25	9.29	4.09	8.98	3.92	8.37	3.60
		-18.8	-19.0	10.8	4.75	10.2	4.42	9.60	4.10	9.29	3.94	8.98	3.78	8.37	3.48
		-16.7	-17.0	10.8	4.42	10.2	4.11	9.60	3.82	9.29	3.67	8.98	3.53	8.37	3.25
		-14.7	-15.0	10.8	4.13	10.2	3.85	9.60	3.57	9.29	3.44	8.98	3.31	8.37	3.05
		-12.6	-13.0	10.8	3.88	10.2	3.61	9.60	3.36	9.29	3.24	8.98	3.11	8.37	2.87
		-10.5	-11.0	10.8	3.65	10.2	3.41	9.60	3.17	9.29	3.06	8.98	2.94	8.37	2.72
		-9.5	-10.0	10.8	3.55	10.2	3.32	9.60	3.09	9.29	2.97	8.98	2.86	8.37	2.65
		-8.5	-9.1	10.8	3.46	10.2	3.24	9.60	3.01	9.29	2.91	8.98	2.80	8.37	2.59
		-7.0	-7.6	10.8	3.33	10.2	3.11	9.60	2.90	9.29	2.80	8.98	2.69	8.37	2.49
		-5.0	-5.6	10.8	3.17	10.2	2.96	9.60	2.76	9.29	2.66	8.98	2.57	8.37	2.38
		-3.0	-3.7	10.8	3.03	10.2	2.83	9.60	2.64	9.29	2.55	8.98	2.46	8.37	2.28
		0.0	-0.7	10.8	2.83	10.2	2.65	9.60	2.48	9.29	2.39	8.98	2.31	8.37	2.14
		3.0	2.2	10.8	2.66	10.2	2.50	9.60	2.34	9.29	2.26	8.98	2.18	8.37	2.02
		5.0	4.1	10.8	2.57	10.2	2.41	9.60	2.25	9.29	2.18	8.98	2.10	8.37	1.96
		7.0	6.0	10.8	2.48	10.2	2.33	9.60	2.18	9.29	2.11	8.98	2.03	8.37	1.89
		9.0	7.9	10.8	2.39	10.2	2.25	9.60	2.11	9.29	2.04	8.98	1.97	8.37	1.83
		11.0	9.8	10.8	2.32	10.2	2.18	9.60	2.04	9.29	1.97	8.98	1.91	8.37	1.78
		13.0	11.8	10.8	2.24	10.2	2.11	9.60	1.98	9.29	1.91	8.98	1.85	8.37	1.72
		15.0	13.7	10.8	2.17	10.2	2.05	9.60	1.92	9.29	1.86	8.98	1.80	8.37	1.68
50	8.00	-19.8	-20.0	9.03	3.95	8.51	3.68	8.00	3.42	7.74	3.29	7.49	3.17	6.97	2.92
		-18.8	-19.0	9.03	3.80	8.51	3.55	8.00	3.30	7.74	3.18	7.49	3.06	6.97	2.82
		-16.7	-17.0	9.03	3.55	8.51	3.31	8.00	3.08	7.74	2.97	7.49	2.86	6.97	2.64
		-14.7	-15.0	9.03	3.33	8.51	3.11	8.00	2.90	7.74	2.79	7.49	2.69	6.97	2.49
		-12.6	-13.0	9.03	3.13	8.51	2.93	8.00	2.73	7.74	2.64	7.49	2.54	6.97	2.35
		-10.5	-11.0	9.03	2.96	8.51	2.77	8.00	2.59	7.74	2.50	7.49	2.41	6.97	2.23
		-9.5	-10.0	9.03	2.88	8.51	2.70	8.00	2.52	7.74	2.43	7.49	2.35	6.97	2.18
		-8.5	-9.1	9.03	2.81	8.51	2.64	8.00	2.46	7.74	2.38	7.49	2.29	6.97	2.13
		-7.0	-7.6	9.03	2.71	8.51	2.54	8.00	2.37	7.74	2.29	7.49	2.21	6.97	2.05
		-5.0	-5.6	9.03	2.58	8.51	2.42	8.00	2.27	7.74	2.19	7.49	2.11	6.97	1.97
		-3.0	-3.7	9.03	2.47	8.51	2.32	8.00	2.17	7.74					

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ6PAV1

TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				16.0		18.0		20.0		21.0		22.0		24.0	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130	23.40	-19.8	-20.0	11.3	2.81	11.3	3.03	11.2	3.25	11.2	3.36	11.2	3.47	11.1	3.69
		-18.8	-19.0	11.6	2.93	11.6	3.14	11.6	3.35	11.5	3.46	11.5	3.56	11.5	3.78
		-16.7	-17.0	12.3	3.14	12.3	3.34	12.2	3.55	12.2	3.65	12.2	3.75	12.1	3.95
		-14.7	-15.0	13.0	3.34	12.9	3.53	12.9	3.72	12.9	3.81	12.8	3.91	12.8	4.10
		-12.6	-13.0	13.6	3.51	13.6	3.69	13.6	3.88	13.5	3.97	13.5	4.06	13.5	4.24
		-10.5	-11.0	14.3	3.67	14.3	3.84	14.2	4.02	14.2	4.10	14.2	4.19	14.1	4.36
		-9.5	-10.0	14.6	3.75	14.6	3.91	14.6	4.08	14.5	4.17	14.5	4.25	14.5	4.42
		-8.5	-9.1	14.9	3.81	14.9	3.97	14.9	4.14	14.8	4.22	14.8	4.30	14.8	4.47
		-7.0	-7.6	15.4	3.91	15.4	4.07	15.4	4.23	15.3	4.31	15.3	4.39	15.3	4.55
		-5.0	-5.6	16.1	4.03	16.1	4.19	16.0	4.34	16.0	4.41	16.0	4.49	15.9	4.64
		-3.0	-3.7	16.7	4.14	16.7	4.29	16.7	4.44	16.6	4.51	16.6	4.58	16.6	4.73
		0.0	-0.7	17.7	4.30	17.7	4.44	17.7	4.57	17.6	4.64	17.6	4.71	17.6	4.85
		3.0	2.2	18.7	4.43	18.7	4.57	18.6	4.70	18.6	4.76	18.6	4.83	18.5	4.96
		5.0	4.1	19.3	4.52	19.3	4.64	19.3	4.77	19.2	4.83	19.2	4.89	19.2	5.02
		7.0	6.0	20.0	4.59	19.9	4.71	19.9	4.84	19.9	4.90	19.9	4.96	19.8	5.08
		9.0	7.9	20.6	4.66	20.6	4.78	20.5	4.90	20.5	4.96	20.5	5.02	20.4	5.11
		11.0	9.8	21.3	4.73	21.2	4.85	21.2	4.96	21.1	5.02	21.1	5.08	20.4	4.93
		13.0	11.8	21.9	4.80	21.9	4.91	21.8	5.02	21.8	5.08	21.8	5.13	20.4	4.74
		15.0	13.7	22.6	4.86	22.5	4.97	22.5	5.07	22.4	5.13	21.9	4.99	20.4	4.58
120	21.60	-19.8	-20.0	11.2	3.10	11.2	3.31	11.2	3.51	11.2	3.61	11.1	3.71	11.1	3.91
		-18.8	-19.0	11.6	3.21	11.5	3.41	11.5	3.61	11.5	3.71	11.5	3.80	11.4	4.00
		-16.7	-17.0	12.2	3.42	12.2	3.60	12.2	3.79	12.2	3.88	12.1	3.97	12.1	4.16
		-14.7	-15.0	12.9	3.60	12.9	3.77	12.8	3.95	12.8	4.03	12.8	4.12	12.8	4.30
		-12.6	-13.0	13.6	3.76	13.5	3.92	13.5	4.09	13.5	4.17	13.5	4.26	13.4	4.42
		-10.5	-11.0	14.3	3.90	14.2	4.06	14.2	4.22	14.2	4.30	14.1	4.38	14.1	4.54
		-9.5	-10.0	14.6	3.97	14.5	4.13	14.5	4.28	14.5	4.36	14.5	4.44	14.4	4.59
		-8.5	-9.1	14.9	4.03	14.8	4.18	14.8	4.34	14.8	4.41	14.8	4.49	14.7	4.64
		-7.0	-7.6	15.4	4.13	15.3	4.27	15.3	4.42	15.3	4.49	15.3	4.56	15.2	4.71
		-5.0	-5.6	16.1	4.24	16.0	4.38	16.0	4.52	16.0	4.59	15.9	4.66	15.9	4.80
		-3.0	-3.7	16.7	4.34	16.6	4.48	16.6	4.61	16.6	4.68	16.6	4.75	16.5	4.88
		0.0	-0.7	17.7	4.49	17.7	4.61	17.6	4.74	17.6	4.80	17.6	4.87	17.5	4.99
		3.0	2.2	18.7	4.61	18.6	4.73	18.6	4.85	18.6	4.91	18.5	4.97	18.5	5.09
		5.0	4.1	19.3	4.69	19.3	4.80	19.2	4.92	19.2	4.98	19.2	5.04	18.8	5.02
		7.0	6.0	19.9	4.76	19.9	4.87	19.9	4.98	19.8	5.04	19.8	5.09	18.8	4.82
		9.0	7.9	20.6	4.82	20.5	4.93	20.5	5.04	20.5	5.10	20.2	5.06	18.8	4.64
		11.0	9.8	21.2	4.89	21.2	4.99	21.1	5.10	20.9	5.08	20.2	4.87	18.8	4.47
		13.0	11.8	21.9	4.95	21.8	5.05	21.6	5.08	20.9	4.89	20.2	4.69	18.8	4.31
		15.0	13.7	22.5	5.00	22.5	5.10	21.6	4.91	20.9	4.72	20.2	4.53	18.8	4.17
110	19.80	-19.8	-20.0	11.2	3.40	11.2	3.59	11.1	3.77	11.1	3.86	11.1	3.96	11.1	4.14
		-18.8	-19.0	11.5	3.50	11.5	3.68	11.5	3.86	11.4	3.95	11.4	4.04	11.4	4.22
		-16.7	-17.0	12.2	3.69	12.2	3.86	12.1	4.03	12.1	4.11	12.1	4.20	12.1	4.37
		-14.7	-15.0	12.9	3.85	12.8	4.01	12.8	4.17	12.8	4.25	12.8	4.34	12.7	4.50
		-12.6	-13.0	13.5	4.00	13.5	4.15	13.5	4.31	13.4	4.38	13.4	4.46	13.4	4.61
		-10.5	-11.0	14.2	4.14	14.2	4.28	14.1	4.43	14.1	4.50	14.1	4.57	14.1	4.72
		-9.5	-10.0	14.5	4.20	14.5	4.34	14.5	4.48	14.4	4.55	14.4	4.63	14.4	4.77
		-8.5	-9.1	14.8	4.25	14.8	4.39	14.8	4.53	14.7	4.60	14.7	4.67	14.7	4.81
		-7.0	-7.6	15.3	4.34	15.3	4.47	15.3	4.61	15.2	4.68	15.2	4.74	15.2	4.88
		-5.0	-5.6	16.0	4.45	16.0	4.57	15.9	4.70	15.9	4.77	15.9	4.83	15.9	4.96
		-3.0	-3.7	16.6	4.54	16.6	4.66	16.6	4.79	16.5	4.85	16.5	4.91	16.5	5.03
		0.0	-0.7	17.6	4.67	17.6	4.79	17.6	4.90	17.5	4.96	17.5	5.02	17.3	5.03
		3.0	2.2	18.6	4.79	18.6	4.90	18.5	5.01	18.5	5.06	18.5	5.12	17.3	4.71
		5.0	4.1	19.2	4.86	19.2	4.96	19.2	5.07	19.1	5.12	18.5	4.92	17.3	4.52
		7.0	6.0	19.9	4.92	19.8	5.02	19.8	5.13	19.2	4.93	18.5	4.73	17.3	4.35
		9.0	7.9	20.5	4.98	20.5	5.08	19.8	4.93	19.2	4.74	18.5	4.55	17.3	4.19
		11.0	9.8	21.1	5.04	21.1	5.13	19.8	4.75	19.2	4.57	18.5	4.39	17.3	4.04
		13.0	11.8	21.8	5.10	21.1	4.93	19.8	4.58	19.2	4.40	18.5	4.23	17.3	3.89
		15.0	13.7	22.3	5.12	21.1	4.76	19.8	4.42	19.2	4.26	18.5	4.09	17.3	3.77
100	18.00	-19.8	-20.0	11.1	3.70	11.1	3.87	11.1	4.03	11.1	4.12	11.0	4.20	11.0	4.37
		-18.8	-19.0	11.5	3.79	11.4	3.95	11.4	4.12	11.4	4.20	11.4	4.28	11.3	4.44
		-16.7	-17.0	12.1	3.96	12.1	4.11	12.1	4.27	12.1	4.34	12.0	4.42	12.0	4.58
		-14.7	-15.0	12.8	4.11	12.8	4.26	12.7	4.40	12.7	4.48	12.7	4.55	12.7	4.69
		-12.6	-13.0	13.5	4.25	13.4	4.38	13.4	4.52	13.4	4.59	13.4	4.66	13.3	4.80
		-10.5	-11.0	14.1	4.37	14.1	4.50	14.1	4.63	14.1	4.70	14.0	4.77	14.0	4.90
		-9.5	-10.0	14.5	4.43	14.4	4.56	14.4	4.68	14.4	4.75	14.4	4.81	14.3	4.94
		-8.5	-9.1	14.8	4.48	14.7	4.60	14.7	4.73	14.7	4.79	14.7	4.85	14.6	4.98
		-7.0	-7.6	15.3	4.55	15.2	4.68	15.2	4.80	15.2	4.86	15.2	4.92	15.1	5.04
		-5.0	-5.6	15.9	4.65	15.9	4.77	15.9	4.88	15.9	4.94	15.8	5.00	15.7	5.05
		-3.0	-3.7	16.6	4.74	16.5	4.85	16.5	4.96	16.5	5.02	16.5	5.07	15.7	4.81
		0.0	-0.7	17.6	4.86	17.5	4.96	17.5	5.07	17.4	5.09	16.8	4.88	15.7	4.48
		3.0	2.2	18.5	4.96	18.5	5.06	18.0	4.95	17.4	4.76	16.8	4.57	15.7	4.20
		5.0	4.1	19.2	5.03	19.1	5.12	18.0	4.75	17.4	4.57	16.8	4.39	15.7	4.04
		7.0	6.0	19.8	5.09	19.2	4.93	18.0	4.57	17.4	4.40	16.8	4.22	15.7	3.89
		9.0	7.9	20.3	5.09	19.2	4.74	18.0	4.40	17.4	4.23	16.8	4.07	15.7	3.75
		11.0	9.8	20.3	4.90	19.2	4.57	18.0	4.24	17.4	4.08	16.8	3.93	15.7	3.62
		13.0	11.8	20.3	4.72	19.2	4.40	18.0	4.09	17.4	3.94	16.8	3.79	15.7	3.49
		15.0	13.7	20.3	4.56	19.2	4.25	18.0	3.96	17.4	3.81	16.8	3.66	15.7	3.38

4TW30372-2

NOTE

- The above table shows the average value of conditions which may occur.

3 Capacity tables

3 - 2 Heating capacity tables

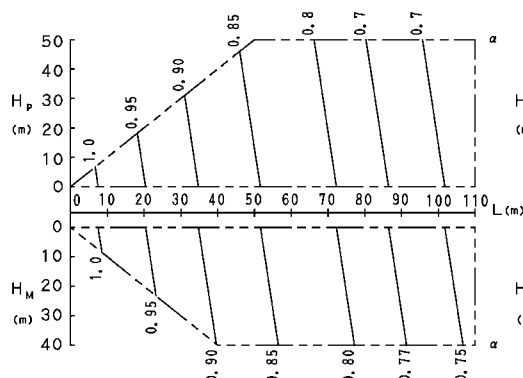
RXYSQ6PAV1				TC: Total capacity (kW); PI: Power Input (kW) (Compressor + Outdoor fan motor)											
Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temp. (°CWB)											
				16.0		18.0		20.0		21.0		22.0		24.0	
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
90	16.20	-19.8	-20.0	11.1	3.99	11.1	4.15	11.0	4.30	11.0	4.37	11.0	4.45	11.0	4.60
		-18.8	-19.0	11.4	4.08	11.4	4.22	11.4	4.37	11.3	4.45	11.3	4.52	11.3	4.67
		-16.7	-17.0	12.1	4.23	12.1	4.37	12.0	4.51	12.0	4.58	12.0	4.65	12.0	4.79
		-14.7	-15.0	12.7	4.37	12.7	4.50	12.7	4.63	12.7	4.70	12.7	4.76	12.6	4.89
		-12.6	-13.0	13.4	4.49	13.4	4.61	13.4	4.74	13.3	4.80	13.3	4.86	13.3	4.99
		-10.5	-11.0	14.1	4.60	14.1	4.72	14.0	4.84	14.0	4.90	14.0	4.96	14.0	5.08
		-9.5	-10.0	14.4	4.65	14.4	4.77	14.4	4.88	14.3	4.94	14.3	5.00	14.1	5.01
		-8.5	-9.1	14.7	4.70	14.7	4.81	14.7	4.92	14.6	4.98	14.6	5.04	14.1	4.89
		-7.0	-7.6	15.2	4.77	15.2	4.88	15.2	4.99	15.1	5.04	15.1	5.10	14.1	4.69
		-5.0	-5.6	15.9	4.86	15.9	4.96	15.8	5.07	15.7	5.05	15.2	4.85	14.1	4.45
		-3.0	-3.7	16.5	4.93	16.5	5.03	16.2	5.01	15.7	4.81	15.2	4.62	14.1	4.25
		0.0	-0.7	17.5	5.04	17.2	5.02	16.2	4.66	15.7	4.48	15.2	4.30	14.1	3.96
		3.0	2.2	18.3	5.05	17.2	4.70	16.2	4.37	15.7	4.20	15.2	4.04	14.1	3.72
		5.0	4.1	18.3	4.84	17.2	4.51	16.2	4.19	15.7	4.04	15.2	3.88	14.1	3.58
		7.0	6.0	18.3	4.66	17.2	4.34	16.2	4.04	15.7	3.89	15.2	3.74	14.1	3.45
		9.0	7.9	18.3	4.48	17.2	4.18	16.2	3.89	15.7	3.75	15.2	3.61	14.1	3.33
		11.0	9.8	18.3	4.32	17.2	4.03	16.2	3.75	15.7	3.62	15.2	3.48	14.1	3.22
13.0	11.8	18.3	4.17	17.2	3.89	16.2	3.62	15.7	3.49	15.2	3.36	14.1	3.11		
15.0	13.7	18.3	4.03	17.2	3.76	16.2	3.51	15.7	3.38	15.2	3.26	14.1	3.01		
80	14.40	-19.8	-20.0	11.0	4.29	11.0	4.43	11.0	4.56	11.0	4.63	10.9	4.70	10.9	4.83
		-18.8	-19.0	11.4	4.36	11.3	4.50	11.3	4.63	11.3	4.69	11.3	4.76	11.3	4.89
		-16.7	-17.0	12.0	4.50	12.0	4.62	12.0	4.75	12.0	4.81	11.9	4.87	11.9	5.00
		-14.7	-15.0	12.7	4.62	12.7	4.74	12.6	4.86	12.6	4.92	12.6	4.97	12.6	5.07
		-12.6	-13.0	13.4	4.73	13.3	4.84	13.3	4.96	13.3	5.01	13.3	5.07	12.6	4.75
		-10.5	-11.0	14.0	4.83	14.0	4.94	14.0	5.04	13.9	5.08	13.5	4.88	12.6	4.48
		-9.5	-10.0	14.4	4.88	14.3	4.98	14.3	5.09	13.9	4.94	13.5	4.74	12.6	4.35
		-8.5	-9.1	14.7	4.92	14.6	5.02	14.4	5.01	13.9	4.81	13.5	4.62	12.6	4.24
		-7.0	-7.6	15.2	4.98	15.1	5.08	14.4	4.80	13.9	4.62	13.5	4.44	12.6	4.08
		-5.0	-5.6	15.8	5.06	15.3	4.91	14.4	4.56	13.9	4.38	13.5	4.21	12.6	3.88
		-3.0	-3.7	16.3	5.03	15.3	4.68	14.4	4.35	13.9	4.18	13.5	4.02	12.6	3.70
		0.0	-0.7	16.3	4.68	15.3	4.36	14.4	4.05	13.9	3.90	13.5	3.75	12.6	3.46
		3.0	2.2	16.3	4.38	15.3	4.09	14.4	3.81	13.9	3.67	13.5	3.53	12.6	3.26
		5.0	4.1	16.3	4.21	15.3	3.93	14.4	3.66	13.9	3.53	13.5	3.40	12.6	3.14
		7.0	6.0	16.3	4.05	15.3	3.79	14.4	3.53	13.9	3.40	13.5	3.27	12.6	3.03
		9.0	7.9	16.3	3.90	15.3	3.65	14.4	3.40	13.9	3.28	13.5	3.16	12.6	2.92
		11.0	9.8	16.3	3.77	15.3	3.53	14.4	3.29	13.9	3.17	13.5	3.06	12.6	2.83
13.0	11.8	16.3	3.64	15.3	3.40	14.4	3.18	13.9	3.06	13.5	2.95	12.6	2.74		
15.0	13.7	16.3	3.52	15.3	3.30	14.4	3.08	13.9	2.97	13.5	2.86	12.6	2.65		
70	12.60	-19.8	-20.0	11.0	4.59	10.9	4.71	10.9	4.82	10.9	4.88	10.9	4.94	10.9	5.06
		-18.8	-19.0	11.3	4.65	11.3	4.77	11.3	4.88	11.2	4.94	11.2	5.00	11.0	4.95
		-16.7	-17.0	12.0	4.77	11.9	4.88	11.9	4.99	11.9	5.04	11.8	5.02	11.0	4.61
		-14.7	-15.0	12.6	4.88	12.6	4.98	12.6	5.08	12.2	4.89	11.8	4.70	11.0	4.31
		-12.6	-13.0	13.3	4.98	13.3	5.07	12.6	4.78	12.2	4.59	11.8	4.41	11.0	4.06
		-10.5	-11.0	14.0	5.06	13.4	4.85	12.6	4.50	12.2	4.33	11.8	4.16	11.0	3.83
		-9.5	-10.0	14.2	5.06	13.4	4.71	12.6	4.37	12.2	4.21	11.8	4.04	11.0	3.73
		-8.5	-9.1	14.2	4.93	13.4	4.59	12.6	4.27	12.2	4.10	11.8	3.95	11.0	3.64
		-7.0	-7.6	14.2	4.73	13.4	4.41	12.6	4.10	12.2	3.94	11.8	3.79	11.0	3.50
		-5.0	-5.6	14.2	4.49	13.4	4.19	12.6	3.89	12.2	3.75	11.8	3.61	11.0	3.33
		-3.0	-3.7	14.2	4.28	13.4	4.00	12.6	3.72	12.2	3.58	11.8	3.45	11.0	3.19
		0.0	-0.7	14.2	3.99	13.4	3.73	12.6	3.48	12.2	3.35	11.8	3.23	11.0	2.99
		3.0	2.2	14.2	3.75	13.4	3.51	12.6	3.27	12.2	3.16	11.8	3.04	11.0	2.82
		5.0	4.1	14.2	3.61	13.4	3.38	12.6	3.15	12.2	3.04	11.8	2.93	11.0	2.72
		7.0	6.0	14.2	3.48	13.4	3.26	12.6	3.04	12.2	2.93	11.8	2.83	11.0	2.62
		9.0	7.9	14.2	3.35	13.4	3.14	12.6	2.94	12.2	2.84	11.8	2.74	11.0	2.54
		11.0	9.8	14.2	3.24	13.4	3.04	12.6	2.84	12.2	2.74	11.8	2.65	11.0	2.46
13.0	11.8	14.2	3.13	13.4	2.94	12.6	2.75	12.2	2.66	11.8	2.56	11.0	2.38		
15.0	13.7	14.2	3.03	13.4	2.85	12.6	2.67	12.2	2.58	11.8	2.49	11.0	2.31		
60	10.80	-19.8	-20.0	10.9	4.88	10.9	4.99	10.8	5.03	10.5	4.84	10.1	4.64	9.41	4.27
		-18.8	-19.0	11.2	4.94	11.2	5.04	10.8	4.85	10.5	4.66	10.1	4.48	9.41	4.12
		-16.7	-17.0	11.9	5.04	11.5	4.87	10.8	4.52	10.5	4.35	10.1	4.18	9.41	3.84
		-14.7	-15.0	12.2	4.89	11.5	4.55	10.8	4.23	10.5	4.07	10.1	3.91	9.41	3.61
		-12.6	-13.0	12.2	4.59	11.5	4.28	10.8	3.98	10.5	3.83	10.1	3.69	9.41	3.40
		-10.5	-11.0	12.2	4.32	11.5	4.04	10.8	3.76	10.5	3.62	10.1	3.48	9.41	3.22
		-9.5	-10.0	12.2	4.20	11.5	3.93	10.8	3.66	10.5	3.52	10.1	3.39	9.41	3.13
		-8.5	-9.1	12.2	4.10	11.5	3.83	10.8	3.57	10.5	3.44	10.1	3.31	9.41	3.06
		-7.0	-7.6	12.2	3.94	11.5	3.68	10.8	3.43	10.5	3.31	10.1	3.19	9.41	2.95
		-5.0	-5.6	12.2	3.75	11.5	3.51	10.8	3.27	10.5	3.15	10.1	3.04	9.41	2.81
		-3.0	-3.7	12.2	3.58	11.5	3.35	10.8	3.13	10.5	3.02	10.1	2.91	9.41	2.70
		0.0	-0.7	12.2	3.35	11.5	3.14	10.8	2.93	10.5	2.83	10.1	2.73	9.41	2.53
		3.0	2.2	12.2	3.15	11.5	2.96	10.8	2.77	10.5	2.67	10.1	2.58	9.41	2.40
		5.0	4.1	12.2	3.04	11.5	2.85	10.8	2.67	10.5	2.58	10.1	2.49	9.41	2.31
		7.0	6.0	12.2	2.93	11.5	2.75	10.8	2.58	10.5	2.49	10.1	2.41	9.41	2.24
		9.0	7.9	12.2	2.83	11.5	2.66	10.8	2.50	10.5	2.41	10.1	2.33	9.41	2.17
		11.0	9.8	12.2	2.74	11.5	2.58	10.8	2.42	10.5	2.34	10.1	2.26	9.41	2.10
13.0	11.8	12.2	2.65	11.5	2.50	10.8	2.34	10.5	2.27	10.1	2.19	9.41	2.04		
15.0	13.7	12.2	2.57	11.5	2.42	10.8	2.27	10.5	2.20	10.1	2.13	9.41	1.98		
50	9.00	-19.8	-20.0	10.2	4.67	9.58	4.36	9.00	4.05	8.71	3.90	8.42	3.75	7.84	3.46
		-18.8	-19.0	10.2	4.50	9.58	4.20	9.00	3.91	8.71	3.76	8.42	3.62	7.84	3.34
		-16.7	-17.0	10.2	4.20	9.58	3.92	9.00	3.65	8.71	3.52	8.42	3.39	7.84	3.13
		-14.7	-15.0	10.2	3.94	9.58	3.68	9.00	3.43	8.71	3.31	8.42	3.18	7.84	2.95
		-12.6	-13.0	10.2	3.71	9.58	3.47	9.00	3.23	8.71	3.12	8.42	3.01	7.84	2.78
		-10.5	-11.0	10.2	3.50	9.58	3.28	9.00	3.06	8.71	2.96	8.42	2.85	7.84	2.64
		-9.5	-10.0	10.2	3.41	9.58	3.19	9.00	2.98	8.71	2.88	8.42	2.78	7.84	2.58
		-8.5	-9.1	10.2	3.33	9.58	3.12	9.00	2.92	8.71	2.82	8.42	2.72	7.84	2.52
		-7.0	-7.6	10.2	3.21	9.58	3.01	9.00	2.81	8.71	2.72	8.42	2.62	7.84	2.43
		-5.0	-5.6	10.2	3.06	9.58	2.87	9.00	2.68	8.71	2.59	8.42	2.50	7.84	2.33
		-3.0	-3.7	10.2	2.93	9.58	2.75	9.00							

3 Capacity tables

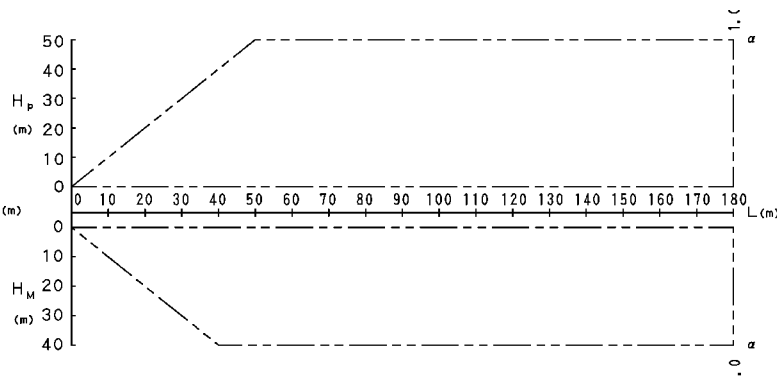
3 - 3 Capacity correction factor

RXYSQ4,5PAV1/PAY1

- Rate of change in cooling capacity



- Rate of change in heating capacity



- Rate of change in heating capacity

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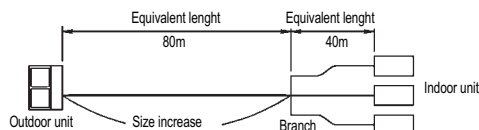
NOTES

- 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.
- Method of calculating cooling / heating capacity (max, capacity for combination with standard indoor unit)
 $\text{Cooling/Heating Capacity} = \text{Cooling/Heating Capacity obtained from performance characteristics table} \times \text{each capacity rate of change}$
 In the case length of piping differs depending on the indoor unit, maximum capacity of each unit during simultaneous operation is:
 $\text{Cooling/Heating Capacity} = \text{Cooling/Heating Capacity of each unit} \times \text{capacity rate of change for each piping length}$
 < As for RXYMQ4, 5MV4A * RXYSQ4, 5MV7V3B * RXYMQ4,5MVL * RXYMQ4,5PV4A * RXYMQ4P,5PVE * RXYMQ4P,5PVE * RXYSQ4, 5P7V3B * RXYSQ4,5P7Y1B * RXYSQ4,5PA7V1B * RXYSQ4,5PA7Y1B >
- When overall equivalent pipe length is 90 or more, the diameter of the main gas pipes (Outdoor unit-branch sections) must be increased.
 [Diameter of above case]

Model	gas	liquid
RXYMQ4,5MV4A	RXYMQ4,5PV4A, VE	
RXYSQ4,5MV7V3B	RXYMQ4,5PVE	
RXYMQ4,5MVL	RXYSQ4,5P7V3B	
RXYSQ4,5P7Y1B	RXYSQ4,5PA7V1B	
	RXYSQ4,5PA7Y1B	
	ø 19.1	Not Increased

- When the main sections of the interunit gas pipe diameters are increased the overall equivalent length should be calculated as follows.
 $\text{Overall equivalent length} = (\text{Equivalent length to main pipe}) \times 0.5 + (\text{Equivalent length after branching})$
 Example: RXYMQ4, 5MV4A

RXYSQ4, 5MV7V3B
 RXYMQ4,5MVL
 RXYMQ4,5PV4A, VE
 RXYMQ4P,5PVE
 RXYSQ4, 5P7V3B
 RXYSQ4,5P7Y1B
 RXYSQ4,5PA7V1B
 RXYSQ4,5PA7Y1B>



In the above case

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

The correction factor in capacity when $H_p=0\text{m}$ is thus approximately 0.78.

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

[Diameter of pipes]

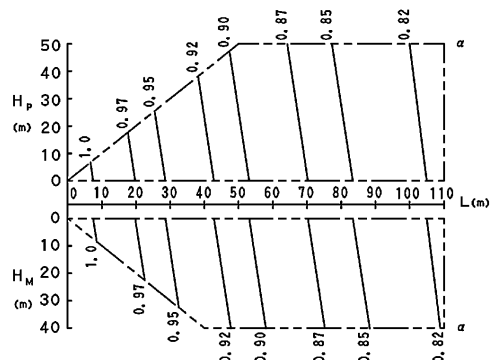
Model	gas	liquid
RXYMQ4,5MV4A		
RXYSQ4,5MV7V3B		
RXYMQ4,5MVL		
RXYMQ4,5PV4A, VE		
RXYMQ4,5PVE	ø 15.9	ø 9.5
RXYSQ4,5P7V3B		
RXYSQ4,5P7Y1B		
RXYSQ4,5PA7V1B		
RXYSQ4,5PA7Y1B		

3 Capacity tables

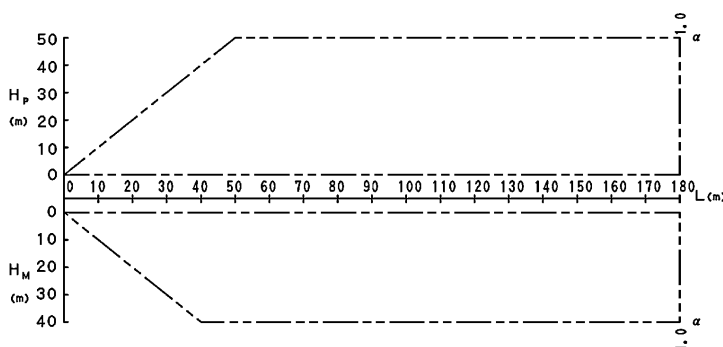
3 - 3 Capacity correction factor

RXYSQ6PAV1/PAY1

- Rate of change in cooling capacity



- Rate of change in heating capacity



- Rate of change in heating capacity

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NOTES

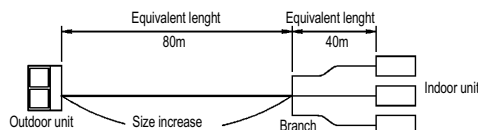
- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions.
Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- 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 of each unit x capacity rate of change for each piping length
< As for RXYMQ6MV4A * RXYSQ6MV7V3B * RXYMQ6MVL * RXYMQ6PV4A * RXYMQ6PVE * RXYMQ6PVE * RXYSQ6P7V3B * RXYSQ6P7Y1B * RXYSQ6PA7V1B * RXYSQ6PA7Y1B >
- When overall equivalent pipe length is 90 or more, the diameter of the main gas pipes (Outdoor unit-branch sections) must be increased.
[Diameter of above case]

Model	gas	liquid
RXYSQ6MV4A	ø 22.2	Not Increased
RXYSQ6MV7V3B		
RXYSQ6MVL		
RXYSQ6P7Y1B		
RXYSQ6PA7V1B		

- When the main sections 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)

Example: RXYMQ6MV4A

RXYSQ6MV7V3B
RXYSQ6MVL
RXYSQ6PV4A, VE
RXYSQ6PVE
RXYSQ6P7V3B
RXYSQ6P7Y1B
RXYSQ6PA7V1B
RXYSQ6PA7Y1B>



In the above case

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

The correction factor in capacity when $H_p=0m$ 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

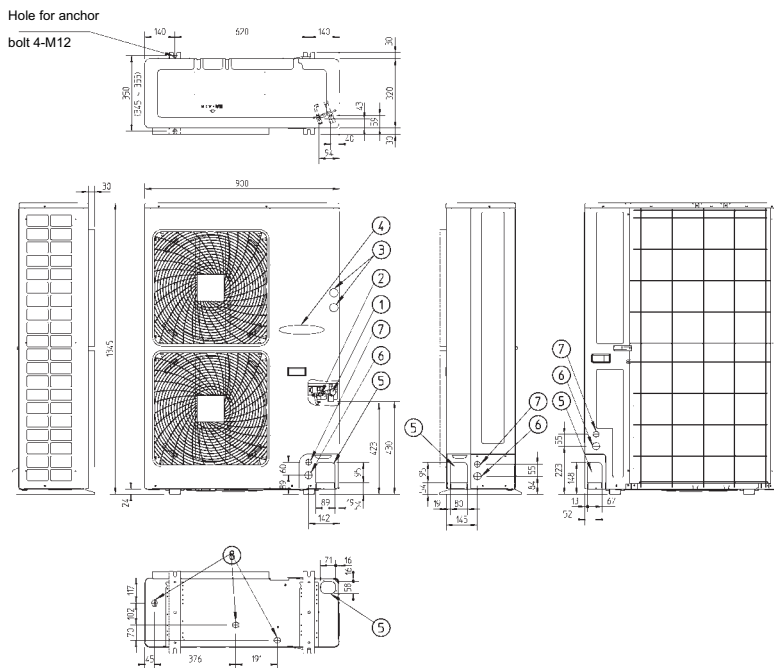
[Diameter of pipes]

Model	gas	liquid
RXYSQ6MV4A	ø 19.1	ø 9.5
RXYSQ6MV7V3B		
RXYSQ6MVL		
RXYSQ6PV4A, VE		
RXYSQ6PVE		
RXYSQ6P7V3B		
RXYSQ6P7Y1B		
RXYSQ6PA7V1B		

4 Dimensional drawing & centre of gravity

4 - 1 Dimensional drawing

RXYSQ-PAV1/PAY1



MODEL	A
RXYSQ4PA7V1B	Ø15.9 FLARE
RXYSQ5PA7V1B	Ø15.9 FLARE
RXYSQ6PA7V1B	Ø19.1 BRAZING
RXYSQ4PA7Y1B	Ø15.9 FLARE
RXYSQ5PA7Y1B	Ø15.9 FLARE
RXYSQ6PA7Y1B	Ø19.1 BRAZING

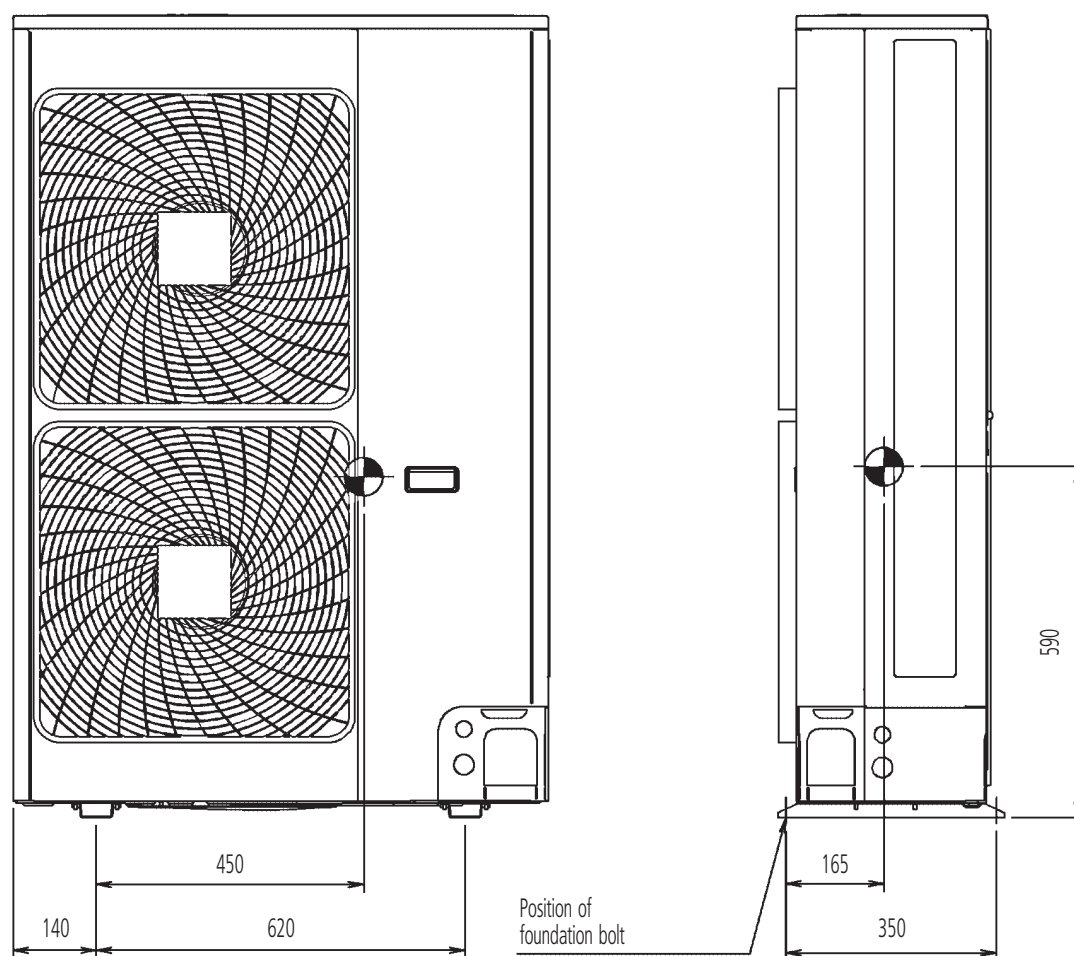
1	Gas pipe connection A
2	Liquid connection pipe Ø9.5 flare
3	Service Port (in the unit) (2x)
4	Electronic connection and grounding terminal M5 (in switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knock hole Ø34)
7	Control wiring intake (knock hole Ø27)
8	Drain outlet

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4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity

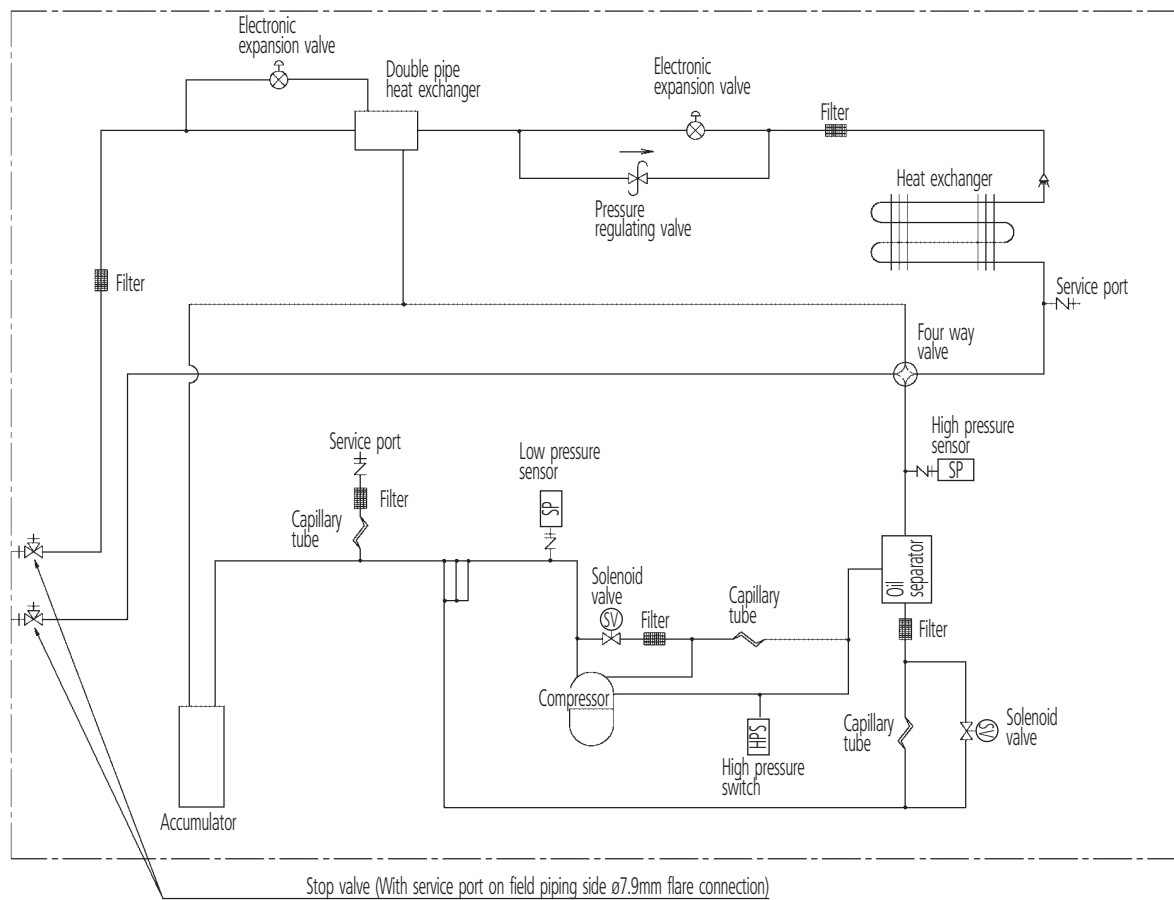
RXYSQ-PV



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5 Piping diagram

RXYSQ-PV

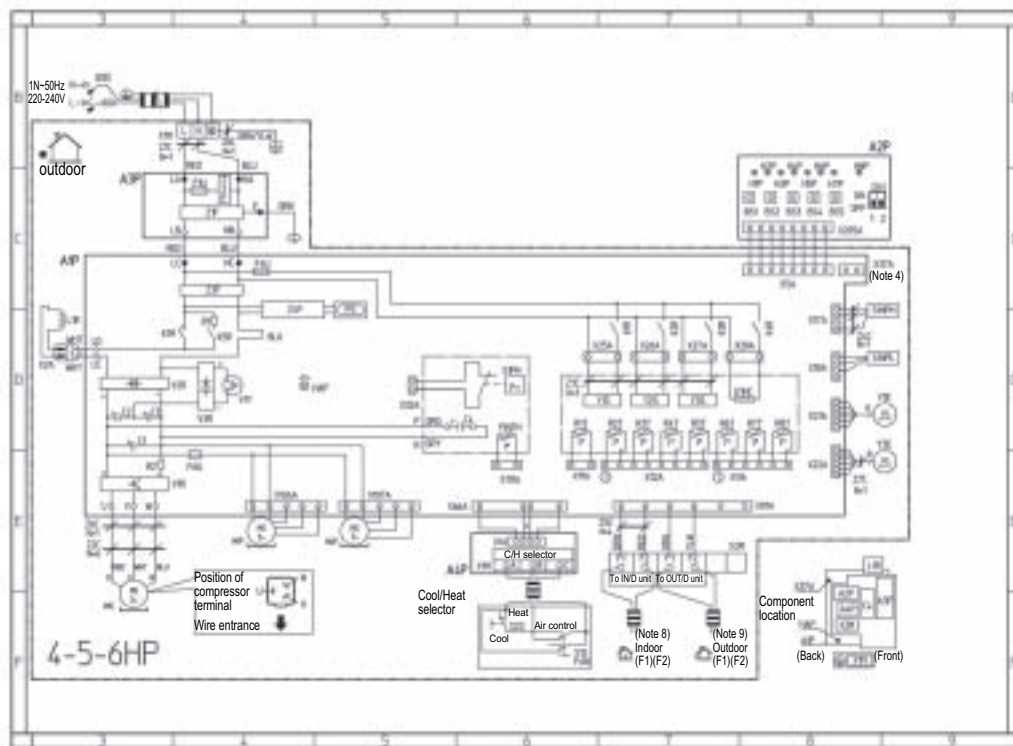


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6 Wiring diagram

6 - 1 Wiring diagram

RXYSQ-PAV1



Cool/Heat Selector		HAP	Light Emitting Diode	R6T	Thermistor (Subcooling H.EX)
S1S	Selector switch (Fan / Cool - Heat)	(A1P)	(Service Monitor Green)	R7T	Thermistor (Liquid pipe 1)
S2S	Selector switch (Cool - Heat)	K1M	Magnetic contactor (M1C)	R8T	Thermistor (Liquid pipe 2)
Connector of Option Adaptor		K1R	Magnetic Relay (Y1S)	S1NPH	Pressure Sensor (High)
X37A	Connector (Option Adaptor Power Supply)	K2R	Magnetic Relay (Y2S)	S1NPL	Pressure Sensor (Low)
A1P	Printed Circuit Board (Main)	K3R	Magnetic Relay (Y3S)	S1PH	Pressure Switch (high)
A2P	Printed Circuit Board (Inv.)	K4R	Magnetic Relay (E1HC)	V1R	Power Module
A3P	Printed Circuit Board (Noise Filter)	K5R	Magnetic Relay	V2R,V3R	Diode Module
A4P	Printed Circuit Board (C/H 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 (C/H Selector)(A4P)
E1HC	Crankcase heater	PS	Switching Power Supply	Y1E	Electronic Expansion Valve (Main)
F1, F4U	Fuse (T 6.3A / 250V)	Q1DI	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)	R1T	Thermistor (Air)	Y3S	Solenoid Valve (U/L Circuit)
	Prepare, Test Flickering	R2T	Thermistor (Suction 1)	Z1C-Z8C	Noise filter (Ferrity Core)
	Malfunction detection Light up	R4T	Thermistor (Heat Exchanger)	Z1F-Z4F	Noise Filter
		R5T	Thermistor (Suction 2)		



: Terminal strip



: Connector



: Connection



: Field wiring



: Protective earth (Screw)



: Terminal



: Noiseless earth



: Relay connector

Colors:

BLU: Blue
RED: Red
ORG: Orange

BRN: Brown
WHT: White

GRN: Green
YLW: Yellow

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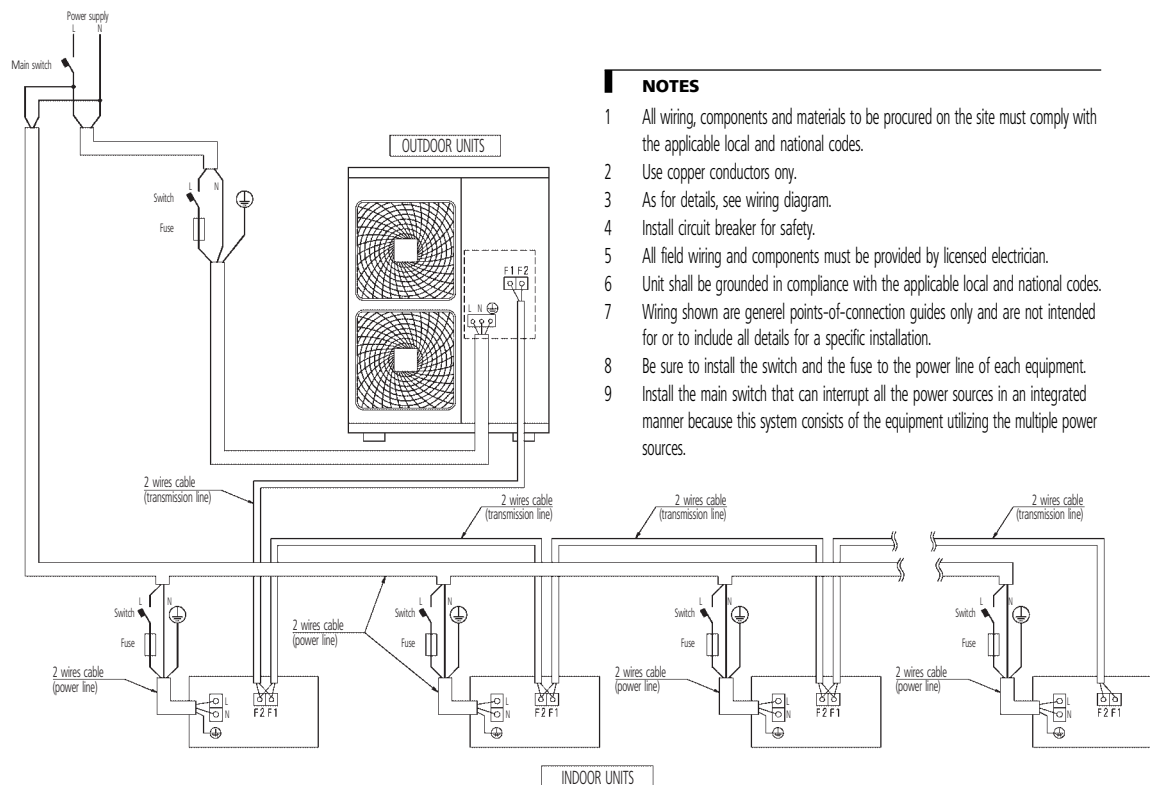
NOTES

- 1 This wiring diagram only applies to the outdoor unit
- 2 L: Live N: Neutral
- 3 When using the option adaptor, refer to the installation manual
- 4 Refer to the 'Wiring Diagram Sticker' (on back of front plate) on how to use BS1 ~ BS5 and DS1, DS2 switch
- 5 Do not operate the unit by short-circuiting protection device S1PH
- 6 Refer to the installation manual for connection wiring to indoor - outdoor transmission F1-F2
- 7 When using the central control system, connect outdoor - outdoor transmission F1-F2

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.

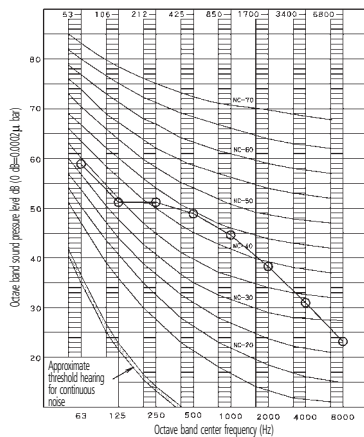
3D052597

7 Sound data

7 - 1 Sound pressure spectrum

RXYSQ4PV - Cooling

4D052713A



NOTES

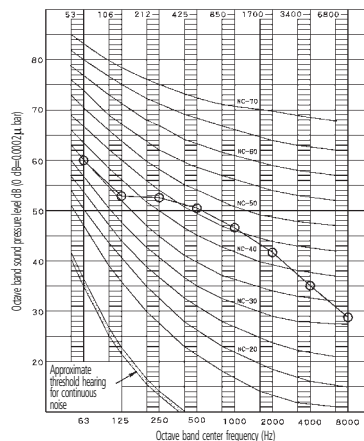
- Over all (dB):

Scale A	50.0
Scale C	62.0

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditons:
 - 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 enviromental noise and sound reflection.

RXYSQ4PV - Heating

4D052719A



NOTES

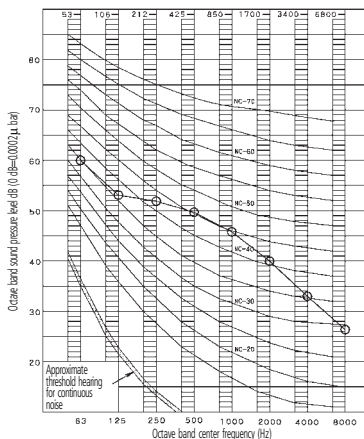
- Over all (dB):

Scale A	52.0
Scale C	63.5

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditons:
 - 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 enviromental noise and sound reflection.

RXYSQ5PV - Cooling

4D052714B



NOTES

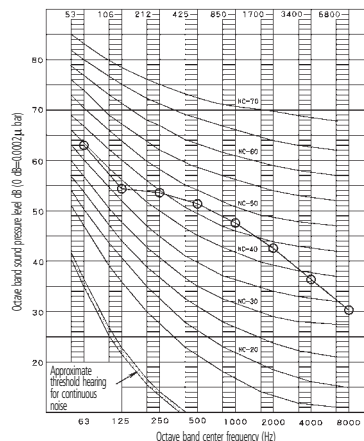
- Over all (dB):

Scale A	51.0
Scale C	63.5

(B.G.N. is already rectified)
- Measuring place: Anechoic chamber
- Operating conditons:
 - 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 enviromental 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 conditons:
 - 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 enviromental noise and sound reflection.

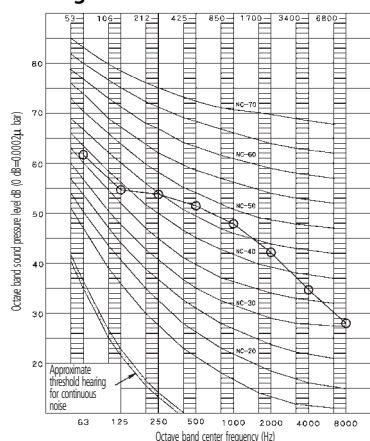
7 Sound data

7 - 1 Sound pressure spectrum

7

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

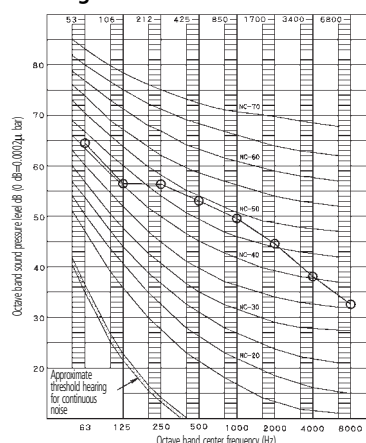
- 4 Location of microphone



- 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

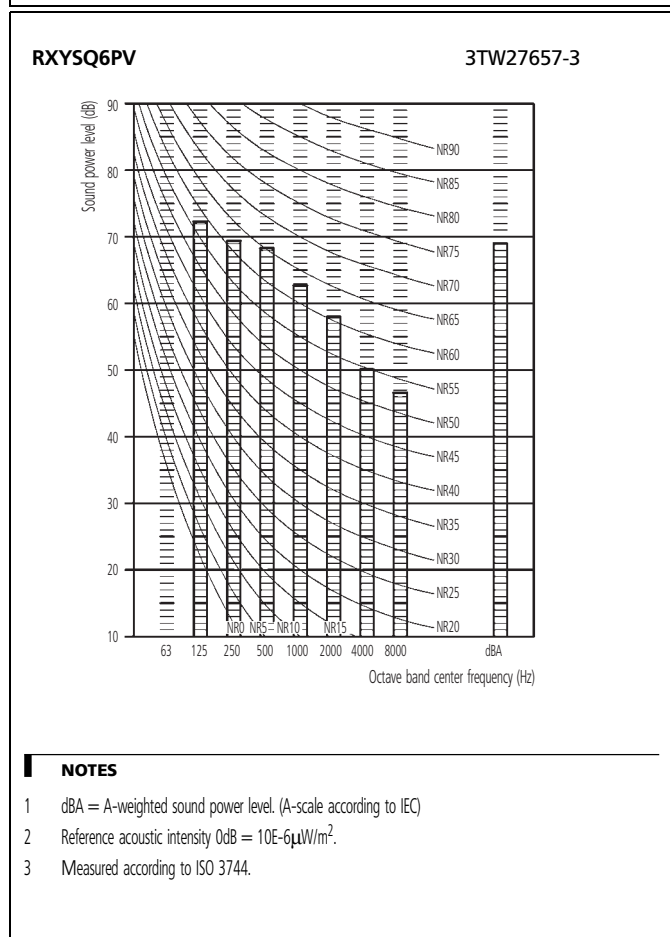
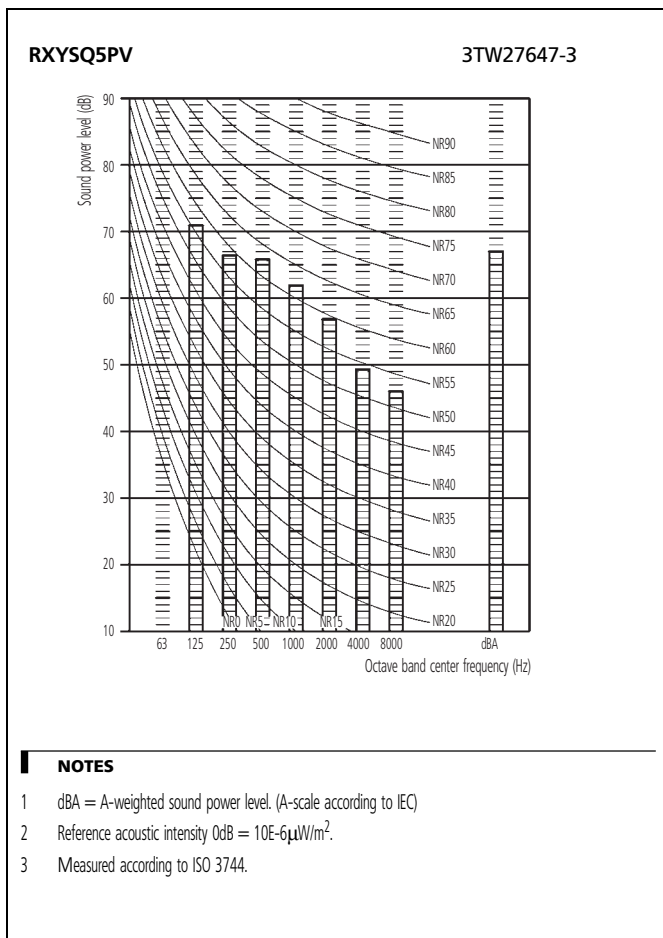
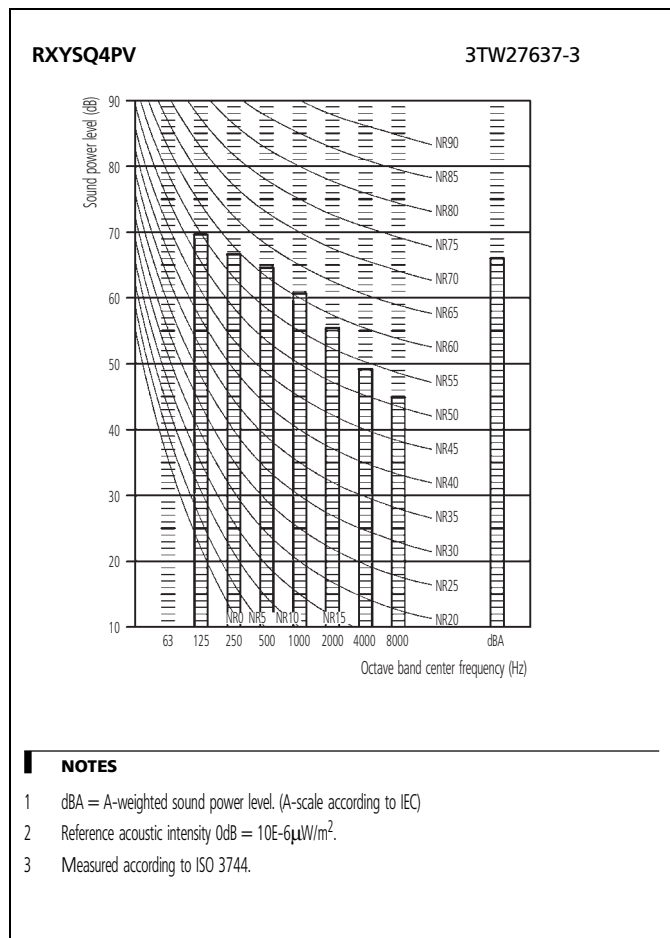
- 4 Location of microphone



- 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

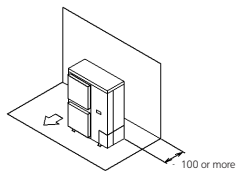
The unit of the values is mm.

1. Where there is an obstacle on the suction side

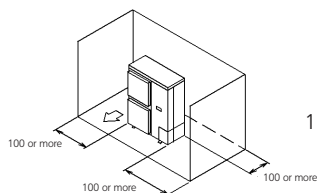
(a) No obstacle above

1 Stand-alone installation

- Obstacle on the suction side only.

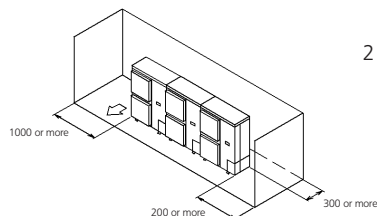


- Obstacle on both sides.



2 Series installation (2 or more).

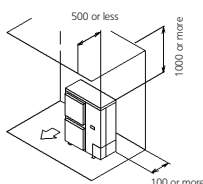
- Obstacle on both sides



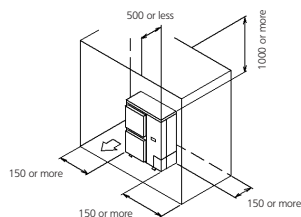
(b) Obstacle above, too.

1 Stand-alone installation

- Obstacle on the suction side.

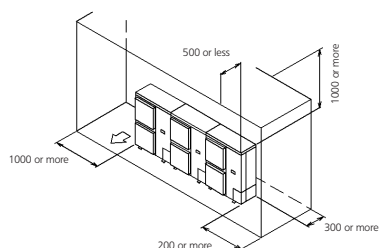


- Obstacle on the suction side and both sides.



2 Series installation (2 or more).

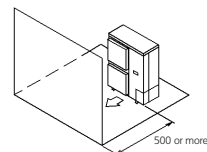
- Obstacle on the suction side and both sides.



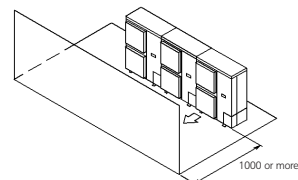
(2) Where there is an obstacle on the discharge side

(a) No obstacle above

(1) Stand-alone installation

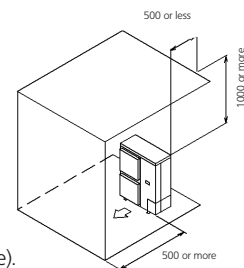


(2) Series installation (2 or more)

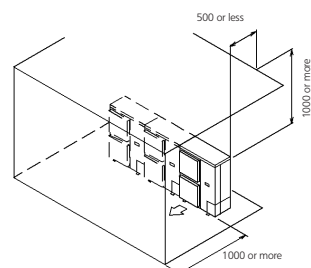


(b) Obstacle above, too.

1 Stand-alone installation



2 Series installation (2 or more).



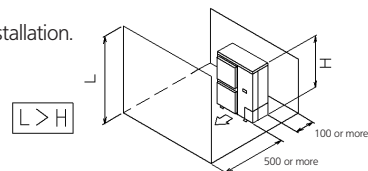
3. Where there are obstacles on both suction and discharge sides:

Pattern 1

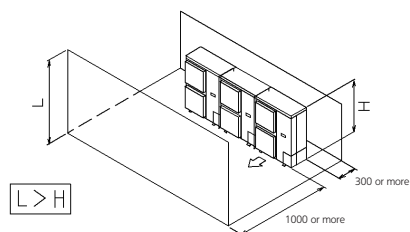
Where the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

1 Stand-alone installation.



2 Series installation (2 or more).



3D045696C

8 Installation

8 - 1 Service space

RXYSQ-PV

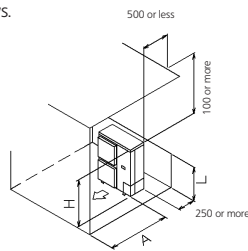
(b) Obstacle above, too

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.



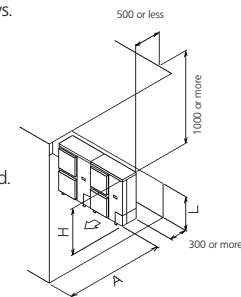
2 Series installation (2 or more).

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

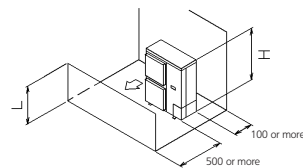
Where the obstacle on the discharge side is lower than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

1 Stand-alone installation.

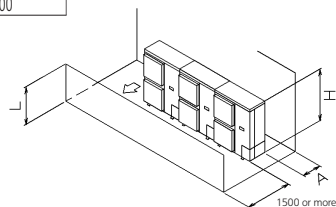
$$L \leq H$$

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

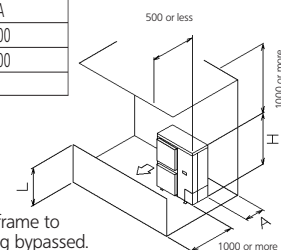


(b) Obstacle above, too.

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 : $L \leq H$	

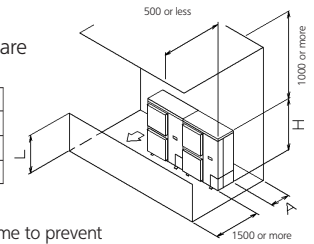


Close the bottom of the installation frame to prevent the discharged air from being bypassed.

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.

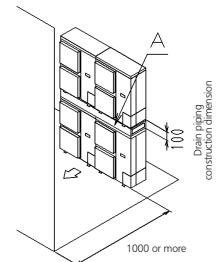
Only two units can be installed for this series.

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.

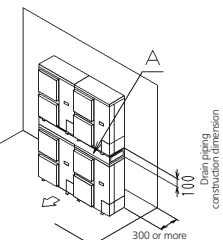
Do not stack more than two unit.



(b) Obstacle on the suction side only.

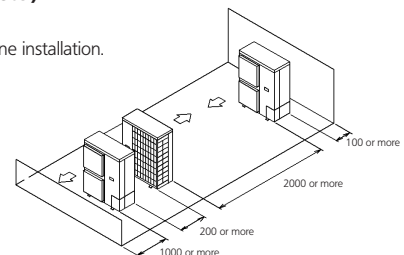
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than one unit.

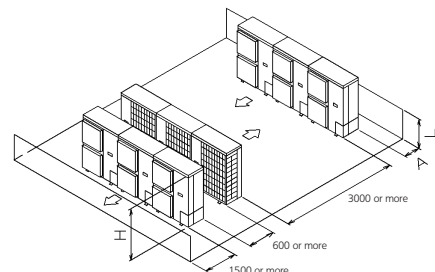


5. Multiple rows of series installation (on the rooftop, etc.).

(a) One row of stand-alone installation.



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



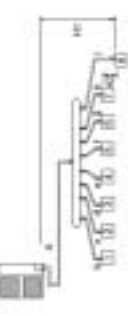
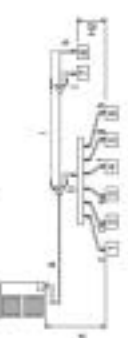
The relations between H, A and L are as follows.

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

3D045696C

8 Installation

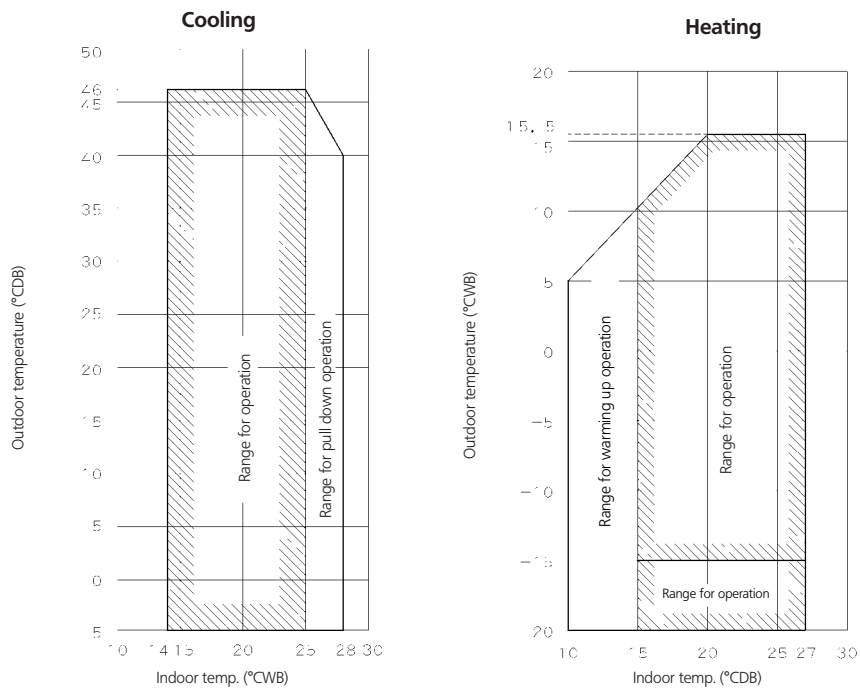
8 - 2 Refrigerant pipe selection

Example of connection (Connection of 8 indoor units Heat pump system)			Branch with refnet joint	Branch with refnet joint and refnet leader	Branch with refnet leader
					
Maximum allowable length	Between outdoor and indoor units	Actual pipe length	Pipe length between outdoor and indoor units: 150 m [Example] unit B: 150 m, unit C: 150 m, unit D: 150 m, unit E: 150 m, unit F: 150 m, unit G: 150 m, unit H: 150 m Equivalent pipe length between outdoor and indoor units: 175 m (Assume equivalent pipe length of refnet joint to be 1.0 m. (for calculation purposes)) Total piping length from outdoor unit to all indoor units between 10 m and 300 m		
Allowable height	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1): 150 m (140 m if outdoor unit is located in a lower position) Difference in height between adjacent indoor units (H2): 15 m		
Allowable length after the branch	Between indoor and indoor units	Actual pipe length	Pipe length from first refrigerant branch kit (either refnet joint or refnet leader) to indoor unit: 40 m [Example] unit B: 150 m, unit C: 150 m, unit D: 150 m, unit E: 150 m, unit F: 150 m, unit G: 150 m, unit H: 150 m Use the following refnet joint		
Refrigerant branch kit selection Refrigerant branch kits can only be used with R410A.			Refrigerant branch kit name R410A		
Pipe size selection Caution on selecting connection pipes If the overall equivalent piping length is 400 m, be sure to enlarge the pipe diameter of the gas-side main piping. If the recommended pipe size is not available, stick to the original pipe diameter (which may result in a small capacity decrease). (Gas side) R410A: 1/2" - 1/4" (12.7 - 9.5 mm) R410A: 1/2" - 1/4" (12.7 - 9.5 mm)			Piping between outdoor unit and refrigerant branch kit Match to the size of the connection piping at the outdoor unit. Outdoor unit capacity type R410A: 1/2" (12.7 mm) R410A: 1/2" (12.7 mm)		
			Piping between refrigerant branch kits Use the pipe size from the following table. Piping size (outer diameter x minimum thickness) Gas pipe: 1/2" (12.7 mm) Liquid pipe: 1/4" (6.3 mm)		
How to calculate the additional refrigerant to be charged Additional refrigerant to be charged (R _{add}) (It should be rounded off in units of 0.1 kg)			Example for refrigerant branch using refnet joint and refnet leader $R_{add} = \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right) + \left(\frac{\text{Total length (m) of liquid piping size at 06.4}}{0.054} \right)$		

4PW35338-1

9 Operation range

RXYSQ-PV



Notes:

These figures assume the following operating conditions.

Indoor and outdoor units:

- Equivalent piping length
- Level difference

7.5m
0m

3D045713C

VRV[®] III-S



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



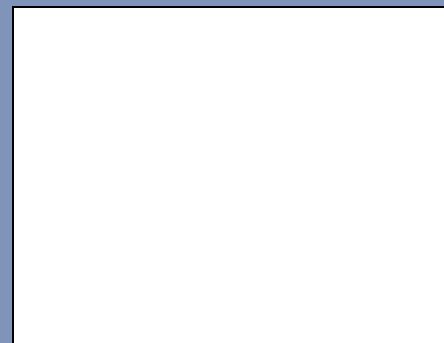
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme.

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DAIKIN EUROPE N.V.

Naamloze Vennootschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BTW: BE 0412 120 336
RPR Oostende



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