

technical data

VRV Heat Pump
RXYSQ4-6PA7Y1B

air conditioning systems

VRV[®] III-S

R-410A

technical data

VRV Heat Pump
RXYSQ4-6PA7V1B

air conditioning systems

VRV[®] III-S

R-410A

TABLE OF CONTENTS

RXYSQ4-6PA7Y1B

1	Specifications	2
	Technical Specifications	2
	Electrical Specifications	4
2	Options	5
3	Capacity tables	6
	Cooling capacity tables	6
	Heating capacity tables	12
	Capacity correction factor	18
4	Dimensional drawing & centre of gravity	20
	Dimensional drawing	20
	Centre of gravity	21
5	Piping diagram	22
6	Wiring diagram	23
	Wiring diagram	23
	External connection diagram	24
7	Sound data	25
	Sound pressure spectrum	25
	Sound power spectrum	27
8	Installation	28
	Service space	28
	Refrigerant pipe selection	30
9	Operation range	31

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				RXYSQ4PA7Y1B	RXYSQ5PA7Y1B	RXYSQ6PA7Y1B	
Capacity	Cooling	kW		11.2	14.0	15.5	
	Heating	kW		12.5	16.0	18.0	
COP	Cooling			3.88	3.88	3.33	
	Heating			4.43	4.03	3.83	
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	m ²	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	m ³ /min	106	106	106	
		Heating	m ³ /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-VDLYR				
		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	
		Heating	Min	°CWB	-20	-20	-20
	Heating	Max	°CWB	15.5	15.5	15.5	
		Cooling	Sound Power	dBA	66	67	69
Sound Level	Cooling	Sound Pressure	dBA	50	51	53	
		Heating	Sound Pressure	dBA	52	53	55

1 Specifications

1-1 TECHNICAL SPECIFICATIONS			RXYSQ4PA7Y1B	RXYSQ5PA7Y1B	RXYSQ6PA7Y1B
Refrigerant	Name		R-410A		
	Charge	kg	4.0	4.0	4.0
	Control		Expansion valve (electronic type)		
	Nr of Circuits		1	1	1
Refrigerant Oil	Name		Daphne FVC68D		
	Charged Volume	l	1.5	1.5	1.5
Piping connections	Liquid (OD)	Type	Flare connection		
		Diameter (OD)	mm	9.52	9.52
	Gas	Type	Flare connection	Flare connection	Braze connection
		Diameter (OD)	mm	15.9	15.9
	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				RXYSQ4PA7Y1B	RXYSQ5PA7Y1B	RXYSQ6PA7Y1B
Power Supply	Name			Y1		
	Phase			3N~		
	Frequency	Hz	50	50	50	
	Voltage		V	380-415		
Current	Nominal running current (RLA)	Cooling	A	5.30	6.77	7.79
	Starting current (MSC)		A	5.30	6.77	7.79
	Maximum Running Current		A	13.5	13.5	13.5
	Minimum circuit amps (MCA)		A	13.5	13.5	13.5
	Maximum fuse amps (MFA)		A	16	16	16
	Full load amps (FLA)		A	0.3+0.3 (Fan motor)		
Voltage range	Minimum		V	342	342	342
	Maximum		V	456	456	456
Wiring connections	For Power Supply	Quantity		5	5	5
		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			

1

2 Options

2

RXYSQ-PY1

No	Item	RXYSQ4	RXYSQ5	RXYSQ6
1	Cool/heat selector		KRC19-26A6	
2	Fixing box		KJB111A	
3	Refnet header		KHRQ22M29H	
4	Refnet joint		KHRQ22M20T	
5	Central drain plug		KKPJ5F180	

4TW26101-4A

NOTES

- 1 All options are kits

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ4PAY1			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	
130	14.56	10	9.83	1.33	11.7	1.63	13.6	1.94	14.6	2.09	15.5	2.25	16.6	2.34	16.9	2.23
		12	9.83	1.36	11.7	1.66	13.6	1.97	14.6	2.13	15.5	2.29	16.4	2.32	16.7	2.28
		14	9.83	1.38	11.7	1.69	13.6	2.01	14.6	2.17	15.5	2.33	16.1	2.39	16.5	2.41
		16	9.83	1.41	11.7	1.72	13.6	2.05	14.6	2.25	15.5	2.48	15.9	2.52	16.3	2.54
		18	9.83	1.44	11.7	1.76	13.6	2.18	14.6	2.42	15.4	2.63	15.7	2.65	16.1	2.67
		20	9.83	1.46	11.7	1.87	13.6	2.35	14.6	2.61	15.2	2.76	15.5	2.78	15.9	2.80
		21	9.83	1.50	11.7	1.94	13.6	2.43	14.6	2.70	15.0	2.82	15.4	2.84	15.8	2.86
		23	9.83	1.61	11.7	2.08	13.6	2.61	14.6	2.90	14.8	2.95	15.2	2.97	15.5	2.99
		25	9.83	1.72	11.7	2.23	13.6	2.80	14.4	3.06	14.6	3.08	15.0	3.10	15.3	3.13
		27	9.83	1.84	11.7	2.38	13.6	3.00	14.2	3.19	14.4	3.20	14.8	3.23	15.1	3.26
		29	9.83	1.96	11.7	2.55	13.6	3.21	14.0	3.32	14.2	3.33	14.5	3.36	14.9	3.39
		31	9.83	2.09	11.7	2.72	13.6	3.43	13.8	3.45	14.0	3.46	14.3	3.49	14.7	3.52
		33	9.83	2.23	11.7	2.90	13.4	3.56	13.6	3.58	13.8	3.59	14.1	3.63	14.5	3.66
		35	9.83	2.38	11.7	3.10	13.2	3.69	13.4	3.71	13.6	3.73	13.9	3.76	14.3	3.79
		37	9.83	2.53	11.7	3.30	13.0	3.82	13.2	3.84	13.3	3.86	13.7	3.89	14.1	3.93
		39	9.83	2.70	11.7	3.52	12.8	3.95	13.0	3.97	13.1	3.99	13.5	4.03	13.8	4.06
120	13.44	10	9.07	1.22	10.8	1.49	12.6	1.77	13.4	1.91	14.3	2.05	16.1	2.34	16.7	2.31
		12	9.07	1.24	10.8	1.51	12.6	1.80	13.4	1.95	14.3	2.09	16.1	2.38	16.4	2.30
		14	9.07	1.26	10.8	1.54	12.6	1.83	13.4	1.98	14.3	2.13	15.9	2.38	16.2	2.40
		16	9.07	1.29	10.8	1.57	12.6	1.87	13.4	2.02	14.3	2.19	15.7	2.51	16.0	2.52
		18	9.07	1.31	10.8	1.60	12.6	1.93	13.4	2.14	14.3	2.36	15.5	2.63	15.8	2.65
		20	9.07	1.34	10.8	1.67	12.6	2.08	13.4	2.30	14.3	2.54	15.3	2.76	15.6	2.78
		21	9.07	1.35	10.8	1.73	12.6	2.15	13.4	2.39	14.3	2.63	15.2	2.83	15.5	2.85
		23	9.07	1.44	10.8	1.85	12.6	2.31	13.4	2.56	14.3	2.82	14.9	2.95	15.3	2.98
		25	9.07	1.54	10.8	1.98	12.6	2.48	13.4	2.74	14.3	3.03	14.7	3.08	15.1	3.11
		27	9.07	1.64	10.8	2.12	12.6	2.65	13.4	2.94	14.2	3.19	14.5	3.21	14.8	3.24
		29	9.07	1.75	10.8	2.26	12.6	2.83	13.4	3.14	14.0	3.32	14.3	3.34	14.6	3.37
		31	9.07	1.87	10.8	2.41	12.6	3.03	13.4	3.36	13.8	3.45	14.1	3.47	14.4	3.50
		33	9.07	1.99	10.8	2.57	12.6	3.23	13.4	3.56	13.5	3.57	13.9	3.60	14.2	3.63
		35	9.07	2.12	10.8	2.74	12.6	3.45	13.2	3.69	13.3	3.70	13.7	3.74	14.0	3.77
		37	9.07	2.25	10.8	2.92	12.6	3.68	13.0	3.82	13.1	3.84	13.4	3.87	13.8	3.90
		39	9.07	2.40	10.8	3.11	12.6	3.93	12.7	3.95	12.9	3.97	13.2	4.00	13.6	4.03
110	12.32	10	8.31	1.10	9.92	1.34	11.5	1.60	12.3	1.73	13.1	1.86	14.7	2.12	16.3	2.39
		12	8.31	1.12	9.92	1.37	11.5	1.63	12.3	1.76	13.1	1.89	14.7	2.16	16.2	2.38
		14	8.31	1.14	9.92	1.40	11.5	1.66	12.3	1.79	13.1	1.93	14.7	2.20	15.9	2.38
		16	8.31	1.17	9.92	1.42	11.5	1.69	12.3	1.83	13.1	1.97	14.7	2.29	15.7	2.51
		18	8.31	1.19	9.92	1.45	11.5	1.72	12.3	1.88	13.1	2.06	14.7	2.46	15.5	2.64
		20	8.31	1.21	9.92	1.48	11.5	1.83	12.3	2.02	13.1	2.22	14.7	2.65	15.3	2.76
		21	8.31	1.22	9.92	1.52	11.5	1.89	12.3	2.09	13.1	2.30	14.7	2.75	15.2	2.83
		23	8.31	1.28	9.92	1.63	11.5	2.03	12.3	2.24	13.1	2.47	14.7	2.94	15.0	2.96
		25	8.31	1.37	9.92	1.75	11.5	2.17	12.3	2.40	13.1	2.64	14.5	3.07	14.8	3.09
		27	8.31	1.46	9.92	1.86	11.5	2.32	12.3	2.57	13.1	2.83	14.3	3.19	14.6	3.22
		29	8.31	1.55	9.92	1.99	11.5	2.48	12.3	2.75	13.1	3.03	14.0	3.32	14.3	3.35
		31	8.31	1.66	9.92	2.12	11.5	2.65	12.3	2.94	13.1	3.24	13.8	3.45	14.1	3.48
		33	8.31	1.76	9.92	2.26	11.5	2.83	12.3	3.13	13.1	3.46	13.6	3.58	13.9	3.61
		35	8.31	1.87	9.92	2.41	11.5	3.02	12.3	3.34	13.1	3.68	13.4	3.71	13.7	3.74
		37	8.31	1.99	9.92	2.57	11.5	3.22	12.3	3.57	12.9	3.81	13.2	3.84	13.5	3.87
		39	8.31	2.12	9.92	2.73	11.5	3.43	12.3	3.81	12.7	3.94	13.0	3.97	13.3	4.01
100	11.20	10	7.56	1.00	9.02	1.21	10.5	1.43	11.2	1.55	11.9	1.66	13.4	1.90	14.8	2.14
		12	7.56	1.01	9.02	1.23	10.5	1.46	11.2	1.57	11.9	1.69	13.4	1.94	14.8	2.18
		14	7.56	1.03	9.02	1.25	10.5	1.49	11.2	1.61	11.9	1.73	13.4	1.97	14.8	2.22
		16	7.56	1.05	9.02	1.28	10.5	1.51	11.2	1.64	11.9	1.76	13.4	2.01	14.8	2.31
		18	7.56	1.07	9.02	1.30	10.5	1.54	11.2	1.67	11.9	1.80	13.4	2.13	14.8	2.50
		20	7.56	1.09	9.02	1.33	10.5	1.59	11.2	1.75	11.9	1.92	13.4	2.29	14.8	2.68
		21	7.56	1.10	9.02	1.34	10.5	1.65	11.2	1.82	11.9	1.99	13.4	2.37	14.8	2.78
		23	7.56	1.13	9.02	1.43	10.5	1.76	11.2	1.95	11.9	2.14	13.4	2.54	14.7	2.94
		25	7.56	1.21	9.02	1.53	10.5	1.89	11.2	2.08	11.9	2.29	13.4	2.73	14.5	3.07
		27	7.56	1.28	9.02	1.63	10.5	2.02	11.2	2.23	11.9	2.45	13.4	2.92	14.3	3.20
		29	7.56	1.37	9.02	1.74	10.5	2.15	11.2	2.38	11.9	2.62	13.4	3.12	14.1	3.32
		31	7.56	1.46	9.02	1.85	10.5	2.30	11.2	2.54	11.9	2.79	13.4	3.34	13.9	3.45
		33	7.56	1.55	9.02	1.97	10.5	2.45	11.2	2.71	11.9	2.98	13.4	3.56	13.6	3.58
		35	7.56	1.65	9.02	2.10	10.5	2.61	11.2	2.89	11.9	3.18	13.2	3.69	13.4	3.71
		37	7.56	1.75	9.02	2.23	10.5	2.78	11.2	3.08	11.9	3.39	12.9	3.82	13.2	3.84
		39	7.56	1.86	9.02	2.38	10.5	2.96	11.2	3.28	11.9	3.62	12.7	3.95	13.0	3.98

4TW30532-1

NOTE

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

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ4PAY1			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	
90	10.08	10	6.80	0.89	8.11	1.08	9.42	1.27	10.1	1.37	10.7	1.47	12.0	1.68	13.4	1.90
		12	6.80	0.91	8.11	1.09	9.42	1.29	10.1	1.40	10.7	1.50	12.0	1.71	13.4	1.93
		14	6.80	0.92	8.11	1.11	9.42	1.32	10.1	1.42	10.7	1.53	12.0	1.75	13.4	1.97
		16	6.80	0.94	8.11	1.13	9.42	1.34	10.1	1.45	10.7	1.56	12.0	1.78	13.4	2.01
		18	6.80	0.96	8.11	1.16	9.42	1.37	10.1	1.48	10.7	1.59	12.0	1.82	13.4	2.12
		20	6.80	0.97	8.11	1.18	9.42	1.40	10.1	1.51	10.7	1.65	12.0	1.95	13.4	2.28
		21	6.80	0.98	8.11	1.19	9.42	1.42	10.1	1.56	10.7	1.71	12.0	2.02	13.4	2.36
		23	6.80	1.00	8.11	1.24	9.42	1.52	10.1	1.67	10.7	1.83	12.0	2.17	13.4	2.54
		25	6.80	1.05	8.11	1.32	9.42	1.62	10.1	1.79	10.7	1.96	12.0	2.32	13.4	2.72
		27	6.80	1.12	8.11	1.41	9.42	1.73	10.1	1.91	10.7	2.09	12.0	2.48	13.4	2.91
		29	6.80	1.19	8.11	1.50	9.42	1.85	10.1	2.04	10.7	2.23	12.0	2.66	13.4	3.11
		31	6.80	1.27	8.11	1.60	9.42	1.97	10.1	2.17	10.7	2.38	12.0	2.84	13.4	3.33
		33	6.80	1.35	8.11	1.70	9.42	2.10	10.1	2.32	10.7	2.54	12.0	3.03	13.4	3.56
		35	6.80	1.43	8.11	1.81	9.42	2.24	10.1	2.47	10.7	2.71	12.0	3.23	13.2	3.69
		37	6.80	1.52	8.11	1.93	9.42	2.38	10.1	2.63	10.7	2.89	12.0	3.45	12.9	3.82
		39	6.80	1.61	8.11	2.05	9.42	2.54	10.1	2.80	10.7	3.08	12.0	3.67	12.7	3.95
80	8.96	10	6.05	0.79	7.21	0.95	8.38	1.11	8.96	1.20	9.54	1.29	10.7	1.47	11.9	1.65
		12	6.05	0.80	7.21	0.96	8.38	1.13	8.96	1.22	9.54	1.31	10.7	1.50	11.9	1.68
		14	6.05	0.82	7.21	0.98	8.38	1.15	8.96	1.24	9.54	1.34	10.7	1.52	11.9	1.72
		16	6.05	0.83	7.21	1.00	8.38	1.18	8.96	1.27	9.54	1.36	10.7	1.55	11.9	1.75
		18	6.05	0.85	7.21	1.02	8.38	1.20	8.96	1.29	9.54	1.39	10.7	1.58	11.9	1.79
		20	6.05	0.86	7.21	1.04	8.38	1.22	8.96	1.32	9.54	1.42	10.7	1.64	11.9	1.91
		21	6.05	0.87	7.21	1.05	8.38	1.23	8.96	1.33	9.54	1.44	10.7	1.70	11.9	1.98
		23	6.05	0.88	7.21	1.07	8.38	1.29	8.96	1.42	9.54	1.55	10.7	1.82	11.9	2.12
		25	6.05	0.91	7.21	1.13	8.38	1.38	8.96	1.51	9.54	1.65	10.7	1.95	11.9	2.27
		27	6.05	0.97	7.21	1.21	8.38	1.47	8.96	1.62	9.54	1.77	10.7	2.08	11.9	2.43
		29	6.05	1.03	7.21	1.29	8.38	1.57	8.96	1.72	9.54	1.88	10.7	2.23	11.9	2.60
		31	6.05	1.10	7.21	1.37	8.38	1.67	8.96	1.84	9.54	2.01	10.7	2.38	11.9	2.77
		33	6.05	1.16	7.21	1.45	8.38	1.78	8.96	1.96	9.54	2.14	10.7	2.53	11.9	2.96
		35	6.05	1.23	7.21	1.55	8.38	1.89	8.96	2.08	9.54	2.28	10.7	2.70	11.9	3.16
		37	6.05	1.31	7.21	1.64	8.38	2.01	8.96	2.22	9.54	2.43	10.7	2.88	11.9	3.37
		39	6.05	1.39	7.21	1.74	8.38	2.14	8.96	2.36	9.54	2.58	10.7	3.07	11.9	3.59
70	7.84	10	5.29	0.70	6.31	0.83	7.33	0.96	7.84	1.04	8.35	1.11	9.37	1.26	10.4	1.42
		12	5.29	0.71	6.31	0.84	7.33	0.98	7.84	1.05	8.35	1.13	9.37	1.28	10.4	1.44
		14	5.29	0.72	6.31	0.85	7.33	1.00	7.84	1.07	8.35	1.15	9.37	1.31	10.4	1.47
		16	5.29	0.73	6.31	0.87	7.33	1.02	7.84	1.09	8.35	1.17	9.37	1.33	10.4	1.50
		18	5.29	0.74	6.31	0.88	7.33	1.03	7.84	1.11	8.35	1.19	9.37	1.36	10.4	1.53
		20	5.29	0.75	6.31	0.90	7.33	1.05	7.84	1.13	8.35	1.22	9.37	1.39	10.4	1.57
		21	5.29	0.76	6.31	0.91	7.33	1.06	7.84	1.15	8.35	1.23	9.37	1.41	10.4	1.63
		23	5.29	0.77	6.31	0.92	7.33	1.09	7.84	1.18	8.35	1.29	9.37	1.51	10.4	1.74
		25	5.29	0.79	6.31	0.96	7.33	1.16	7.84	1.26	8.35	1.37	9.37	1.61	10.4	1.87
		27	5.29	0.83	6.31	1.02	7.33	1.23	7.84	1.35	8.35	1.47	9.37	1.72	10.4	1.99
		29	5.29	0.88	6.31	1.09	7.33	1.31	7.84	1.44	8.35	1.56	9.37	1.84	10.4	2.13
		31	5.29	0.94	6.31	1.15	7.33	1.40	7.84	1.53	8.35	1.66	9.37	1.96	10.4	2.27
		33	5.29	0.99	6.31	1.23	7.33	1.49	7.84	1.63	8.35	1.77	9.37	2.08	10.4	2.42
		35	5.29	1.05	6.31	1.30	7.33	1.58	7.84	1.73	8.35	1.89	9.37	2.22	10.4	2.58
		37	5.29	1.11	6.31	1.38	7.33	1.68	7.84	1.84	8.35	2.00	9.37	2.36	10.4	2.75
		39	5.29	1.18	6.31	1.46	7.33	1.78	7.84	1.95	8.35	2.13	9.37	2.51	10.4	2.93
60	6.72	10	4.54	0.61	5.41	0.71	6.28	0.82	6.72	0.88	7.16	0.94	8.03	1.06	8.90	1.19
		12	4.54	0.61	5.41	0.72	6.28	0.84	6.72	0.90	7.16	0.96	8.03	1.08	8.90	1.21
		14	4.54	0.62	5.41	0.73	6.28	0.85	6.72	0.91	7.16	0.97	8.03	1.10	8.90	1.24
		16	4.54	0.63	5.41	0.74	6.28	0.86	6.72	0.93	7.16	0.99	8.03	1.12	8.90	1.26
		18	4.54	0.64	5.41	0.76	6.28	0.88	6.72	0.94	7.16	1.01	8.03	1.14	8.90	1.28
		20	4.54	0.65	5.41	0.77	6.28	0.90	6.72	0.96	7.16	1.03	8.03	1.17	8.90	1.31
		21	4.54	0.66	5.41	0.78	6.28	0.90	6.72	0.97	7.16	1.04	8.03	1.18	8.90	1.32
		23	4.54	0.67	5.41	0.79	6.28	0.92	6.72	0.99	7.16	1.06	8.03	1.22	8.90	1.40
		25	4.54	0.68	5.41	0.80	6.28	0.96	6.72	1.04	7.16	1.12	8.03	1.31	8.90	1.50
		27	4.54	0.70	5.41	0.85	6.28	1.02	6.72	1.11	7.16	1.20	8.03	1.39	8.90	1.60
		29	4.54	0.75	5.41	0.91	6.28	1.08	6.72	1.18	7.16	1.27	8.03	1.48	8.90	1.71
		31	4.54	0.79	5.41	0.96	6.28	1.15	6.72	1.25	7.16	1.35	8.03	1.58	8.90	1.82
		33	4.54	0.84	5.41	1.02	6.28	1.22	6.72	1.33	7.16	1.44	8.03	1.68	8.90	1.94
		35	4.54	0.88	5.41	1.08	6.28	1.29	6.72	1.41	7.16	1.53	8.03	1.79	8.90	2.06
		37	4.54	0.93	5.41	1.14	6.28	1.37	6.72	1.50	7.16	1.62	8.03	1.90	8.90	2.20
		39	4.54	0.99	5.41	1.21	6.28	1.45	6.72	1.59	7.16	1.72	8.03	2.02	8.90	2.34
50	5.60	10	3.78	0.52	4.51	0.60	5.24	0.69	5.60	0.73	5.96	0.78	6.69	0.88	7.42	0.98
		12	3.78	0.53	4.51	0.61	5.24	0.70	5.60	0.75	5.96	0.79	6.69	0.89	7.42	0.99
		14	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	1.01
		16	3.78	0.54	4.51	0.63	5.24	0.72	5.60	0.77	5.96	0.82	6.69	0.92	7.42	1.03
		18	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
		20	3.78	0.56	4.51	0.65	5.24	0.75	5.60	0.80	5.96	0.85	6.69	0.96	7.42	1.07
		21	3.78	0.56	4.51	0.65	5.24	0.75	5.60	0.80	5.96	0.86	6.69	0.97	7.42	1.08
		23	3.78	0.57	4.51	0.66	5.24	0.77	5.60	0.82	5.96	0.87	6.69	0.98	7.42	1.10
		25	3.78	0.58	4.51	0.68	5.24	0.78	5.60	0.83	5.96	0.90	6.69	1.03	7.42	1.18
		27	3.78	0.59	4.51	0.70	5.24	0.82	5.60	0.89	5.96	0.96	6.69	1.10	7.42	1.25
		29	3.78	0.62	4.51	0.74	5.24	0.87	5.60	0.94	5.96	1.02	6.69	1.17	7.42	1.34
		31	3.78	0.66	4.51	0.78	5.24	0.92	5.60	1.00	5.96	1.08	6.69	1.24	7.42	1.42
		33	3.78	0.69	4.51	0.83	5.24	0.98	5.60	1.06	5.96	1.14	6.69	1.32	7.42	1.51
		35	3.78	0.73	4.51	0.88	5.24	1.04	5.60	1.12	5.96	1.21	6.69	1.40	7.42	1.60
		37	3.78	0.77	4.51	0.93	5.24	1.10	5.60	1.19	5.96	1.29	6.69	1.49	7.42	1.70
		39	3.78	0.81	4.51	0.98	5.24	1.16	5.60	1.26	5.96	1.36	6.69	1.58	7.42	1.81

4TW30532-1

3 Capacity tables

3 - 1 Cooling capacity tables

3

RXYSQ5PAY1			Indoor air temp. (°CWB)													
Combination (%)	Capacity index (kW)	Outdoor air temp.(°CDB)	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	1.66	14.7	2.03	17.0	2.42	18.2	2.62	19.1	2.75	19.6	2.63	20.0	2.51
		12	12.3	1.69	14.7	2.07	17.0	2.47	18.2	2.66	18.9	2.73	19.3	2.61	19.8	2.57
		14	12.3	1.72	14.7	2.11	17.0	2.51	18.2	2.72	18.6	2.71	19.1	2.69	19.5	2.71
		16	12.3	1.76	14.7	2.15	17.0	2.56	18.2	2.80	18.4	2.81	18.8	2.83	19.3	2.86
		18	12.3	1.79	14.7	2.20	17.0	2.73	17.9	2.94	18.1	2.95	18.6	2.98	19.0	3.00
		20	12.3	1.83	14.7	2.34	17.0	2.93	17.7	3.08	17.9	3.10	18.3	3.12	18.8	3.15
		21	12.3	1.88	14.7	2.42	17.0	3.04	17.5	3.15	17.8	3.17	18.2	3.20	18.7	3.22
		23	12.3	2.01	14.7	2.60	17.0	3.26	17.3	3.30	17.5	3.31	18.0	3.34	18.4	3.37
		25	12.3	2.15	14.7	2.78	16.8	3.43	17.1	3.44	17.3	3.46	17.7	3.49	18.2	3.52
		27	12.3	2.30	14.7	2.98	16.6	3.57	16.8	3.59	17.0	3.60	17.5	3.64	17.9	3.67
		29	12.3	2.45	14.7	3.18	16.3	3.71	16.6	3.73	16.8	3.75	17.2	3.78	17.7	3.82
		31	12.3	2.62	14.7	3.40	16.1	3.86	16.3	3.88	16.5	3.90	17.0	3.93	17.4	3.97
		33	12.3	2.79	14.7	3.63	15.8	4.00	16.1	4.02	16.3	4.04	16.7	4.08	17.2	4.12
		35	12.3	2.97	14.7	3.87	15.6	4.15	15.8	4.17	16.0	4.19	16.5	4.23	16.9	4.27
		37	12.3	3.16	14.7	4.13	15.3	4.30	15.6	4.32	15.8	4.34	16.2	4.38	16.7	4.43
		39	12.3	3.37	14.7	4.40	15.1	4.44	15.3	4.47	15.5	4.49	16.0	4.54	16.4	4.58
120	16.80	10	11.3	1.52	13.5	1.86	15.7	2.21	16.8	2.38	17.9	2.56	19.3	2.71	19.7	2.60
		12	11.3	1.55	13.5	1.89	15.7	2.25	16.8	2.43	17.9	2.61	19.0	2.69	19.4	2.58
		14	11.3	1.58	13.5	1.93	15.7	2.29	16.8	2.48	17.9	2.66	18.8	2.68	19.2	2.69
		16	11.3	1.61	13.5	1.96	15.7	2.34	16.8	2.52	17.9	2.73	18.5	2.82	18.9	2.84
		18	11.3	1.64	13.5	2.00	15.7	2.42	16.8	2.67	17.9	2.94	18.3	2.96	18.7	2.98
		20	11.3	1.67	13.5	2.08	15.7	2.60	16.8	2.88	17.6	3.08	18.0	3.10	18.4	3.13
		21	11.3	1.69	13.5	2.16	15.7	2.69	16.8	2.98	17.5	3.15	17.9	3.18	18.3	3.20
		23	11.3	1.80	13.5	2.31	15.7	2.89	16.8	3.20	17.2	3.29	17.7	3.32	18.1	3.35
		25	11.3	1.92	13.5	2.47	15.7	3.09	16.8	3.42	17.0	3.44	17.4	3.47	17.8	3.50
		27	11.3	2.05	13.5	2.64	15.7	3.31	16.5	3.57	16.7	3.58	17.2	3.61	17.6	3.64
		29	11.3	2.19	13.5	2.82	15.7	3.54	16.3	3.71	16.5	3.73	16.9	3.76	17.3	3.79
		31	11.3	2.33	13.5	3.01	15.7	3.78	16.0	3.86	16.3	3.87	16.7	3.91	17.1	3.94
		33	11.3	2.49	13.5	3.21	15.6	3.98	15.8	4.00	16.0	4.02	16.4	4.06	16.8	4.09
		35	11.3	2.65	13.5	3.43	15.3	4.13	15.5	4.15	15.8	4.17	16.2	4.20	16.6	4.24
		37	11.3	2.82	13.5	3.65	15.1	4.27	15.3	4.29	15.5	4.31	15.9	4.35	16.3	4.39
		39	11.3	3.00	13.5	3.89	14.8	4.42	15.1	4.44	15.3	4.46	15.7	4.50	16.1	4.55
110	15.40	10	10.4	1.38	12.4	1.68	14.4	1.99	15.4	2.16	16.4	2.32	18.4	2.65	19.3	2.69
		12	10.4	1.40	12.4	1.71	14.4	2.03	15.4	2.20	16.4	2.36	18.4	2.70	19.1	2.68
		14	10.4	1.43	12.4	1.74	14.4	2.07	15.4	2.24	16.4	2.41	18.4	2.75	18.8	2.68
		16	10.4	1.46	12.4	1.78	14.4	2.11	15.4	2.28	16.4	2.46	18.2	2.80	18.6	2.82
		18	10.4	1.48	12.4	1.81	14.4	2.15	15.4	2.35	16.4	2.58	18.0	2.94	18.3	2.96
		20	10.4	1.51	12.4	1.85	14.4	2.28	15.4	2.52	16.4	2.77	17.7	3.09	18.1	3.11
		21	10.4	1.53	12.4	1.90	14.4	2.36	15.4	2.61	16.4	2.87	17.6	3.16	18.0	3.18
		23	10.4	1.60	12.4	2.04	14.4	2.53	15.4	2.80	16.4	3.08	17.3	3.30	17.7	3.33
		25	10.4	1.71	12.4	2.18	14.4	2.71	15.4	3.00	16.4	3.30	17.1	3.45	17.5	3.47
		27	10.4	1.82	12.4	2.33	14.4	2.90	15.4	3.21	16.4	3.54	16.8	3.59	17.2	3.62
		29	10.4	1.94	12.4	2.49	14.4	3.10	15.4	3.43	16.2	3.71	16.6	3.74	17.0	3.76
		31	10.4	2.07	12.4	2.65	14.4	3.31	15.4	3.67	16.0	3.85	16.3	3.88	16.7	3.91
		33	10.4	2.20	12.4	2.83	14.4	3.53	15.4	3.92	15.7	3.99	16.1	4.03	16.5	4.06
		35	10.4	2.34	12.4	3.01	14.4	3.77	15.3	4.12	15.5	4.14	15.8	4.17	16.2	4.21
		37	10.4	2.49	12.4	3.21	14.4	4.02	15.0	4.27	15.2	4.29	15.6	4.32	16.0	4.36
		39	10.4	2.65	12.4	3.41	14.4	4.28	14.8	4.41	15.0	4.43	15.4	4.47	15.7	4.51
100	14.00	10	9.45	1.24	11.3	1.51	13.1	1.79	14.0	1.93	14.9	2.08	16.7	2.37	18.6	2.67
		12	9.45	1.27	11.3	1.54	13.1	1.82	14.0	1.97	14.9	2.12	16.7	2.42	18.6	2.72
		14	9.45	1.29	11.3	1.56	13.1	1.86	14.0	2.00	14.9	2.16	16.7	2.46	18.5	2.76
		16	9.45	1.31	11.3	1.59	13.1	1.89	14.0	2.04	14.9	2.20	16.7	2.51	18.2	2.80
		18	9.45	1.34	11.3	1.63	13.1	1.93	14.0	2.08	14.9	2.24	16.7	2.66	18.0	2.94
		20	9.45	1.36	11.3	1.66	13.1	1.99	14.0	2.19	14.9	2.40	16.7	2.86	17.7	3.09
		21	9.45	1.37	11.3	1.67	13.1	2.06	14.0	2.27	14.9	2.49	16.7	2.96	17.6	3.16
		23	9.45	1.41	11.3	1.78	13.1	2.20	14.0	2.43	14.9	2.67	16.7	3.18	17.4	3.30
		25	9.45	1.51	11.3	1.91	13.1	2.36	14.0	2.60	14.9	2.86	16.7	3.41	17.1	3.45
		27	9.45	1.60	11.3	2.04	13.1	2.52	14.0	2.78	14.9	3.06	16.5	3.57	16.9	3.59
		29	9.45	1.71	11.3	2.17	13.1	2.69	14.0	2.97	14.9	3.27	16.3	3.71	16.6	3.74
		31	9.45	1.82	11.3	2.31	13.1	2.87	14.0	3.17	14.9	3.49	16.0	3.85	16.4	3.88
		33	9.45	1.93	11.3	2.46	13.1	3.06	14.0	3.39	14.9	3.73	15.8	4.00	16.1	4.03
		35	9.45	2.05	11.3	2.62	13.1	3.26	14.0	3.61	14.9	3.97	15.5	4.15	15.9	4.18
		37	9.45	2.18	11.3	2.79	13.1	3.48	14.0	3.85	14.9	4.24	15.3	4.29	15.6	4.33
		39	9.45	2.32	11.3	2.97	13.1	3.70	14.0	4.10	14.7	4.40	15.0	4.44	15.4	4.47

4TW30532-1

NOTE

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

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ5PAY1			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	
90	12.60	10	8.50	1.11	10.1	1.34	11.8	1.59	12.6	1.71	13.4	1.84	15.1	2.10	16.7	2.37
		12	8.50	1.13	10.1	1.37	11.8	1.61	12.6	1.74	13.4	1.87	15.1	2.14	16.7	2.41
		14	8.50	1.15	10.1	1.39	11.8	1.65	12.6	1.78	13.4	1.91	15.1	2.18	16.7	2.46
		16	8.50	1.17	10.1	1.42	11.8	1.68	12.6	1.81	13.4	1.95	15.1	2.22	16.7	2.51
		18	8.50	1.19	10.1	1.44	11.8	1.71	12.6	1.85	13.4	1.98	15.1	2.27	16.7	2.65
		20	8.50	1.22	10.1	1.47	11.8	1.74	12.6	1.88	13.4	2.06	15.1	2.44	16.7	2.85
		21	8.50	1.23	10.1	1.49	11.8	1.77	12.6	1.95	13.4	2.13	15.1	2.53	16.7	2.95
		23	8.50	1.25	10.1	1.55	11.8	1.90	12.6	2.09	13.4	2.28	15.1	2.71	16.7	3.17
		25	8.50	1.32	10.1	1.65	11.8	2.03	12.6	2.23	13.4	2.44	15.1	2.90	16.7	3.40
		27	8.50	1.40	10.1	1.76	11.8	2.17	12.6	2.38	13.4	2.61	15.1	3.10	16.5	3.57
		29	8.50	1.49	10.1	1.88	11.8	2.31	12.6	2.55	13.4	2.79	15.1	3.32	16.3	3.71
		31	8.50	1.59	10.1	2.00	11.8	2.46	12.6	2.72	13.4	2.98	15.1	3.54	16.0	3.85
		33	8.50	1.68	10.1	2.13	11.8	2.63	12.6	2.89	13.4	3.18	15.1	3.78	15.8	4.00
		35	8.50	1.79	10.1	2.26	11.8	2.80	12.6	3.08	13.4	3.39	15.1	4.04	15.5	4.14
		37	8.50	1.90	10.1	2.41	11.8	2.98	12.6	3.29	13.4	3.61	15.0	4.26	15.3	4.29
		39	8.50	2.01	10.1	2.56	11.8	3.17	12.6	3.50	13.4	3.85	14.7	4.41	15.0	4.44
80	11.20	10	7.56	0.99	9.02	1.18	10.5	1.39	11.2	1.50	11.9	1.61	13.4	1.83	14.8	2.07
		12	7.56	1.00	9.02	1.20	10.5	1.42	11.2	1.53	11.9	1.64	13.4	1.87	14.8	2.10
		14	7.56	1.02	9.02	1.23	10.5	1.44	11.2	1.55	11.9	1.67	13.4	1.90	14.8	2.15
		16	7.56	1.04	9.02	1.25	10.5	1.47	11.2	1.58	11.9	1.70	13.4	1.94	14.8	2.19
		18	7.56	1.06	9.02	1.27	10.5	1.50	11.2	1.61	11.9	1.73	13.4	1.98	14.8	2.23
		20	7.56	1.08	9.02	1.29	10.5	1.53	11.2	1.65	11.9	1.77	13.4	2.05	14.8	2.39
		21	7.56	1.08	9.02	1.31	10.5	1.54	11.2	1.66	11.9	1.80	13.4	2.12	14.8	2.47
		23	7.56	1.10	9.02	1.33	10.5	1.62	11.2	1.77	11.9	1.93	13.4	2.28	14.8	2.65
		25	7.56	1.14	9.02	1.42	10.5	1.73	11.2	1.89	11.9	2.06	13.4	2.44	14.8	2.84
		27	7.56	1.21	9.02	1.51	10.5	1.84	11.2	2.02	11.9	2.20	13.4	2.60	14.8	3.04
		29	7.56	1.29	9.02	1.61	10.5	1.96	11.2	2.15	11.9	2.35	13.4	2.78	14.8	3.24
		31	7.56	1.37	9.02	1.71	10.5	2.09	11.2	2.29	11.9	2.51	13.4	2.97	14.8	3.47
		33	7.56	1.45	9.02	1.82	10.5	2.22	11.2	2.44	11.9	2.67	13.4	3.16	14.8	3.70
		35	7.56	1.54	9.02	1.93	10.5	2.37	11.2	2.60	11.9	2.85	13.4	3.37	14.8	3.95
		37	7.56	1.63	9.02	2.05	10.5	2.52	11.2	2.77	11.9	3.03	13.4	3.60	14.8	4.21
		39	7.56	1.73	9.02	2.18	10.5	2.67	11.2	2.94	11.9	3.23	13.4	3.83	14.7	4.40
70	9.80	10	6.61	0.87	7.89	1.03	9.16	1.20	9.80	1.29	10.4	1.39	11.7	1.58	13.0	1.77
		12	6.61	0.88	7.89	1.05	9.16	1.22	9.80	1.32	10.4	1.41	11.7	1.60	13.0	1.80
		14	6.61	0.90	7.89	1.07	9.16	1.25	9.80	1.34	10.4	1.44	11.7	1.63	13.0	1.84
		16	6.61	0.91	7.89	1.08	9.16	1.27	9.80	1.36	10.4	1.46	11.7	1.67	13.0	1.87
		18	6.61	0.93	7.89	1.10	9.16	1.29	9.80	1.39	10.4	1.49	11.7	1.70	13.0	1.91
		20	6.61	0.94	7.89	1.12	9.16	1.32	9.80	1.42	10.4	1.52	11.7	1.73	13.0	1.96
		21	6.61	0.95	7.89	1.13	9.16	1.33	9.80	1.43	10.4	1.53	11.7	1.76	13.0	2.03
		23	6.61	0.97	7.89	1.15	9.16	1.36	9.80	1.48	10.4	1.61	11.7	1.88	13.0	2.18
		25	6.61	0.98	7.89	1.20	9.16	1.45	9.80	1.58	10.4	1.72	11.7	2.01	13.0	2.33
		27	6.61	1.04	7.89	1.28	9.16	1.54	9.80	1.68	10.4	1.83	11.7	2.15	13.0	2.49
		29	6.61	1.10	7.89	1.36	9.16	1.64	9.80	1.79	10.4	1.95	11.7	2.29	13.0	2.66
		31	6.61	1.17	7.89	1.44	9.16	1.75	9.80	1.91	10.4	2.08	11.7	2.44	13.0	2.84
		33	6.61	1.24	7.89	1.53	9.16	1.86	9.80	2.03	10.4	2.21	11.7	2.60	13.0	3.03
		35	6.61	1.31	7.89	1.62	9.16	1.97	9.80	2.16	10.4	2.35	11.7	2.77	13.0	3.23
		37	6.61	1.39	7.89	1.72	9.16	2.09	9.80	2.29	10.4	2.50	11.7	2.95	13.0	3.44
		39	6.61	1.47	7.89	1.83	9.16	2.22	9.80	2.44	10.4	2.66	11.7	3.14	13.0	3.66
60	8.40	10	5.67	0.76	6.76	0.89	7.85	1.03	8.40	1.10	8.95	1.17	10.0	1.33	11.1	1.49
		12	5.67	0.77	6.76	0.90	7.85	1.04	8.40	1.12	8.95	1.19	10.0	1.35	11.1	1.52
		14	5.67	0.78	6.76	0.92	7.85	1.06	8.40	1.14	8.95	1.22	10.0	1.38	11.1	1.54
		16	5.67	0.79	6.76	0.93	7.85	1.08	8.40	1.16	8.95	1.24	10.0	1.40	11.1	1.57
		18	5.67	0.80	6.76	0.95	7.85	1.10	8.40	1.18	8.95	1.26	10.0	1.43	11.1	1.60
		20	5.67	0.81	6.76	0.96	7.85	1.12	8.40	1.20	8.95	1.28	10.0	1.46	11.1	1.63
		21	5.67	0.82	6.76	0.97	7.85	1.13	8.40	1.21	8.95	1.30	10.0	1.47	11.1	1.65
		23	5.67	0.83	6.76	0.99	7.85	1.15	8.40	1.23	8.95	1.32	10.0	1.53	11.1	1.75
		25	5.67	0.85	6.76	1.00	7.85	1.19	8.40	1.30	8.95	1.40	10.0	1.63	11.1	1.87
		27	5.67	0.88	6.76	1.07	7.85	1.27	8.40	1.38	8.95	1.50	10.0	1.74	11.1	2.00
		29	5.67	0.93	6.76	1.13	7.85	1.35	8.40	1.47	8.95	1.59	10.0	1.85	11.1	2.13
		31	5.67	0.99	6.76	1.20	7.85	1.43	8.40	1.56	8.95	1.69	10.0	1.97	11.1	2.27
		33	5.67	1.04	6.76	1.27	7.85	1.52	8.40	1.66	8.95	1.80	10.0	2.10	11.1	2.42
		35	5.67	1.10	6.76	1.35	7.85	1.62	8.40	1.76	8.95	1.91	10.0	2.23	11.1	2.58
		37	5.67	1.17	6.76	1.43	7.85	1.71	8.40	1.87	8.95	2.03	10.0	2.37	11.1	2.74
		39	5.67	1.23	6.76	1.51	7.85	1.82	8.40	1.98	8.95	2.15	10.0	2.52	11.1	2.92
50	7.00	10	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	1.22
		12	4.72	0.66	5.63	0.76	6.54	0.87	7.00	0.93	7.46	0.99	8.37	1.11	9.28	1.24
		14	4.72	0.67	5.63	0.77	6.54	0.89	7.00	0.95	7.46	1.01	8.37	1.13	9.28	1.26
		16	4.72	0.68	5.63	0.79	6.54	0.90	7.00	0.96	7.46	1.02	8.37	1.15	9.28	1.29
		18	4.72	0.69	5.63	0.80	6.54	0.92	7.00	0.98	7.46	1.04	8.37	1.17	9.28	1.31
		20	4.72	0.70	5.63	0.81	6.54	0.93	7.00	1.00	7.46	1.06	8.37	1.19	9.28	1.33
		21	4.72	0.70	5.63	0.82	6.54	0.94	7.00	1.00	7.46	1.07	8.37	1.21	9.28	1.35
		23	4.72	0.71	5.63	0.83	6.54	0.96	7.00	1.02	7.46	1.09	8.37	1.23	9.28	1.38
		25	4.72	0.72	5.63	0.84	6.54	0.97	7.00	1.04	7.46	1.12	8.37	1.29	9.28	1.47
		27	4.72	0.73	5.63	0.87	6.54	1.03	7.00	1.11	7.46	1.19	8.37	1.37	9.28	1.57
		29	4.72	0.78	5.63	0.93	6.54	1.09	7.00	1.18	7.46	1.27	8.37	1.46	9.28	1.67
		31	4.72	0.82	5.63	0.98	6.54	1.16	7.00	1.25	7.46	1.35	8.37	1.55	9.28	1.77
		33	4.72	0.87	5.63	1.04	6.54	1.22	7.00	1.32	7.46	1.43	8.37	1.65	9.28	1.89
		35	4.72	0.91	5.63	1.10	6.54	1.30	7.00	1.40	7.46	1.51	8.37	1.75	9.28	2.00
		37	4.72	0.96	5.63	1.16	6.54	1.37	7.00	1.49	7.46	1.61	8.37	1.86	9.28	2.13
		39	4.72	1.02	5.63	1.22	6.54	1.45	7.00	1.57	7.46	1.70	8.37	1.97	9.28	2.26

4TW30532-1

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ6PAY1

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			
130	20.80	10	13.6	2.15	16.2	2.63	18.8	3.12	20.2	3.38	20.4	3.31	20.9	3.17	21.4	3.02		
		12	13.6	2.19	16.2	2.68	18.8	3.18	19.9	3.36	20.1	3.29	20.6	3.15	21.1	3.09		
		14	13.6	2.23	16.2	2.73	18.8	3.24	19.6	3.34	19.9	3.27	20.4	3.24	20.9	3.27		
		16	13.6	2.27	16.2	2.78	18.8	3.31	19.4	3.37	19.6	3.39	20.1	3.42	20.6	3.45		
		18	13.6	2.31	16.2	2.84	18.8	3.52	19.1	3.54	19.3	3.56	19.8	3.59	20.3	3.62		
		20	13.6	2.36	16.2	3.02	18.6	3.70	18.8	3.71	19.1	3.73	19.6	3.77	20.1	3.80		
		21	13.6	2.43	16.2	3.13	18.5	3.78	18.7	3.80	19.0	3.82	19.4	3.86	19.9	3.89		
		23	13.6	2.60	16.2	3.35	18.2	3.96	18.4	3.97	18.7	3.99	19.2	4.03	19.7	4.07		
		25	13.6	2.78	16.2	3.59	17.9	4.13	18.2	4.15	18.4	4.17	18.9	4.21	19.4	4.25		
		27	13.6	2.97	16.2	3.84	17.7	4.30	17.9	4.32	18.2	4.34	18.7	4.39	19.1	4.43		
		29	13.6	3.17	16.2	4.11	17.4	4.48	17.7	4.50	17.9	4.52	18.4	4.57	18.9	4.61		
		31	13.6	3.38	16.2	4.39	17.2	4.65	17.4	4.67	17.6	4.70	18.1	4.75	18.6	4.79		
		33	13.6	3.60	16.2	4.68	16.9	4.83	17.1	4.85	17.4	4.88	17.9	4.93	18.4	4.98		
		35	13.6	3.83	16.1	4.95	16.6	5.00	16.9	5.03	17.1	5.06	17.6	5.11	18.1	5.16		
		37	13.6	4.08	15.9	5.12	16.4	5.18	16.6	5.21	16.9	5.24	17.3	5.29	17.8	5.35		
		39	13.6	4.35	15.6	5.30	16.1	5.36	16.4	5.39	16.6	5.42	17.1	5.48	17.6	5.54		
		120	19.20	10	12.6	1.96	15.0	2.39	17.4	2.85	18.6	3.08	19.8	3.31	20.5	3.27	21.0	3.14
				12	12.6	2.00	15.0	2.44	17.4	2.90	18.6	3.14	19.8	3.37	20.3	3.25	20.7	3.11
14	12.6			2.03	15.0	2.49	17.4	2.96	18.6	3.20	19.6	3.36	20.0	3.23	20.5	3.25		
16	12.6			2.07	15.0	2.53	17.4	3.01	18.6	3.26	19.3	3.37	19.8	3.39	20.2	3.42		
18	12.6			2.11	15.0	2.58	17.4	3.12	18.6	3.45	19.0	3.54	19.5	3.57	19.9	3.60		
20	12.6			2.15	15.0	2.69	17.4	3.35	18.6	3.69	18.8	3.71	19.2	3.74	19.7	3.77		
21	12.6			2.18	15.0	2.78	17.4	3.47	18.4	3.78	18.6	3.80	19.1	3.83	19.6	3.86		
23	12.6			2.32	15.0	2.98	17.4	3.73	18.2	3.95	18.4	3.97	18.8	4.00	19.3	4.04		
25	12.6			2.48	15.0	3.19	17.4	3.99	17.9	4.12	18.1	4.14	18.6	4.18	19.0	4.22		
27	12.6			2.65	15.0	3.41	17.4	4.27	17.6	4.30	17.9	4.32	18.3	4.36	18.8	4.40		
29	12.6			2.83	15.0	3.64	17.1	4.45	17.4	4.47	17.6	4.49	18.1	4.53	18.5	4.58		
31	12.6			3.01	15.0	3.89	16.9	4.62	17.1	4.65	17.3	4.67	17.8	4.71	18.2	4.76		
33	12.6			3.21	15.0	4.15	16.6	4.80	16.8	4.82	17.1	4.84	17.5	4.89	18.0	4.94		
35	12.6			3.42	15.0	4.42	16.4	4.97	16.6	5.00	16.8	5.02	17.3	5.07	17.7	5.12		
37	12.6			3.64	15.0	4.71	16.1	5.15	16.3	5.17	16.5	5.20	17.0	5.25	17.5	5.30		
39	12.6			3.87	15.0	5.02	15.8	5.32	16.1	5.35	16.3	5.38	16.7	5.43	17.2	5.49		
110	17.60			10	11.5	1.78	13.7	2.17	15.9	2.57	17.1	2.78	18.2	2.99	20.2	3.36	20.6	3.25
				12	11.5	1.81	13.7	2.21	15.9	2.62	17.1	2.84	18.2	3.05	19.9	3.35	20.3	3.23
		14	11.5	1.85	13.7	2.25	15.9	2.67	17.1	2.89	18.2	3.11	19.7	3.33	20.1	3.23		
		16	11.5	1.88	13.7	2.29	15.9	2.73	17.1	2.95	18.2	3.17	19.4	3.37	19.8	3.40		
		18	11.5	1.92	13.7	2.34	15.9	2.78	17.1	3.03	18.2	3.33	19.1	3.55	19.6	3.57		
		20	11.5	1.95	13.7	2.39	15.9	2.94	17.1	3.25	18.2	3.58	18.9	3.72	19.3	3.75		
		21	11.5	1.97	13.7	2.46	15.9	3.05	17.1	3.37	18.2	3.71	18.8	3.80	19.2	3.83		
		23	11.5	2.06	13.7	2.63	15.9	3.27	17.1	3.62	18.1	3.95	18.5	3.98	18.9	4.01		
		25	11.5	2.20	13.7	2.81	15.9	3.50	17.1	3.87	17.8	4.12	18.2	4.15	18.6	4.19		
		27	11.5	2.35	13.7	3.01	15.9	3.74	17.1	4.14	17.6	4.29	18.0	4.33	18.4	4.36		
		29	11.5	2.51	13.7	3.21	15.9	4.00	17.1	4.43	17.3	4.46	17.7	4.50	18.1	4.54		
		31	11.5	2.67	13.7	3.42	15.9	4.27	16.8	4.62	17.0	4.64	17.4	4.68	17.9	4.72		
		33	11.5	2.84	13.7	3.65	15.9	4.56	16.6	4.79	16.8	4.81	17.2	4.86	17.6	4.90		
		35	11.5	3.02	13.7	3.89	15.9	4.86	16.3	4.97	16.5	4.99	16.9	5.03	17.3	5.08		
		37	11.5	3.21	13.7	4.14	15.8	5.12	16.0	5.14	16.2	5.16	16.7	5.21	17.1	5.26		
		39	11.5	3.42	13.7	4.41	15.6	5.29	15.8	5.32	16.0	5.34	16.4	5.39	16.8	5.44		
		100	16.00	10	10.5	1.61	12.5	1.95	14.5	2.31	15.5	2.49	16.5	2.68	18.5	3.06	20.2	3.36
				12	10.5	1.63	12.5	1.98	14.5	2.35	15.5	2.54	16.5	2.73	18.5	3.12	20.0	3.34
14	10.5			1.66	12.5	2.02	14.5	2.39	15.5	2.59	16.5	2.78	18.5	3.18	19.7	3.32		
16	10.5			1.69	12.5	2.06	14.5	2.44	15.5	2.64	16.5	2.84	18.5	3.24	19.4	3.38		
18	10.5			1.72	12.5	2.10	14.5	2.49	15.5	2.69	16.5	2.89	18.5	3.43	19.2	3.55		
20	10.5			1.76	12.5	2.14	14.5	2.56	15.5	2.83	16.5	3.10	18.5	3.69	18.9	3.72		
21	10.5			1.77	12.5	2.16	14.5	2.66	15.5	2.93	16.5	3.21	18.4	3.78	18.8	3.81		
23	10.5			1.82	12.5	2.30	14.5	2.84	15.5	3.14	16.5	3.44	18.1	3.95	18.5	3.98		
25	10.5			1.94	12.5	2.46	14.5	3.04	15.5	3.36	16.5	3.69	17.9	4.12	18.3	4.15		
27	10.5			2.07	12.5	2.63	14.5	3.25	15.5	3.59	16.5	3.95	17.6	4.30	18.0	4.33		
29	10.5			2.21	12.5	2.80	14.5	3.47	15.5	3.84	16.5	4.22	17.4	4.47	17.7	4.51		
31	10.5			2.35	12.5	2.99	14.5	3.71	15.5	4.10	16.5	4.51	17.1	4.64	17.5	4.68		
33	10.5			2.50	12.5	3.18	14.5	3.95	15.5	4.37	16.5	4.78	16.8	4.82	17.2	4.86		
35	10.5			2.65	12.5	3.39	14.5	4.21	15.5	4.66	16.2	4.95	16.6	5.00	16.9	5.04		
37	10.5			2.82	12.5	3.60	14.5	4.49	15.5	4.97	15.9	5.13	16.3	5.17	16.7	5.22		
39	10.5			2.99	12.5	3.83	14.5	4.78	15.5	5.28	15.7	5.30	16.0	5.35	16.4	5.40		

4TW30532-1

NOTE

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

3 Capacity tables

3 - 1 Cooling capacity tables

RXYSQ6PAY1			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	
90	14.40	10	9.41	1.44	11.2	1.73	13.0	2.05	14.0	2.21	14.9	2.37	16.7	2.71	18.5	3.06
		12	9.41	1.46	11.2	1.76	13.0	2.08	14.0	2.25	14.9	2.42	16.7	2.76	18.5	3.11
		14	9.41	1.49	11.2	1.80	13.0	2.12	14.0	2.29	14.9	2.46	16.7	2.82	18.5	3.17
		16	9.41	1.51	11.2	1.83	13.0	2.16	14.0	2.34	14.9	2.51	16.7	2.87	18.5	3.24
		18	9.41	1.54	11.2	1.86	13.0	2.21	14.0	2.38	14.9	2.56	16.7	2.93	18.5	3.42
		20	9.41	1.57	11.2	1.90	13.0	2.25	14.0	2.43	14.9	2.66	16.7	3.15	18.5	3.68
		21	9.41	1.58	11.2	1.92	13.0	2.29	14.0	2.52	14.9	2.75	16.7	3.26	18.4	3.78
		23	9.41	1.61	11.2	2.00	13.0	2.45	14.0	2.69	14.9	2.95	16.7	3.50	18.1	3.95
		25	9.41	1.70	11.2	2.13	13.0	2.62	14.0	2.88	14.9	3.16	16.7	3.74	17.9	4.12
		27	9.41	1.81	11.2	2.28	13.0	2.80	14.0	3.08	14.9	3.37	16.7	4.01	17.6	4.30
		29	9.41	1.93	11.2	2.42	13.0	2.98	14.0	3.29	14.9	3.60	16.7	4.28	17.4	4.47
		31	9.41	2.05	11.2	2.58	13.0	3.18	14.0	3.50	14.9	3.84	16.7	4.57	17.1	4.64
		33	9.41	2.17	11.2	2.75	13.0	3.39	14.0	3.74	14.9	4.10	16.5	4.78	16.8	4.82
		35	9.41	2.31	11.2	2.92	13.0	3.61	14.0	3.98	14.9	4.37	16.2	4.96	16.6	5.00
		37	9.41	2.45	11.2	3.11	13.0	3.84	14.0	4.24	14.9	4.66	16.0	5.13	16.3	5.17
		39	9.41	2.60	11.2	3.30	13.0	4.09	14.0	4.52	14.9	4.96	15.7	5.31	16.0	5.35
80	12.80	10	8.37	1.28	10.0	1.53	11.6	1.80	12.4	1.93	13.2	2.08	14.8	2.37	16.4	2.67
		12	8.37	1.30	10.0	1.55	11.6	1.83	12.4	1.97	13.2	2.11	14.8	2.41	16.4	2.72
		14	8.37	1.32	10.0	1.58	11.6	1.86	12.4	2.01	13.2	2.15	14.8	2.46	16.4	2.77
		16	8.37	1.34	10.0	1.61	11.6	1.90	12.4	2.04	13.2	2.19	14.8	2.50	16.4	2.82
		18	8.37	1.36	10.0	1.64	11.6	1.93	12.4	2.08	13.2	2.24	14.8	2.55	16.4	2.88
		20	8.37	1.39	10.0	1.67	11.6	1.97	12.4	2.12	13.2	2.28	14.8	2.65	16.4	3.08
		21	8.37	1.40	10.0	1.69	11.6	1.99	12.4	2.15	13.2	2.33	14.8	2.74	16.4	3.19
		23	8.37	1.43	10.0	1.72	11.6	2.09	12.4	2.28	13.2	2.49	14.8	2.94	16.4	3.42
		25	8.37	1.47	10.0	1.83	11.6	2.23	12.4	2.44	13.2	2.66	14.8	3.14	16.4	3.66
		27	8.37	1.57	10.0	1.95	11.6	2.38	12.4	2.61	13.2	2.85	14.8	3.36	16.4	3.92
		29	8.37	1.66	10.0	2.07	11.6	2.53	12.4	2.78	13.2	3.04	14.8	3.59	16.4	4.19
		31	8.37	1.77	10.0	2.21	11.6	2.70	12.4	2.96	13.2	3.24	14.8	3.83	16.4	4.47
		33	8.37	1.88	10.0	2.35	11.6	2.87	12.4	3.15	13.2	3.45	14.8	4.09	16.4	4.77
		35	8.37	1.99	10.0	2.49	11.6	3.05	12.4	3.36	13.2	3.67	14.8	4.36	16.2	4.95
		37	8.37	2.11	10.0	2.65	11.6	3.25	12.4	3.57	13.2	3.91	14.8	4.64	15.9	5.13
		39	8.37	2.23	10.0	2.81	11.6	3.45	12.4	3.80	13.2	4.16	14.8	4.94	15.7	5.30
70	11.20	10	7.32	1.12	8.73	1.33	10.1	1.55	10.9	1.67	11.6	1.79	13.0	2.03	14.4	2.29
		12	7.32	1.14	8.73	1.35	10.1	1.58	10.9	1.70	11.6	1.82	13.0	2.07	14.4	2.33
		14	7.32	1.16	8.73	1.38	10.1	1.61	10.9	1.73	11.6	1.85	13.0	2.11	14.4	2.37
		16	7.32	1.18	8.73	1.40	10.1	1.64	10.9	1.76	11.6	1.89	13.0	2.15	14.4	2.42
		18	7.32	1.19	8.73	1.42	10.1	1.67	10.9	1.80	11.6	1.92	13.0	2.19	14.4	2.47
		20	7.32	1.21	8.73	1.45	10.1	1.70	10.9	1.83	11.6	1.96	13.0	2.23	14.4	2.54
		21	7.32	1.23	8.73	1.46	10.1	1.72	10.9	1.85	11.6	1.98	13.0	2.27	14.4	2.63
		23	7.32	1.25	8.73	1.49	10.1	1.75	10.9	1.91	11.6	2.08	13.0	2.43	14.4	2.81
		25	7.32	1.27	8.73	1.55	10.1	1.87	10.9	2.04	11.6	2.22	13.0	2.60	14.4	3.01
		27	7.32	1.34	8.73	1.65	10.1	1.99	10.9	2.17	11.6	2.37	13.0	2.77	14.4	3.22
		29	7.32	1.42	8.73	1.75	10.1	2.12	10.9	2.32	11.6	2.52	13.0	2.96	14.4	3.43
		31	7.32	1.51	8.73	1.86	10.1	2.25	10.9	2.46	11.6	2.68	13.0	3.15	14.4	3.66
		33	7.32	1.60	8.73	1.98	10.1	2.40	10.9	2.62	11.6	2.86	13.0	3.36	14.4	3.91
		35	7.32	1.69	8.73	2.10	10.1	2.55	10.9	2.79	11.6	3.04	13.0	3.58	14.4	4.16
		37	7.32	1.79	8.73	2.22	10.1	2.70	10.9	2.96	11.6	3.23	13.0	3.81	14.4	4.44
		39	7.32	1.90	8.73	2.36	10.1	2.87	10.9	3.15	11.6	3.44	13.0	4.05	14.4	4.72
60	9.60	10	6.28	0.98	7.49	1.15	8.70	1.33	9.30	1.42	9.90	1.52	11.1	1.71	12.3	1.92
		12	6.28	0.99	7.49	1.16	8.70	1.35	9.30	1.44	9.90	1.54	11.1	1.74	12.3	1.96
		14	6.28	1.00	7.49	1.18	8.70	1.37	9.30	1.47	9.90	1.57	11.1	1.78	12.3	1.99
		16	6.28	1.02	7.49	1.20	8.70	1.39	9.30	1.49	9.90	1.60	11.1	1.81	12.3	2.03
		18	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
		20	6.28	1.05	7.49	1.24	8.70	1.44	9.30	1.55	9.90	1.66	11.1	1.88	12.3	2.11
		21	6.28	1.06	7.49	1.25	8.70	1.46	9.30	1.56	9.90	1.67	11.1	1.90	12.3	2.13
		23	6.28	1.08	7.49	1.27	8.70	1.48	9.30	1.59	9.90	1.70	11.1	1.97	12.3	2.27
		25	6.28	1.09	7.49	1.30	8.70	1.54	9.30	1.67	9.90	1.81	11.1	2.10	12.3	2.42
		27	6.28	1.13	7.49	1.38	8.70	1.64	9.30	1.78	9.90	1.93	11.1	2.24	12.3	2.58
		29	6.28	1.20	7.49	1.46	8.70	1.74	9.30	1.90	9.90	2.05	11.1	2.39	12.3	2.75
		31	6.28	1.27	7.49	1.55	8.70	1.85	9.30	2.01	9.90	2.18	11.1	2.55	12.3	2.94
		33	6.28	1.35	7.49	1.64	8.70	1.97	9.30	2.14	9.90	2.32	11.1	2.71	12.3	3.13
		35	6.28	1.42	7.49	1.74	8.70	2.09	9.30	2.27	9.90	2.47	11.1	2.88	12.3	3.33
		37	6.28	1.50	7.49	1.84	8.70	2.21	9.30	2.41	9.90	2.62	11.1	3.06	12.3	3.54
		39	6.28	1.59	7.49	1.95	8.70	2.34	9.30	2.56	9.90	2.78	11.1	3.25	12.3	3.77
50	8.00	10	5.23	0.84	6.24	0.97	7.25	1.11	7.75	1.18	8.25	1.26	9.26	1.41	10.3	1.57
		12	5.23	0.85	6.24	0.98	7.25	1.13	7.75	1.20	8.25	1.28	9.26	1.44	10.3	1.60
		14	5.23	0.86	6.24	1.00	7.25	1.15	7.75	1.22	8.25	1.30	9.26	1.46	10.3	1.63
		16	5.23	0.87	6.24	1.01	7.25	1.16	7.75	1.24	8.25	1.32	9.26	1.49	10.3	1.66
		18	5.23	0.88	6.24	1.03	7.25	1.18	7.75	1.26	8.25	1.34	9.26	1.51	10.3	1.69
		20	5.23	0.90	6.24	1.05	7.25	1.20	7.75	1.28	8.25	1.37	9.26	1.54	10.3	1.72
		21	5.23	0.90	6.24	1.05	7.25	1.21	7.75	1.30	8.25	1.38	9.26	1.56	10.3	1.74
		23	5.23	0.92	6.24	1.07	7.25	1.23	7.75	1.32	8.25	1.41	9.26	1.59	10.3	1.78
		25	5.23	0.93	6.24	1.09	7.25	1.26	7.75	1.35	8.25	1.45	9.26	1.67	10.3	1.90
		27	5.23	0.95	6.24	1.13	7.25	1.33	7.75	1.43	8.25	1.54	9.26	1.77	10.3	2.02
		29	5.23	1.00	6.24	1.19	7.25	1.41	7.75	1.52	8.25	1.64	9.26	1.89	10.3	2.15
		31	5.23	1.06	6.24	1.26	7.25	1.49	7.75	1.61	8.25	1.74	9.26	2.00	10.3	2.29
		33	5.23	1.12	6.24	1.34	7.25	1.58	7.75	1.71	8.25	1.84	9.26	2.13	10.3	2.44
		35	5.23	1.18	6.24	1.41	7.25	1.67	7.75	1.81	8.25	1.96	9.26	2.26	10.3	2.59
		37	5.23	1.24	6.24	1.49	7.25	1.77	7.75	1.92	8.25	2.07	9.26	2.40	10.3	2.75
		39	5.23	1.31	6.24	1.58	7.25	1.87	7.75	2.03	8.25	2.20	9.26	2.54	10.3	2.92

4TW30532-1

3 Capacity tables

3 - 2 Heating capacity tables

3

RXYSQ4PAY1		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
130	16.25	-19.8	-20	10.2	3.35	10.2	3.49	10.1	3.62	10.1	3.69	10.1	3.76	10.1	3.90
		-18.8	-19	10.5	3.43	10.5	3.56	10.4	3.69	10.4	3.76	10.4	3.82	10.4	3.95
		-16.7	-17	11.1	3.56	11.1	3.69	11.0	3.81	11.0	3.87	11.0	3.94	11.0	4.06
		-14.7	-15	11.7	3.68	11.7	3.80	11.7	3.92	11.6	3.98	11.6	4.04	11.6	4.15
		-12.6	-13	12.3	3.79	12.3	3.91	12.3	4.02	12.3	4.07	12.2	4.13	12.2	4.24
		-10.5	-11	12.9	3.89	12.9	4.00	12.9	4.11	12.9	4.16	12.9	4.21	12.8	4.32
		-9.5	-10	13.2	3.94	13.2	4.04	13.2	4.15	13.2	4.20	13.2	4.25	13.1	4.35
		-8.5	-9.1	13.5	3.98	13.5	4.08	13.5	4.18	13.4	4.23	13.4	4.28	13.4	4.38
		-7.0	-7.6	14.0	4.04	13.9	4.14	13.9	4.24	13.9	4.29	13.9	4.34	13.9	4.43
		-5.0	-5.6	14.6	4.12	14.6	4.21	14.5	4.31	14.5	4.35	14.5	4.40	14.2	4.34
		-3.0	-3.7	15.2	4.19	15.1	4.28	15.1	4.37	15.1	4.41	15.1	4.46	14.2	4.12
		0.0	-0.7	16.1	4.29	16.1	4.37	16.0	4.46	16.0	4.47	15.7	4.37	15.2	3.82
		3.0	2.2	17.0	4.37	16.9	4.45	16.3	4.25	15.7	4.07	15.2	3.90	14.2	3.57
		5.0	4.1	17.6	4.42	17.3	4.41	16.3	4.07	15.7	3.90	15.2	3.74	14.2	3.42
		7.0	6	18.1	4.47	17.3	4.22	16.3	3.90	15.7	3.74	15.2	3.58	14.2	3.28
		9.0	7.9	18.3	4.37	17.3	4.05	16.3	3.74	15.7	3.59	15.2	3.44	14.2	3.16
		11.0	9.8	18.3	4.20	17.3	3.90	16.3	3.60	15.7	3.46	15.2	3.32	14.2	3.04
13.0	11.8	18.3	4.03	17.3	3.74	16.3	3.46	15.7	3.33	15.2	3.19	14.2	2.93		
15.0	13.7	18.3	3.89	17.3	3.61	16.3	3.34	15.7	3.21	15.2	3.08	14.2	2.83		
120	15.00	-19.8	-20	10.1	3.54	10.1	3.66	10.1	3.79	10.1	3.85	10.1	3.91	10.0	4.04
		-18.8	-19	10.5	3.60	10.4	3.73	10.4	3.85	10.4	3.91	10.4	3.97	10.3	4.09
		-16.7	-17	11.1	3.73	11.0	3.85	11.0	3.96	11.0	4.02	11.0	4.07	11.0	4.19
		-14.7	-15	11.7	3.84	11.6	3.95	11.6	4.06	11.6	4.11	11.6	4.17	11.6	4.28
		-12.6	-13	12.3	3.94	12.3	4.05	12.2	4.15	12.2	4.20	12.2	4.25	12.2	4.36
		-10.5	-11	12.9	4.04	12.9	4.13	12.8	4.23	12.8	4.28	12.8	4.33	12.8	4.43
		-9.5	-10	13.2	4.08	13.2	4.17	13.2	4.27	13.1	4.32	13.1	4.37	13.1	4.45
		-8.5	-9.1	13.5	4.12	13.5	4.21	13.4	4.30	13.4	4.35	13.4	4.40	13.1	4.33
		-7.0	-7.6	13.9	4.17	13.9	4.27	13.9	4.36	13.9	4.40	13.9	4.45	13.1	4.14
		-5.0	-5.6	14.5	4.25	14.5	4.33	14.5	4.42	14.5	4.46	14.0	4.29	13.1	3.91
		-3.0	-3.7	15.1	4.31	15.1	4.39	15.0	4.44	14.5	4.26	14.0	4.07	13.1	3.72
		0.0	-0.7	16.0	4.40	16.0	4.45	15.0	4.11	14.5	3.94	14.0	3.78	13.1	3.45
		3.0	2.2	16.9	4.48	16.0	4.15	15.0	3.83	14.5	3.68	14.0	3.53	13.1	3.23
		5.0	4.1	16.9	4.29	16.0	3.97	15.0	3.67	14.5	3.52	14.0	3.38	13.1	3.10
		7.0	6	16.9	4.11	16.0	3.81	15.0	3.52	14.5	3.38	14.0	3.25	13.1	2.98
		9.0	7.9	16.9	3.94	16.0	3.66	15.0	3.39	14.5	3.25	14.0	3.12	13.1	2.86
		11.0	9.8	16.9	3.79	16.0	3.52	15.0	3.26	14.5	3.13	14.0	3.01	13.1	2.76
13.0	11.8	16.9	3.64	16.0	3.39	15.0	3.14	14.5	3.02	14.0	2.90	13.1	2.66		
15.0	13.7	16.9	3.51	16.0	3.27	15.0	3.03	14.5	2.91	14.0	2.80	13.1	2.57		
110	13.75	-19.8	-20	10.1	3.72	10.1	3.83	10.1	3.95	10.0	4.01	10.0	4.06	10.0	4.18
		-18.8	-19	10.4	3.78	10.4	3.89	10.4	4.00	10.4	4.06	10.3	4.12	10.3	4.23
		-16.7	-17	11.0	3.90	11.0	4.00	11.0	4.11	11.0	4.16	11.0	4.21	10.9	4.32
		-14.7	-15	11.6	4.00	11.6	4.10	11.6	4.20	11.6	4.25	11.6	4.30	11.5	4.40
		-12.6	-13	12.2	4.10	12.2	4.19	12.2	4.28	12.2	4.33	12.2	4.38	12.0	4.37
		-10.5	-11	12.9	4.18	12.8	4.27	12.8	4.36	12.8	4.40	12.8	4.45	12.0	4.10
		-9.5	-10	13.2	4.22	13.1	4.31	13.1	4.39	13.1	4.44	12.9	4.36	12.0	3.97
		-8.5	-9.1	13.4	4.25	13.4	4.34	13.4	4.42	13.3	4.43	12.9	4.24	12.0	3.87
		-7.0	-7.6	13.9	4.31	13.9	4.39	13.8	4.42	13.3	4.24	12.9	4.06	12.0	3.71
		-5.0	-5.6	14.5	4.37	14.5	4.45	13.8	4.18	13.3	4.01	12.9	3.84	12.0	3.51
		-3.0	-3.7	15.1	4.43	14.6	4.30	13.8	3.97	13.3	3.81	12.9	3.65	12.0	3.34
		0.0	-0.7	15.5	4.29	14.6	3.98	13.8	3.68	13.3	3.53	12.9	3.39	12.0	3.10
		3.0	2.2	15.5	4.00	14.6	3.72	13.8	3.44	13.3	3.30	12.9	3.17	12.0	2.90
		5.0	4.1	15.5	3.83	14.6	3.56	13.8	3.29	13.3	3.17	12.9	3.04	12.0	2.79
		7.0	6	15.5	3.68	14.6	3.42	13.8	3.16	13.3	3.04	12.9	2.92	12.0	2.68
		9.0	7.9	15.5	3.53	14.6	3.28	13.8	3.04	13.3	2.93	12.9	2.81	12.0	2.58
		11.0	9.8	15.5	3.40	14.6	3.16	13.8	2.93	13.3	2.82	12.9	2.71	12.0	2.49
13.0	11.8	15.5	3.27	14.6	3.04	13.8	2.82	13.3	2.72	12.9	2.61	12.0	2.40		
15.0	13.7	15.5	3.16	14.6	2.94	13.8	2.73	13.3	2.63	12.9	2.52	12.0	2.32		
100	12.50	-19.8	-20	10.1	3.90	10.0	4.01	10.0	4.11	10.0	4.16	10.0	4.22	10.0	4.32
		-18.8	-19	10.4	3.96	10.4	4.06	10.3	4.16	10.3	4.21	10.3	4.26	10.3	4.36
		-16.7	-17	11.0	4.07	11.0	4.16	10.9	4.26	10.9	4.30	10.9	4.35	10.9	4.44
		-14.7	-15	11.6	4.16	11.6	4.25	11.6	4.34	11.5	4.39	11.5	4.43	10.9	4.14
		-12.6	-13	12.2	4.25	12.2	4.33	12.2	4.42	12.1	4.43	11.7	4.24	10.9	3.87
		-10.5	-11	12.8	4.32	12.8	4.40	12.5	4.33	12.1	4.15	11.7	3.97	10.9	3.63
		-9.5	-10	13.1	4.36	13.1	4.44	12.5	4.20	12.1	4.02	11.7	3.85	10.9	3.52
		-8.5	-9.1	13.4	4.39	13.3	4.43	12.5	4.08	12.1	3.92	11.7	3.75	10.9	3.43
		-7.0	-7.6	13.9	4.44	13.3	4.24	12.5	3.91	12.1	3.75	11.7	3.59	10.9	3.29
		-5.0	-5.6	14.1	4.32	13.3	4.00	12.5	3.70	12.1	3.55	11.7	3.40	10.9	3.12
		-3.0	-3.7	14.1	4.10	13.3	3.81	12.5	3.52	12.1	3.38	11.7	3.24	10.9	2.97
		0.0	-0.7	14.1	3.80	13.3	3.53	12.5	3.27	12.1	3.14	11.7	3.01	10.9	2.77
		3.0	2.2	14.1	3.55	13.3	3.30	12.5	3.06	12.1	2.94	11.7	2.82	10.9	2.59
		5.0	4.1	14.1	3.40	13.3	3.16	12.5	2.93	12.1	2.82	11.7	2.71	10.9	2.49
		7.0	6	14.1	3.27	13.3	3.04	12.5	2.82	12.1	2.71	11.7	2.61	10.9	2.40
		9.0	7.9	14.1	3.14	13.3	2.92	12.5	2.72	12.1	2.61	11.7	2.51	10.9	2.31
		11.0	9.8	14.1	3.03	13.3	2.82	12.5	2.62	12.1	2.52	11.7	2.42	10.9	2.23
13.0	11.8	14.1	2.91	13.3	2.72	12.5	2.52	12.1	2.43	11.7	2.34	10.9	2.16		
15.0	13.7	14.1	2.81	13.3	2.62	12.5	2.44	12.1	2.35	11.7	2.26	10.9	2.09		

4TW30532-2

NOTE

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

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ4PAY1				Indoor air temp. (°CWB)											
Combination (%)	Capacity index (kW)	Outdoor air temp.		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
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	11.25	-19.8	-20	10.0	4.09	10.0	4.18	10.0	4.27	10.0	4.32	10.0	4.37	9.80	4.35
		-18.8	-19	10.3	4.14	10.3	4.23	10.3	4.32	10.3	4.37	10.3	4.41	9.80	4.18
		-16.7	-17	10.9	4.23	10.9	4.32	10.9	4.40	10.9	4.44	10.5	4.25	9.80	3.88
		-14.7	-15	11.6	4.32	11.5	4.40	11.3	4.31	10.9	4.13	10.5	3.96	9.80	3.62
		-12.6	-13	12.2	4.40	12.0	4.37	11.3	4.03	10.9	3.86	10.5	3.70	9.80	3.39
		-10.5	-11	12.7	4.42	12.0	4.09	11.3	3.78	10.9	3.63	10.5	3.48	9.80	3.19
		-9.5	-10	12.7	4.28	12.0	3.97	11.3	3.67	10.9	3.52	10.5	3.38	9.80	3.09
		-8.5	-9.1	12.7	4.17	12.0	3.87	11.3	3.57	10.9	3.43	10.5	3.29	9.80	3.02
		-7.0	-7.6	12.7	3.99	12.0	3.70	11.3	3.42	10.9	3.29	10.5	3.15	9.80	2.89
		-5.0	-5.6	12.7	3.77	12.0	3.50	11.3	3.24	10.9	3.12	10.5	2.99	9.80	2.75
		-3.0	-3.7	12.7	3.59	12.0	3.33	11.3	3.09	10.9	2.97	10.5	2.85	9.80	2.62
		0.0	-0.7	12.7	3.33	12.0	3.10	11.3	2.87	10.9	2.76	10.5	2.66	9.80	2.44
		3.0	2.2	12.7	3.12	12.0	2.90	11.3	2.69	10.9	2.59	10.5	2.49	9.80	2.30
		5.0	4.1	12.7	2.99	12.0	2.79	11.3	2.59	10.9	2.49	10.5	2.40	9.80	2.21
		7.0	6	12.7	2.87	12.0	2.68	11.3	2.49	10.9	2.40	10.5	2.31	9.80	2.13
		9.0	7.9	12.7	2.77	12.0	2.58	11.3	2.40	10.9	2.31	10.5	2.22	9.80	2.05
		11.0	9.8	12.7	2.67	12.0	2.49	11.3	2.32	10.9	2.23	10.5	2.15	9.80	1.98
13.0	11.8	12.7	2.57	12.0	2.40	11.3	2.24	10.9	2.15	10.5	2.07	9.80	1.92		
15.0	13.7	12.7	2.49	12.0	2.32	11.3	2.16	10.9	2.09	10.5	2.01	9.80	1.86		
80	10.00	-19.8	-20	10.0	4.27	10.0	4.35	10.0	4.44	9.68	4.28	9.36	4.10	8.71	3.74
		-18.8	-19	10.3	4.32	10.3	4.40	10.0	4.29	9.68	4.11	9.36	3.94	8.71	3.60
		-16.7	-17	10.9	4.40	10.6	4.31	10.0	3.98	9.68	3.82	9.36	3.66	8.71	3.35
		-14.7	-15	11.3	4.33	10.6	4.01	10.0	3.71	9.68	3.56	9.36	3.41	8.71	3.13
		-12.6	-13	11.3	4.05	10.6	3.75	10.0	3.47	9.68	3.33	9.36	3.20	8.71	2.93
		-10.5	-11	11.3	3.80	10.6	3.53	10.0	3.26	9.68	3.14	9.36	3.01	8.71	2.76
		-9.5	-10	11.3	3.68	10.6	3.42	10.0	3.17	9.68	3.05	9.36	2.92	8.71	2.69
		-8.5	-9.1	11.3	3.59	10.6	3.33	10.0	3.09	9.68	2.97	9.36	2.85	8.71	2.62
		-7.0	-7.6	11.3	3.44	10.6	3.20	10.0	2.96	9.68	2.85	9.36	2.74	8.71	2.52
		-5.0	-5.6	11.3	3.26	10.6	3.03	10.0	2.81	9.68	2.70	9.36	2.60	8.71	2.39
		-3.0	-3.7	11.3	3.10	10.6	2.89	10.0	2.68	9.68	2.58	9.36	2.48	8.71	2.29
		0.0	-0.7	11.3	2.89	10.6	2.69	10.0	2.50	9.68	2.41	9.36	2.32	8.71	2.14
		3.0	2.2	11.3	2.70	10.6	2.52	10.0	2.35	9.68	2.26	9.36	2.18	8.71	2.01
		5.0	4.1	11.3	2.60	10.6	2.43	10.0	2.26	9.68	2.18	9.36	2.10	8.71	1.94
		7.0	6	11.3	2.50	10.6	2.34	10.0	2.18	9.68	2.10	9.36	2.02	8.71	1.87
		9.0	7.9	11.3	2.41	10.6	2.25	10.0	2.10	9.68	2.02	9.36	1.95	8.71	1.80
		11.0	9.8	11.3	2.33	10.6	2.18	10.0	2.03	9.68	1.96	9.36	1.89	8.71	1.75
13.0	11.8	11.3	2.24	10.6	2.10	10.0	1.96	9.68	1.89	9.36	1.82	8.71	1.69		
15.0	13.7	11.3	2.17	10.6	2.03	10.0	1.90	9.68	1.83	9.36	1.77	8.71	1.64		
70	8.75	-19.8	-20	9.87	4.39	9.31	4.07	8.75	3.76	8.47	3.61	8.19	3.46	7.63	3.17
		-18.8	-19	9.87	4.22	9.31	3.92	8.75	3.62	8.47	3.47	8.19	3.33	7.63	3.05
		-16.7	-17	9.87	3.92	9.31	3.64	8.75	3.36	8.47	3.23	8.19	3.10	7.63	2.84
		-14.7	-15	9.87	3.65	9.31	3.39	8.75	3.14	8.47	3.02	8.19	2.90	7.63	2.66
		-12.6	-13	9.87	3.42	9.31	3.18	8.75	2.95	8.47	2.83	8.19	2.72	7.63	2.50
		-10.5	-11	9.87	3.21	9.31	2.99	8.75	2.78	8.47	2.67	8.19	2.57	7.63	2.36
		-9.5	-10	9.87	3.12	9.31	2.91	8.75	2.70	8.47	2.60	8.19	2.50	7.63	2.30
		-8.5	-9.1	9.87	3.04	9.31	2.83	8.75	2.63	8.47	2.53	8.19	2.44	7.63	2.24
		-7.0	-7.6	9.87	2.92	9.31	2.72	8.75	2.53	8.47	2.43	8.19	2.34	7.63	2.16
		-5.0	-5.6	9.87	2.77	9.31	2.58	8.75	2.40	8.47	2.31	8.19	2.23	7.63	2.06
		-3.0	-3.7	9.87	2.64	9.31	2.47	8.75	2.30	8.47	2.21	8.19	2.13	7.63	1.97
		0.0	-0.7	9.87	2.46	9.31	2.30	8.75	2.15	8.47	2.07	8.19	1.99	7.63	1.84
		3.0	2.2	9.87	2.31	9.31	2.17	8.75	2.02	8.47	1.95	8.19	1.88	7.63	1.74
		5.0	4.1	9.87	2.23	9.31	2.08	8.75	1.94	8.47	1.88	8.19	1.81	7.63	1.68
		7.0	6	9.87	2.15	9.31	2.01	8.75	1.88	8.47	1.81	8.19	1.75	7.63	1.62
		9.0	7.9	9.87	2.07	9.31	1.94	8.75	1.81	8.47	1.75	8.19	1.69	7.63	1.57
		11.0	9.8	9.87	2.00	9.31	1.88	8.75	1.75	8.47	1.69	8.19	1.63	7.63	1.52
13.0	11.8	9.87	1.93	9.31	1.81	8.75	1.70	8.47	1.64	8.19	1.58	7.63	1.47		
15.0	13.7	9.87	1.87	9.31	1.76	8.75	1.65	8.47	1.59	8.19	1.53	7.63	1.43		
60	7.50	-19.8	-20	8.46	3.61	7.98	3.35	7.50	3.11	7.26	2.98	7.02	2.87	6.54	2.63
		-18.8	-19	8.46	3.47	7.98	3.23	7.50	2.99	7.26	2.88	7.02	2.76	6.54	2.54
		-16.7	-17	8.46	3.23	7.98	3.00	7.50	2.79	7.26	2.68	7.02	2.58	6.54	2.37
		-14.7	-15	8.46	3.02	7.98	2.81	7.50	2.61	7.26	2.51	7.02	2.42	6.54	2.23
		-12.6	-13	8.46	2.83	7.98	2.64	7.50	2.46	7.26	2.36	7.02	2.27	6.54	2.10
		-10.5	-11	8.46	2.67	7.98	2.49	7.50	2.32	7.26	2.23	7.02	2.15	6.54	1.99
		-9.5	-10	8.46	2.59	7.98	2.42	7.50	2.26	7.26	2.17	7.02	2.09	6.54	1.93
		-8.5	-9.1	8.46	2.53	7.98	2.36	7.50	2.20	7.26	2.12	7.02	2.04	6.54	1.89
		-7.0	-7.6	8.46	2.43	7.98	2.27	7.50	2.12	7.26	2.04	7.02	1.97	6.54	1.82
		-5.0	-5.6	8.46	2.31	7.98	2.16	7.50	2.02	7.26	1.95	7.02	1.88	6.54	1.74
		-3.0	-3.7	8.46	2.21	7.98	2.07	7.50	1.93	7.26	1.86	7.02	1.80	6.54	1.66
		0.0	-0.7	8.46	2.07	7.98	1.94	7.50	1.81	7.26	1.75	7.02	1.69	6.54	1.56
		3.0	2.2	8.46	1.95	7.98	1.83	7.50	1.71	7.26	1.65	7.02	1.59	6.54	1.48
		5.0	4.1	8.46	1.88	7.98	1.76	7.50	1.65	7.26	1.59	7.02	1.54	6.54	1.43
		7.0	6	8.46	1.81	7.98	1.70	7.50	1.59	7.26	1.54	7.02	1.49	6.54	1.38
		9.0	7.9	8.46	1.75	7.98	1.64	7.50	1.54	7.26	1.49	7.02	1.44	6.54	1.34
		11.0	9.8	8.46	1.69	7.98	1.59	7.50	1.49	7.26	1.44	7.02	1.39	6.54	1.30
13.0	11.8	8.46	1.64	7.98	1.54	7.50	1.44	7.26	1.40	7.02	1.35	6.54	1.26		
15.0	13.7	8.46	1.59	7.98	1.50	7.50	1.40	7.26	1.36	7.02	1.31	6.54	1.22		
50	6.25	-19.8	-20	7.05	2.88	6.65	2.69	6.25	2.50	6.05	2.41	5.85	2.31	5.45	2.13
		-18.8	-19	7.05	2.78	6.65	2.59	6.25	2.41	6.05	2.32	5.85	2.23	5.45	2.06
		-16.7	-17	7.05	2.59	6.65	2.42	6.25	2.25	6.05	2.17	5.85	2.09	5.45	1.93
		-14.7	-15	7.05	2.43	6.65	2.27	6.25	2.12	6.05	2.04	5.85	1.97	5.45	1.82
		-12.6	-13	7.05	2.29	6.65	2.14	6.25	2.00	6.05	1.93	5.85	1.86	5.45	1.72
		-10.5	-11	7.05	2.16	6.65	2.02	6.25	1.89	6.05	1.82	5.85	1.76	5.45	1.63
		-9.5	-10	7.05	2.10	6.65	1.97	6.25	1.84	6.05	1.78	5.85	1.71	5.45	1.59
		-8.5	-9.1	7.05	2.06	6.65	1.93	6.25	1.80	6.05	1.74	5.85	1.68	5.45	1.56
		-7.0	-7.6	7.05	1.98	6.65	1.86	6.25	1.73	6.05	1.68	5.85	1.62	5.45	1.50
		-5.0	-5.6	7.05	1.89	6.65	1.77	6.25	1.66	6.05	1.60	5.85	1.54	5.45	1.44
		-3.0	-3.7	7.05	1.81	6.65	1.70	6.25	1.59	6.05	1.54	5.85	1.48	5.45	1.38
		0.0	-0.7	7.05	1.69	6.65	1.59	6.25	1.49	6.05	1.44	5.85	1.40	5.45	1.30
		3.0	2.2	7.05	1.60	6.65	1.51								

3 Capacity tables

3 - 2 Heating capacity tables

3

RXYSQ5PAY1		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
130	20.80	-19.8	-20.0	11.1	3.19	11.0	3.38	11.0	3.57	11.0	3.67	11.0	3.76	10.9	3.96
		-18.8	-19.0	11.4	3.30	11.4	3.48	11.3	3.67	11.3	3.76	11.3	3.85	11.3	4.04
		-16.7	-17.0	12.1	3.49	12.0	3.66	12.0	3.83	12.0	3.92	11.9	4.01	11.9	4.18
		-14.7	-15.0	12.7	3.66	12.7	3.82	12.6	3.99	12.6	4.07	12.6	4.15	12.6	4.32
		-12.6	-13.0	13.4	3.81	13.3	3.97	13.3	4.12	13.3	4.20	13.3	4.28	13.2	4.44
		-10.5	-11.0	14.0	3.95	14.0	4.10	14.0	4.25	13.9	4.32	13.9	4.39	13.9	4.54
		-9.5	-10.0	14.4	4.01	14.3	4.16	14.3	4.30	14.3	4.38	14.3	4.45	14.2	4.59
		-8.5	-9.1	14.7	4.07	14.6	4.21	14.6	4.35	14.6	4.42	14.5	4.50	14.5	4.64
		-7.0	-7.6	15.2	4.15	15.1	4.29	15.1	4.43	15.1	4.50	15.0	4.57	15.0	4.71
		-5.0	-5.6	15.8	4.26	15.8	4.40	15.7	4.53	15.7	4.59	15.7	4.66	15.7	4.79
		-3.0	-3.7	16.4	4.36	16.4	4.49	16.4	4.61	16.3	4.68	16.3	4.74	16.3	4.87
		0.0	-0.7	17.4	4.49	17.4	4.61	17.4	4.73	17.3	4.79	17.3	4.85	17.3	4.97
		3.0	2.2	18.4	4.61	18.3	4.73	18.3	4.84	18.3	4.90	18.3	4.95	18.1	5.02
		5.0	4.1	19.0	4.68	19.0	4.79	18.9	4.90	18.9	4.96	18.9	5.01	18.1	4.81
		7.0	6.0	19.6	4.75	19.6	4.86	19.6	4.96	19.5	5.02	19.5	5.05	18.1	4.62
		9.0	7.9	20.3	4.81	20.2	4.92	20.2	5.02	20.1	5.06	19.5	4.85	18.1	4.44
		11.0	9.8	20.9	4.87	20.8	4.97	20.8	5.07	20.1	4.87	19.5	4.67	18.1	4.28
13.0	11.8	21.5	4.93	21.5	5.03	20.8	4.87	20.1	4.68	19.5	4.49	18.1	4.12		
15.0	13.7	22.2	4.99	22.1	5.08	20.8	4.80	20.1	4.52	19.5	4.34	18.1	3.98		
120	19.20	-19.8	-20.0	11.0	3.45	11.0	3.63	11.0	3.80	10.9	3.89	10.9	3.98	10.9	4.15
		-18.8	-19.0	11.4	3.55	11.3	3.72	11.3	3.89	11.3	3.97	11.2	4.06	11.2	4.23
		-16.7	-17.0	12.0	3.72	12.0	3.88	11.9	4.04	11.9	4.12	11.9	4.21	11.9	4.37
		-14.7	-15.0	12.7	3.88	12.6	4.03	12.6	4.18	12.6	4.26	12.6	4.34	12.5	4.49
		-12.6	-13.0	13.3	4.02	13.3	4.17	13.3	4.31	13.2	4.38	13.2	4.45	13.2	4.60
		-10.5	-11.0	14.0	4.15	14.0	4.29	13.9	4.42	13.9	4.49	13.9	4.56	13.8	4.70
		-9.5	-10.0	14.3	4.21	14.3	4.34	14.2	4.48	14.2	4.54	14.2	4.61	14.2	4.75
		-8.5	-9.1	14.6	4.26	14.6	4.39	14.5	4.52	14.5	4.59	14.5	4.65	14.5	4.79
		-7.0	-7.6	15.1	4.34	15.1	4.47	15.0	4.60	15.0	4.66	15.0	4.72	15.0	4.85
		-5.0	-5.6	15.8	4.44	15.7	4.56	15.7	4.69	15.7	4.75	15.7	4.81	15.6	4.93
		-3.0	-3.7	16.4	4.53	16.4	4.65	16.3	4.76	16.3	4.82	16.3	4.88	16.3	5.00
		0.0	-0.7	17.4	4.66	17.3	4.77	17.3	4.88	17.3	4.93	17.3	4.99	16.7	4.86
		3.0	2.2	18.3	4.77	18.3	4.87	18.3	4.97	18.2	5.03	18.0	4.96	16.7	4.55
		5.0	4.1	19.0	4.83	18.9	4.93	18.9	5.03	18.6	4.96	18.0	4.76	16.7	4.36
		7.0	6.0	19.6	4.89	19.5	4.99	19.2	4.96	18.6	4.76	18.0	4.57	16.7	4.19
		9.0	7.9	20.2	4.95	20.2	5.05	19.2	4.77	18.6	4.58	18.0	4.39	16.7	4.03
		11.0	9.8	20.8	5.01	20.4	4.96	19.2	4.59	18.6	4.41	18.0	4.23	16.7	3.89
13.0	11.8	21.5	5.06	20.4	4.77	19.2	4.42	18.6	4.25	18.0	4.08	16.7	3.74		
15.0	13.7	21.7	4.95	20.4	4.60	19.2	4.26	18.6	4.10	18.0	3.94	16.7	3.62		
110	17.60	-19.8	-20.0	11.0	3.71	10.9	3.87	10.9	4.03	10.9	4.11	10.9	4.19	10.8	4.35
		-18.8	-19.0	11.3	3.80	11.3	3.95	11.2	4.11	11.2	4.19	11.2	4.27	11.2	4.42
		-16.7	-17.0	12.0	3.96	11.9	4.11	11.9	4.25	11.9	4.33	11.9	4.40	11.8	4.55
		-14.7	-15.0	12.6	4.10	12.6	4.24	12.6	4.38	12.5	4.45	12.5	4.52	12.5	4.66
		-12.6	-13.0	13.3	4.23	13.2	4.37	13.2	4.50	13.2	4.56	13.2	4.63	13.2	4.76
		-10.5	-11.0	13.9	4.35	13.9	4.48	13.9	4.60	13.9	4.67	13.8	4.73	13.8	4.86
		-9.5	-10.0	14.3	4.41	14.2	4.53	14.2	4.65	14.2	4.71	14.2	4.77	14.1	4.90
		-8.5	-9.1	14.6	4.45	14.5	4.57	14.5	4.69	14.5	4.75	14.5	4.81	14.4	4.94
		-7.0	-7.6	15.1	4.53	15.0	4.64	15.0	4.76	15.0	4.82	15.0	4.88	14.9	4.99
		-5.0	-5.6	15.7	4.62	15.7	4.73	15.7	4.84	15.6	4.90	15.6	4.95	15.3	4.94
		-3.0	-3.7	16.3	4.70	16.3	4.81	16.3	4.92	16.3	4.97	16.2	5.02	15.3	4.70
		0.0	-0.7	17.3	4.82	17.3	4.92	17.3	5.02	17.0	4.97	16.5	4.77	15.3	4.37
		3.0	2.2	18.3	4.92	18.2	5.01	17.6	4.84	17.0	4.65	16.5	4.46	15.3	4.09
		5.0	4.1	18.9	4.98	18.7	5.01	17.6	4.64	17.0	4.46	16.5	4.28	15.3	3.93
		7.0	6.0	19.5	5.04	18.7	4.81	17.6	4.45	17.0	4.28	16.5	4.11	15.3	3.78
		9.0	7.9	19.9	4.97	18.7	4.62	17.6	4.29	17.0	4.12	16.5	3.96	15.3	3.64
		11.0	9.8	19.9	4.79	18.7	4.45	17.6	4.13	17.0	3.97	16.5	3.81	15.3	3.51
13.0	11.8	19.9	4.60	18.7	4.29	17.6	3.98	17.0	3.82	16.5	3.68	15.3	3.38		
15.0	13.7	19.9	4.44	18.7	4.14	17.6	3.84	17.0	3.70	16.5	3.55	15.3	3.27		
100	16.00	-19.8	-20.0	10.9	3.97	10.9	4.11	10.9	4.26	10.9	4.33	10.8	4.41	10.8	4.55
		-18.8	-19.0	11.3	4.05	11.2	4.19	11.2	4.33	11.2	4.40	11.2	4.47	11.1	4.62
		-16.7	-17.0	11.9	4.19	11.9	4.33	11.9	4.46	11.8	4.53	11.8	4.60	11.8	4.73
		-14.7	-15.0	12.6	4.33	12.5	4.45	12.5	4.58	12.5	4.64	12.5	4.71	12.5	4.83
		-12.6	-13.0	13.2	4.44	13.2	4.56	13.2	4.69	13.2	4.75	13.1	4.81	13.1	4.93
		-10.5	-11.0	13.9	4.55	13.9	4.67	13.8	4.78	13.8	4.84	13.8	4.90	13.8	5.01
		-9.5	-10.0	14.2	4.60	14.2	4.71	14.2	4.83	14.1	4.88	14.1	4.94	13.9	4.96
		-8.5	-9.1	14.5	4.65	14.5	4.75	14.5	4.86	14.4	4.92	14.4	4.97	13.9	4.83
		-7.0	-7.6	15.0	4.71	15.0	4.82	14.9	4.93	14.9	4.98	14.9	5.03	13.9	4.63
		-5.0	-5.6	15.7	4.80	15.6	4.90	15.6	5.00	15.5	5.00	15.0	4.79	13.9	4.39
		-3.0	-3.7	16.3	4.87	16.3	4.97	16.0	4.95	15.5	4.76	15.0	4.56	13.9	4.18
		0.0	-0.7	17.3	4.98	17.0	4.97	16.0	4.60	15.5	4.42	15.0	4.24	13.9	3.89
		3.0	2.2	18.1	5.00	17.0	4.64	16.0	4.30	15.5	4.14	15.0	3.97	13.9	3.65
		5.0	4.1	18.1	4.79	17.0	4.45	16.0	4.13	15.5	3.97	15.0	3.81	13.9	3.51
		7.0	6.0	18.1	4.60	17.0	4.28	16.0	3.97	15.5	3.82	15.0	3.67	13.9	3.38
		9.0	7.9	18.1	4.42	17.0	4.12	16.0	3.82	15.5	3.68	15.0	3.54	13.9	3.26
		11.0	9.8	18.1	4.26	17.0	3.97	16.0	3.69	15.5	3.55	15.0	3.41	13.9	3.14
13.0	11.8	18.1	4.10	17.0	3.82	16.0	3.55	15.5	3.42	15.0	3.29	13.9	3.03		
15.0	13.7	18.1	3.96	17.0	3.70	16.0	3.44	15.5	3.31	15.0	3.18	13.9	2.94		

4TW30532-2

NOTE

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

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ5PAY1				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	4.22	10.8	4.36	10.8	4.49	10.8	4.55	10.8	4.62	10.8	4.75
		-18.8	-19.0	11.2	4.30	11.2	4.42	11.2	4.55	11.1	4.62	11.1	4.68	11.1	4.81
		-16.7	-17.0	11.9	4.43	11.8	4.55	11.8	4.67	11.8	4.73	11.8	4.79	11.8	4.91
		-14.7	-15.0	12.5	4.55	12.5	4.66	12.5	4.78	12.5	4.83	12.4	4.89	12.4	5.01
		-12.6	-13.0	13.2	4.66	13.2	4.76	13.1	4.87	13.1	4.93	13.1	4.98	12.6	4.77
		-10.5	-11.0	13.8	4.75	13.8	4.86	13.8	4.96	13.8	5.01	13.5	4.90	12.6	4.48
		-9.5	-10.0	14.2	4.80	14.1	4.90	14.1	5.00	13.9	4.96	13.5	4.75	12.6	4.36
		-8.5	-9.1	14.5	4.84	14.4	4.94	14.4	5.03	13.9	4.83	13.5	4.63	12.6	4.25
		-7.0	-7.6	15.0	4.90	14.9	5.00	14.4	4.82	13.9	4.63	13.5	4.44	12.6	4.07
		-5.0	-5.6	15.6	4.98	15.3	4.93	14.4	4.57	13.9	4.39	13.5	4.21	12.6	3.87
		-3.0	-3.7	16.2	5.04	15.3	4.69	14.4	4.35	13.9	4.18	13.5	4.01	12.6	3.69
		0.0	-0.7	16.3	4.69	15.3	4.36	14.4	4.05	13.9	3.89	13.5	3.74	12.6	3.44
		3.0	2.2	16.3	4.39	15.3	4.08	14.4	3.79	13.9	3.65	13.5	3.51	12.6	3.23
		5.0	4.1	16.3	4.21	15.3	3.92	14.4	3.64	13.9	3.51	13.5	3.37	12.6	3.11
		7.0	6.0	16.3	4.04	15.3	3.77	14.4	3.51	13.9	3.38	13.5	3.25	12.6	3.00
		9.0	7.9	16.3	3.89	15.3	3.63	14.4	3.38	13.9	3.25	13.5	3.13	12.6	2.89
		11.0	9.8	16.3	3.75	15.3	3.50	14.4	3.26	13.9	3.14	13.5	3.02	12.6	2.79
13.0	11.8	16.3	3.62	15.3	3.38	14.4	3.15	13.9	3.03	13.5	2.92	12.6	2.70		
15.0	13.7	16.3	3.50	15.3	3.27	14.4	3.05	13.9	2.94	13.5	2.83	12.6	2.62		
80	12.80	-19.8	-20.0	10.8	4.48	10.8	4.60	10.8	4.72	10.8	4.77	10.8	4.83	10.7	4.95
		-18.8	-19.0	11.2	4.55	11.1	4.66	11.1	4.77	11.1	4.83	11.1	4.89	11.1	5.00
		-16.7	-17.0	11.8	4.66	11.8	4.77	11.8	4.88	11.8	4.93	11.7	4.99	11.2	4.71
		-14.7	-15.0	12.5	4.77	12.4	4.87	12.4	4.97	12.4	5.01	12.0	4.80	11.2	4.40
		-12.6	-13.0	13.1	4.87	13.1	4.96	12.8	4.89	12.4	4.69	12.0	4.50	11.2	4.13
		-10.5	-11.0	13.8	4.95	13.6	4.96	12.8	4.60	12.4	4.41	12.0	4.24	11.2	3.89
		-9.5	-10.0	14.1	5.00	13.6	4.82	12.8	4.46	12.4	4.29	12.0	4.12	11.2	3.78
		-8.5	-9.1	14.4	5.03	13.6	4.69	12.8	4.35	12.4	4.18	12.0	4.01	11.2	3.69
		-7.0	-7.6	14.4	4.84	13.6	4.50	12.8	4.17	12.4	4.01	12.0	3.85	11.2	3.54
		-5.0	-5.6	14.4	4.58	13.6	4.27	12.8	3.96	12.4	3.81	12.0	3.66	11.2	3.37
		-3.0	-3.7	14.4	4.37	13.6	4.07	12.8	3.78	12.4	3.63	12.0	3.49	11.2	3.22
		0.0	-0.7	14.4	4.06	13.6	3.79	12.8	3.52	12.4	3.39	12.0	3.26	11.2	3.01
		3.0	2.2	14.4	3.81	13.6	3.55	12.8	3.31	12.4	3.18	12.0	3.06	11.2	2.83
		5.0	4.1	14.4	3.66	13.6	3.42	12.8	3.18	12.4	3.06	12.0	2.95	11.2	2.73
		7.0	6.0	14.4	3.52	13.6	3.29	12.8	3.06	12.4	2.95	12.0	2.84	11.2	2.63
		9.0	7.9	14.4	3.39	13.6	3.17	12.8	2.96	12.4	2.85	12.0	2.75	11.2	2.54
		11.0	9.8	14.4	3.27	13.6	3.06	12.8	2.86	12.4	2.75	12.0	2.65	11.2	2.46
13.0	11.8	14.4	3.16	13.6	2.96	12.8	2.76	12.4	2.66	12.0	2.57	11.2	2.38		
15.0	13.7	14.4	3.06	13.6	2.86	12.8	2.67	12.4	2.58	12.0	2.49	11.2	2.31		
70	11.20	-19.8	-20.0	10.8	4.74	10.8	4.84	10.7	4.94	10.7	5.00	10.5	4.87	9.76	4.46
		-18.8	-19.0	11.1	4.80	11.1	4.90	11.1	5.00	10.8	4.89	10.5	4.69	9.76	4.30
		-16.7	-17.0	11.8	4.90	11.7	4.99	11.2	4.73	10.8	4.55	10.5	4.36	9.76	4.00
		-14.7	-15.0	12.4	4.99	11.9	4.77	11.2	4.42	10.8	4.25	10.5	4.08	9.76	3.75
		-12.6	-13.0	12.6	4.81	11.9	4.48	11.2	4.15	10.8	3.99	10.5	3.83	9.76	3.52
		-10.5	-11.0	12.6	4.52	11.9	4.21	11.2	3.91	10.8	3.76	10.5	3.61	9.76	3.33
		-9.5	-10.0	12.6	4.39	11.9	4.09	11.2	3.80	10.8	3.65	10.5	3.51	9.76	3.24
		-8.5	-9.1	12.6	4.28	11.9	3.99	11.2	3.71	10.8	3.57	10.5	3.43	9.76	3.16
		-7.0	-7.6	12.6	4.11	11.9	3.83	11.2	3.56	10.8	3.43	10.5	3.30	9.76	3.04
		-5.0	-5.6	12.6	3.90	11.9	3.64	11.2	3.38	10.8	3.26	10.5	3.14	9.76	2.89
		-3.0	-3.7	12.6	3.72	11.9	3.47	11.2	3.23	10.8	3.11	10.5	3.00	9.76	2.77
		0.0	-0.7	12.6	3.47	11.9	3.24	11.2	3.02	10.8	2.91	10.5	2.80	9.76	2.59
		3.0	2.2	12.6	3.26	11.9	3.05	11.2	2.84	10.8	2.74	10.5	2.64	9.76	2.45
		5.0	4.1	12.6	3.13	11.9	2.93	11.2	2.74	10.8	2.64	10.5	2.55	9.76	2.36
		7.0	6.0	12.6	3.02	11.9	2.83	11.2	2.64	10.8	2.55	10.5	2.46	9.76	2.28
		9.0	7.9	12.6	2.91	11.9	2.73	11.2	2.55	10.8	2.46	10.5	2.38	9.76	2.21
		11.0	9.8	12.6	2.82	11.9	2.64	11.2	2.47	10.8	2.38	10.5	2.30	9.76	2.14
13.0	11.8	12.6	2.72	11.9	2.55	11.2	2.39	10.8	2.31	10.5	2.23	9.76	2.07		
15.0	13.7	12.6	2.64	11.9	2.47	11.2	2.32	10.8	2.24	10.5	2.16	9.76	2.01		
60	9.60	-19.8	-20.0	10.7	5.00	10.2	4.72	9.60	4.37	9.29	4.20	8.98	4.03	8.37	3.71
		-18.8	-19.0	10.8	4.89	10.2	4.54	9.60	4.21	9.29	4.05	8.98	3.89	8.37	3.58
		-16.7	-17.0	10.8	4.54	10.2	4.23	9.60	3.92	9.29	3.77	8.98	3.63	8.37	3.34
		-14.7	-15.0	10.8	4.25	10.2	3.96	9.60	3.67	9.29	3.54	8.98	3.40	8.37	3.13
		-12.6	-13.0	10.8	3.99	10.2	3.72	9.60	3.46	9.29	3.33	8.98	3.20	8.37	2.95
		-10.5	-11.0	10.8	3.76	10.2	3.51	9.60	3.26	9.29	3.14	8.98	3.03	8.37	2.79
		-9.5	-10.0	10.8	3.65	10.2	3.41	9.60	3.18	9.29	3.06	8.98	2.95	8.37	2.72
		-8.5	-9.1	10.8	3.56	10.2	3.33	9.60	3.10	9.29	2.99	8.98	2.88	8.37	2.66
		-7.0	-7.6	10.8	3.42	10.2	3.20	9.60	2.98	9.29	2.88	8.98	2.77	8.37	2.56
		-5.0	-5.6	10.8	3.26	10.2	3.05	9.60	2.84	9.29	2.74	8.98	2.64	8.37	2.45
		-3.0	-3.7	10.8	3.11	10.2	2.91	9.60	2.72	9.29	2.62	8.98	2.53	8.37	2.34
		0.0	-0.7	10.8	2.91	10.2	2.73	9.60	2.55	9.29	2.46	8.98	2.37	8.37	2.20
		3.0	2.2	10.8	2.74	10.2	2.57	9.60	2.40	9.29	2.32	8.98	2.24	8.37	2.08
		5.0	4.1	10.8	2.64	10.2	2.48	9.60	2.32	9.29	2.24	8.98	2.16	8.37	2.01
		7.0	6.0	10.8	2.55	10.2	2.39	9.60	2.24	9.29	2.17	8.98	2.09	8.37	1.95
		9.0	7.9	10.8	2.46	10.2	2.31	9.60	2.17	9.29	2.10	8.98	2.02	8.37	1.88
		11.0	9.8	10.8	2.38	10.2	2.24	9.60	2.10	9.29	2.03	8.98	1.96	8.37	1.83
13.0	11.8	10.8	2.31	10.2	2.17	9.60	2.03	9.29	1.97	8.98	1.90	8.37	1.77		
15.0	13.7	10.8	2.24	10.2	2.10	9.60	1.98	9.29	1.91	8.98	1.85	8.37	1.72		
50	8.00	-19.8	-20.0	9.03	4.06	8.51	3.78	8.00	3.52	7.74	3.39	7.49	3.26	6.97	3.00
		-18.8	-19.0	9.03	3.91	8.51	3.65	8.00	3.39	7.74	3.27	7.49	3.14	6.97	2.90
		-16.7	-17.0	9.03	3.65	8.51	3.41	8.00	3.17	7.74	3.06	7.49	2.94	6.97	2.72
		-14.7	-15.0	9.03	3.42	8.51	3.20	8.00	2.98	7.74	2.87	7.49	2.77	6.97	2.56
		-12.6	-13.0	9.03	3.22	8.51	3.01	8.00	2.81	7.74	2.71	7.49	2.61	6.97	2.42
		-10.5	-11.0	9.03	3.04	8.51	2.85	8.00	2.66	7.74	2.57	7.49	2.48	6.97	2.29
		-9.5	-10.0	9.03	2.96	8.51	2.77	8.00	2.59	7.74	2.50	7.49	2.41	6.97	2.24
		-8.5	-9.1	9.03	2.89	8.51	2.71	8.00	2.53	7.74	2.45	7.49	2.36	6.97	2.19
		-7.0	-7.6	9.03	2.79	8.51	2.61	8.00	2.44	7.74	2.36	7.49	2.28	6.97	2.11
		-5.0	-5.6	9.03	2.66	8.51	2.49	8.00	2.33	7.74	2.25	7.49	2.17	6.97	2.02
		-3.0	-3.7	9.03	2.54	8.51	2.39	8.00	2.24	7.74	2.16	7.49	2.09	6.97	1.94
		0.0	-0.7	9.03	2.39	8.51	2.24	8.00	2.10	7.74	2.03	7.49	1.96	6.97	1.83
		3.0	2.2	9.03	2.25	8.									

3 Capacity tables

3 - 2 Heating capacity tables

3

RXYSQ6PAY1		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
130	23.40	-19.8	-20.0	11.3	2.89	11.3	3.11	11.2	3.34	11.2	3.45	11.2	3.56	11.1	3.79
		-18.8	-19.0	11.6	3.01	11.6	3.23	11.6	3.45	11.5	3.56	11.5	3.67	11.5	3.89
		-16.7	-17.0	12.3	3.23	12.3	3.44	12.2	3.65	12.2	3.75	12.2	3.85	12.1	4.06
		-14.7	-15.0	13.0	3.43	12.9	3.63	12.9	3.82	12.9	3.92	12.8	4.02	12.8	4.22
		-12.6	-13.0	13.6	3.61	13.6	3.80	13.6	3.99	13.5	4.08	13.5	4.17	13.5	4.36
		-10.5	-11.0	14.3	3.78	14.3	3.95	14.2	4.13	14.2	4.22	14.2	4.31	14.1	4.48
		-9.5	-10.0	14.6	3.85	14.6	4.03	14.6	4.20	14.5	4.28	14.5	4.37	14.5	4.54
		-8.5	-9.1	14.9	3.92	14.9	4.09	14.9	4.26	14.8	4.34	14.8	4.43	14.8	4.59
		-7.0	-7.6	15.4	4.02	15.4	4.19	15.4	4.35	15.3	4.43	15.3	4.51	15.3	4.67
		-5.0	-5.6	16.1	4.15	16.1	4.31	16.0	4.46	16.0	4.54	16.0	4.62	15.9	4.77
		-3.0	-3.7	16.7	4.26	16.7	4.41	16.7	4.56	16.6	4.64	16.6	4.71	16.6	4.86
		0.0	-0.7	17.7	4.42	17.7	4.56	17.7	4.70	17.6	4.78	17.6	4.85	17.6	4.99
		3.0	2.2	18.7	4.56	18.7	4.69	18.6	4.83	18.6	4.90	18.6	4.96	18.5	5.10
		5.0	4.1	19.3	4.64	19.3	4.77	19.3	4.90	19.2	4.97	19.2	5.03	19.2	5.16
		7.0	6.0	20.0	4.72	19.9	4.85	19.9	4.97	19.9	5.04	19.9	5.10	19.8	5.22
		9.0	7.9	20.6	4.80	20.6	4.92	20.5	5.04	20.5	5.10	20.5	5.16	20.4	5.26
		11.0	9.8	21.3	4.87	21.2	4.98	21.2	5.10	21.1	5.16	21.1	5.22	21.0	5.07
13.0	11.8	21.9	4.94	21.9	5.05	21.8	5.16	21.8	5.22	21.8	5.28	21.8	4.88		
15.0	13.7	22.6	5.00	22.5	5.11	22.5	5.22	22.4	5.27	22.4	5.33	22.4	4.71		
120	21.60	-19.8	-20.0	11.2	3.19	11.2	3.40	11.2	3.61	11.2	3.71	11.1	3.82	11.1	4.03
		-18.8	-19.0	11.6	3.30	11.5	3.51	11.5	3.71	11.5	3.81	11.5	3.91	11.4	4.11
		-16.7	-17.0	12.2	3.51	12.2	3.70	12.2	3.89	12.2	3.99	12.1	4.08	12.1	4.28
		-14.7	-15.0	12.9	3.70	12.9	3.88	12.8	4.06	12.8	4.15	12.8	4.24	12.8	4.42
		-12.6	-13.0	13.6	3.86	13.5	4.04	13.5	4.21	13.5	4.29	13.5	4.38	13.4	4.55
		-10.5	-11.0	14.3	4.02	14.2	4.18	14.2	4.34	14.2	4.42	14.1	4.51	14.1	4.67
		-9.5	-10.0	14.6	4.09	14.5	4.25	14.5	4.40	14.5	4.48	14.5	4.56	14.4	4.72
		-8.5	-9.1	14.9	4.15	14.8	4.30	14.8	4.46	14.8	4.54	14.8	4.61	14.7	4.77
		-7.0	-7.6	15.4	4.24	15.3	4.39	15.3	4.54	15.3	4.62	15.3	4.69	15.2	4.85
		-5.0	-5.6	16.1	4.36	16.0	4.50	16.0	4.65	16.0	4.72	15.9	4.79	15.9	4.94
		-3.0	-3.7	16.7	4.46	16.6	4.60	16.6	4.74	16.6	4.81	16.6	4.88	16.5	5.02
		0.0	-0.7	17.7	4.61	17.7	4.74	17.6	4.87	17.6	4.94	17.6	5.00	17.5	5.14
		3.0	2.2	18.7	4.74	18.6	4.87	18.6	4.99	18.6	5.05	18.5	5.11	18.5	5.24
		5.0	4.1	19.3	4.82	19.3	4.94	19.2	5.06	19.2	5.12	19.2	5.18	18.8	5.16
		7.0	6.0	19.9	4.89	19.9	5.01	19.9	5.12	19.8	5.18	19.8	5.24	18.8	4.96
		9.0	7.9	20.6	4.96	20.5	5.07	20.5	5.19	20.5	5.24	20.2	5.20	18.8	4.77
		11.0	9.8	21.2	5.03	21.2	5.13	21.1	5.24	20.9	5.22	20.2	5.01	18.8	4.60
13.0	11.8	21.9	5.09	21.8	5.19	21.6	5.23	20.9	5.03	20.2	4.83	18.8	4.43		
15.0	13.7	22.5	5.15	22.5	5.25	21.6	5.05	20.9	4.85	20.2	4.66	18.8	4.29		
110	19.80	-19.8	-20.0	11.2	3.50	11.2	3.69	11.1	3.88	11.1	3.97	11.1	4.07	11.1	4.26
		-18.8	-19.0	11.5	3.60	11.5	3.79	11.5	3.97	11.4	4.06	11.4	4.16	11.4	4.34
		-16.7	-17.0	12.2	3.79	12.2	3.97	12.1	4.14	12.1	4.23	12.1	4.32	12.1	4.49
		-14.7	-15.0	12.9	3.96	12.8	4.13	12.8	4.29	12.8	4.38	12.8	4.46	12.7	4.62
		-12.6	-13.0	13.5	4.12	13.5	4.27	13.5	4.43	13.4	4.51	13.4	4.59	13.4	4.74
		-10.5	-11.0	14.2	4.25	14.2	4.40	14.1	4.55	14.1	4.63	14.1	4.70	14.1	4.85
		-9.5	-10.0	14.5	4.32	14.5	4.47	14.5	4.61	14.4	4.68	14.4	4.76	14.4	4.90
		-8.5	-9.1	14.8	4.37	14.8	4.52	14.8	4.66	14.7	4.73	14.7	4.80	14.7	4.95
		-7.0	-7.6	15.3	4.46	15.3	4.60	15.3	4.74	15.2	4.81	15.2	4.88	15.2	5.02
		-5.0	-5.6	16.0	4.57	16.0	4.70	15.9	4.84	15.9	4.90	15.9	4.97	15.9	5.10
		-3.0	-3.7	16.6	4.67	16.6	4.79	16.6	4.92	16.5	4.98	16.5	5.05	16.5	5.18
		0.0	-0.7	17.6	4.80	17.6	4.92	17.6	5.04	17.5	5.10	17.5	5.16	17.3	5.17
		3.0	2.2	18.6	4.92	18.6	5.04	18.5	5.15	18.5	5.21	18.5	5.26	17.3	4.84
		5.0	4.1	19.2	4.99	19.2	5.10	19.2	5.21	19.1	5.27	18.5	5.06	17.3	4.65
		7.0	6.0	19.9	5.06	19.8	5.17	19.8	5.27	19.2	5.07	18.5	4.87	17.3	4.47
		9.0	7.9	20.5	5.12	20.5	5.23	19.8	5.07	19.2	4.88	18.5	4.68	17.3	4.31
		11.0	9.8	21.1	5.18	21.1	5.27	19.8	4.89	19.2	4.70	18.5	4.52	17.3	4.15
13.0	11.8	21.8	5.24	21.1	5.07	19.8	4.71	19.2	4.53	18.5	4.35	17.3	4.01		
15.0	13.7	22.3	5.26	21.1	4.90	19.8	4.55	19.2	4.38	18.5	4.21	17.3	3.87		
100	18.00	-19.8	-20.0	11.1	3.80	11.1	3.98	11.1	4.15	11.1	4.24	11.0	4.32	11.0	4.50
		-18.8	-19.0	11.5	3.90	11.4	4.07	11.4	4.23	11.4	4.32	11.4	4.40	11.3	4.57
		-16.7	-17.0	12.1	4.07	12.1	4.23	12.1	4.39	12.1	4.47	12.0	4.55	12.0	4.71
		-14.7	-15.0	12.8	4.23	12.8	4.38	12.7	4.53	12.7	4.60	12.7	4.68	12.7	4.83
		-12.6	-13.0	13.5	4.37	13.4	4.51	13.4	4.65	13.4	4.72	13.4	4.79	13.3	4.94
		-10.5	-11.0	14.1	4.49	14.1	4.63	14.1	4.76	14.1	4.83	14.0	4.90	14.0	5.04
		-9.5	-10.0	14.5	4.55	14.4	4.68	14.4	4.82	14.4	4.88	14.4	4.95	14.3	5.08
		-8.5	-9.1	14.8	4.60	14.7	4.73	14.7	4.86	14.7	4.93	14.7	4.99	14.6	5.12
		-7.0	-7.6	15.3	4.68	15.2	4.81	15.2	4.93	15.2	5.00	15.2	5.06	15.1	5.19
		-5.0	-5.6	15.9	4.78	15.9	4.90	15.9	5.02	15.9	5.08	15.8	5.14	15.7	5.20
		-3.0	-3.7	16.6	4.87	16.5	4.99	16.5	5.10	16.5	5.16	16.5	5.22	15.7	4.95
		0.0	-0.7	17.6	5.00	17.5	5.10	17.5	5.21	17.4	5.23	16.8	5.02	15.7	4.61
		3.0	2.2	18.5	5.10	18.5	5.21	18.0	5.09	17.4	4.90	16.8	4.70	15.7	4.32
		5.0	4.1	19.2	5.17	19.1	5.27	18.0	4.89	17.4	4.70	16.8	4.52	15.7	4.15
		7.0	6.0	19.8	5.23	19.2	5.07	18.0	4.70	17.4	4.52	16.8	4.34	15.7	4.00
		9.0	7.9	20.3	5.23	19.2	4.87	18.0	4.53	17.4	4.35	16.8	4.19	15.7	3.86
		11.0	9.8	20.3	5.04	19.2	4.70	18.0	4.36	17.4	4.20	16.8	4.04	15.7	3.72
13.0	11.8	20.3	4.85	19.2	4.53	18.0	4.21	17.4	4.05	16.8	3.90	15.7	3.59		
15.0	13.7	20.3	4.69	19.2	4.37	18.0	4.07	17.4	3.92	16.8	3.77	15.7	3.48		

4TW30532-2

NOTE

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

3 Capacity tables

3 - 2 Heating capacity tables

RXYSQ6PAY1				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 kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90	16.20	-19.8	-20.0	11.1	4.11	11.1	4.26	11.0	4.42	11.0	4.50	11.0	4.58	11.0	4.73
		-18.8	-19.0	11.4	4.19	11.4	4.34	11.4	4.50	11.3	4.57	11.3	4.65	11.3	4.80
		-16.7	-17.0	12.1	4.35	12.1	4.49	12.0	4.64	12.0	4.71	12.0	4.78	12.0	4.92
		-14.7	-15.0	12.7	4.49	12.7	4.63	12.7	4.76	12.7	4.83	12.7	4.90	12.6	5.03
		-12.6	-13.0	13.4	4.62	13.4	4.75	13.4	4.87	13.3	4.94	13.3	5.00	13.3	5.13
		-10.5	-11.0	14.1	4.73	14.1	4.85	14.0	4.98	14.0	5.04	14.0	5.10	14.0	5.22
		-9.5	-10.0	14.4	4.79	14.4	4.90	14.4	5.02	14.3	5.08	14.3	5.14	14.1	5.16
		-8.5	-9.1	14.7	4.83	14.7	4.95	14.7	5.06	14.6	5.12	14.6	5.18	14.1	5.03
		-7.0	-7.6	15.2	4.90	15.2	5.02	15.2	5.13	15.1	5.19	15.1	5.24	14.1	4.82
		-5.0	-5.6	15.9	4.99	15.9	5.10	15.8	5.21	15.7	5.19	15.2	4.99	14.1	4.58
		-3.0	-3.7	16.5	5.07	16.5	5.18	16.2	5.15	15.7	4.95	15.2	4.75	14.1	4.37
		0.0	-0.7	17.5	5.19	17.2	5.17	16.2	4.79	15.7	4.61	15.2	4.43	14.1	4.07
		3.0	2.2	18.3	5.19	17.2	4.84	16.2	4.49	15.7	4.32	15.2	4.15	14.1	3.83
		5.0	4.1	18.3	4.98	17.2	4.64	16.2	4.31	15.7	4.15	15.2	3.99	14.1	3.68
		7.0	6.0	18.3	4.79	17.2	4.47	16.2	4.15	15.7	4.00	15.2	3.84	14.1	3.55
		9.0	7.9	18.3	4.61	17.2	4.30	16.2	4.00	15.7	3.85	15.2	3.71	14.1	3.42
		11.0	9.8	18.3	4.44	17.2	4.15	16.2	3.86	15.7	3.72	15.2	3.58	14.1	3.31
13.0	11.8	18.3	4.28	17.2	4.00	16.2	3.73	15.7	3.59	15.2	3.46	14.1	3.20		
15.0	13.7	18.3	4.14	17.2	3.87	16.2	3.61	15.7	3.48	15.2	3.35	14.1	3.10		
80	14.40	-19.8	-20.0	11.0	4.41	11.0	4.55	11.0	4.69	11.0	4.76	10.9	4.83	10.9	4.97
		-18.8	-19.0	11.4	4.49	11.3	4.62	11.3	4.76	11.3	4.83	11.3	4.89	11.3	5.03
		-16.7	-17.0	12.0	4.63	12.0	4.76	12.0	4.88	12.0	4.95	11.9	5.01	11.9	5.14
		-14.7	-15.0	12.7	4.75	12.7	4.87	12.6	5.00	12.6	5.06	12.6	5.12	12.6	5.21
		-12.6	-13.0	13.4	4.87	13.3	4.98	13.3	5.10	13.3	5.15	13.3	5.21	12.6	4.89
		-10.5	-11.0	14.0	4.97	14.0	5.08	14.0	5.19	13.9	5.23	13.5	5.02	12.6	4.60
		-9.5	-10.0	14.4	5.02	14.3	5.12	14.3	5.23	13.9	5.08	13.5	4.87	12.6	4.48
		-8.5	-9.1	14.7	5.06	14.6	5.16	14.4	5.15	13.9	4.95	13.5	4.75	12.6	4.37
		-7.0	-7.6	15.2	5.12	15.1	5.22	14.4	4.94	13.9	4.75	13.5	4.56	12.6	4.19
		-5.0	-5.6	15.8	5.20	15.3	5.05	14.4	4.69	13.9	4.51	13.5	4.33	12.6	3.99
		-3.0	-3.7	16.3	5.17	15.3	4.81	14.4	4.47	13.9	4.30	13.5	4.13	12.6	3.81
		0.0	-0.7	16.3	4.81	15.3	4.48	14.4	4.17	13.9	4.01	13.5	3.86	12.6	3.56
		3.0	2.2	16.3	4.51	15.3	4.21	14.4	3.91	13.9	3.77	13.5	3.63	12.6	3.35
		5.0	4.1	16.3	4.33	15.3	4.04	14.4	3.76	13.9	3.63	13.5	3.49	12.6	3.23
		7.0	6.0	16.3	4.17	15.3	3.89	14.4	3.63	13.9	3.50	13.5	3.37	12.6	3.11
		9.0	7.9	16.3	4.02	15.3	3.75	14.4	3.50	13.9	3.37	13.5	3.25	12.6	3.01
		11.0	9.8	16.3	3.88	15.3	3.63	14.4	3.38	13.9	3.26	13.5	3.14	12.6	2.91
13.0	11.8	16.3	3.74	15.3	3.50	14.4	3.27	13.9	3.15	13.5	3.04	12.6	2.81		
15.0	13.7	16.3	3.62	15.3	3.39	14.4	3.16	13.9	3.05	13.5	2.94	12.6	2.73		
70	12.60	-19.8	-20.0	11.0	4.72	10.9	4.84	10.9	4.96	10.9	5.02	10.9	5.08	10.9	5.20
		-18.8	-19.0	11.3	4.78	11.3	4.90	11.3	5.02	11.2	5.08	11.2	5.14	11.0	5.09
		-16.7	-17.0	12.0	4.91	11.9	5.02	11.9	5.13	11.9	5.19	11.8	5.17	11.0	4.74
		-14.7	-15.0	12.6	5.02	12.6	5.12	12.6	5.23	12.2	5.03	11.8	4.83	11.0	4.44
		-12.6	-13.0	13.3	5.12	13.3	5.22	12.6	4.91	12.2	4.72	11.8	4.54	11.0	4.17
		-10.5	-11.0	14.0	5.21	13.4	4.99	12.6	4.63	12.2	4.45	11.8	4.28	11.0	3.94
		-9.5	-10.0	14.2	5.20	13.4	4.84	12.6	4.50	12.2	4.33	11.8	4.16	11.0	3.83
		-8.5	-9.1	14.2	5.07	13.4	4.72	12.6	4.39	12.2	4.22	11.8	4.06	11.0	3.74
		-7.0	-7.6	14.2	4.86	13.4	4.54	12.6	4.21	12.2	4.06	11.8	3.90	11.0	3.60
		-5.0	-5.6	14.2	4.62	13.4	4.31	12.6	4.01	12.2	3.86	11.8	3.71	11.0	3.43
		-3.0	-3.7	14.2	4.40	13.4	4.11	12.6	3.83	12.2	3.69	11.8	3.55	11.0	3.28
		0.0	-0.7	14.2	4.11	13.4	3.84	12.6	3.58	12.2	3.45	11.8	3.32	11.0	3.07
		3.0	2.2	14.2	3.86	13.4	3.61	12.6	3.37	12.2	3.25	11.8	3.13	11.0	2.90
		5.0	4.1	14.2	3.71	13.4	3.47	12.6	3.24	12.2	3.13	11.8	3.01	11.0	2.79
		7.0	6.0	14.2	3.58	13.4	3.35	12.6	3.13	12.2	3.02	11.8	2.91	11.0	2.70
		9.0	7.9	14.2	3.45	13.4	3.23	12.6	3.02	12.2	2.92	11.8	2.81	11.0	2.61
		11.0	9.8	14.2	3.33	13.4	3.13	12.6	2.92	12.2	2.82	11.8	2.72	11.0	2.53
13.0	11.8	14.2	3.22	13.4	3.02	12.6	2.83	12.2	2.73	11.8	2.64	11.0	2.45		
15.0	13.7	14.2	3.12	13.4	2.93	12.6	2.74	12.2	2.65	11.8	2.56	11.0	2.38		
60	10.80	-19.8	-20.0	10.9	5.02	10.9	5.13	10.8	5.18	10.5	4.97	10.1	4.78	9.41	4.39
		-18.8	-19.0	11.2	5.08	11.2	5.18	10.8	4.99	10.5	4.79	10.1	4.60	9.41	4.23
		-16.7	-17.0	11.9	5.19	11.5	5.01	10.8	4.65	10.5	4.47	10.1	4.29	9.41	3.95
		-14.7	-15.0	12.2	5.03	11.5	4.68	10.8	4.35	10.5	4.19	10.1	4.03	9.41	3.71
		-12.6	-13.0	12.2	4.72	11.5	4.40	10.8	4.09	10.5	3.94	10.1	3.79	9.41	3.50
		-10.5	-11.0	12.2	4.45	11.5	4.15	10.8	3.86	10.5	3.72	10.1	3.58	9.41	3.31
		-9.5	-10.0	12.2	4.32	11.5	4.04	10.8	3.76	10.5	3.62	10.1	3.49	9.41	3.22
		-8.5	-9.1	12.2	4.22	11.5	3.94	10.8	3.67	10.5	3.54	10.1	3.41	9.41	3.15
		-7.0	-7.6	12.2	4.05	11.5	3.79	10.8	3.53	10.5	3.40	10.1	3.28	9.41	3.03
		-5.0	-5.6	12.2	3.86	11.5	3.61	10.8	3.36	10.5	3.24	10.1	3.13	9.41	2.89
		-3.0	-3.7	12.2	3.68	11.5	3.45	10.8	3.22	10.5	3.11	10.1	2.99	9.41	2.77
		0.0	-0.7	12.2	3.45	11.5	3.23	10.8	3.02	10.5	2.91	10.1	2.81	9.41	2.61
		3.0	2.2	12.2	3.24	11.5	3.04	10.8	2.85	10.5	2.75	10.1	2.65	9.41	2.46
		5.0	4.1	12.2	3.13	11.5	2.93	10.8	2.75	10.5	2.65	10.1	2.56	9.41	2.38
		7.0	6.0	12.2	3.02	11.5	2.83	10.8	2.65	10.5	2.56	10.1	2.48	9.41	2.30
		9.0	7.9	12.2	2.91	11.5	2.74	10.8	2.57	10.5	2.48	10.1	2.40	9.41	2.23
		11.0	9.8	12.2	2.82	11.5	2.65	10.8	2.49	10.5	2.40	10.1	2.32	9.41	2.16
13.0	11.8	12.2	2.73	11.5	2.57	10.8	2.41	10.5	2.33	10.1	2.25	9.41	2.10		
15.0	13.7	12.2	2.65	11.5	2.49	10.8	2.34	10.5	2.26	10.1	2.19	9.41	2.04		
50	9.00	-19.8	-20.0	10.2	4.81	9.58	4.48	9.00	4.16	8.71	4.01	8.42	3.86	7.84	3.56
		-18.8	-19.0	10.2	4.63	9.58	4.32	9.00	4.02	8.71	3.87	8.42	3.72	7.84	3.44
		-16.7	-17.0	10.2	4.32	9.58	4.03	9.00	3.76	8.71	3.62	8.42	3.48	7.84	3.22
		-14.7	-15.0	10.2	4.05	9.58	3.78	9.00	3.53	8.71	3.40	8.42	3.28	7.84	3.03
		-12.6	-13.0	10.2	3.81	9.58	3.57	9.00	3.33	8.71	3.21	8.42	3.09	7.84	2.86
		-10.5	-11.0	10.2	3.60	9.58	3.37	9.00	3.15	8.71	3.04	8.42	2.93	7.84	2.72
		-9.5	-10.0	10.2	3.51	9.58	3.29	9.00	3.07	8.71	2.96	8.42	2.86	7.84	2.65
		-8.5	-9.1	10.2	3.43	9.58	3.21	9.00	3.00	8.71	2.90	8.42	2.79	7.84	2.59
		-7.0	-7.6	10.2	3.30	9.58	3.09	9.00	2.89	8.71	2.79	8.42	2.69	7.84	2.50
		-5.0	-5.6	10.2	3.14	9.58	2.95	9.00	2.76	8.71	2.67	8.42	2.57	7.84	2.39
		-3.0	-3.7	10.2	3.01	9.58	2.83	9.00	2.65	8.71	2.56	8.42	2.47	7.84	2.30
		0.0	-0.7	10.2	2.82	9.58	2.65	9.00	2.49	8.71	2.41	8.42			

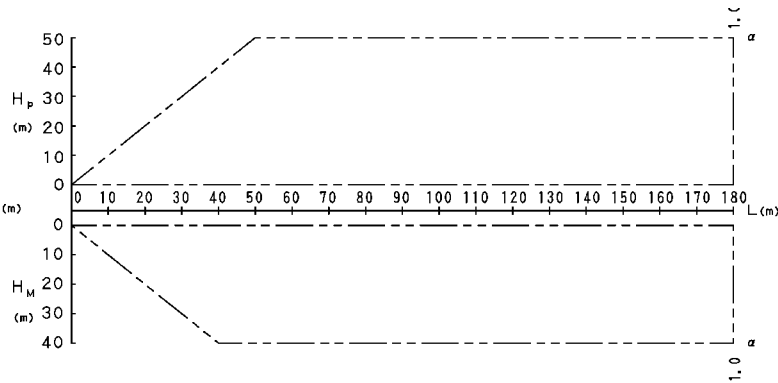
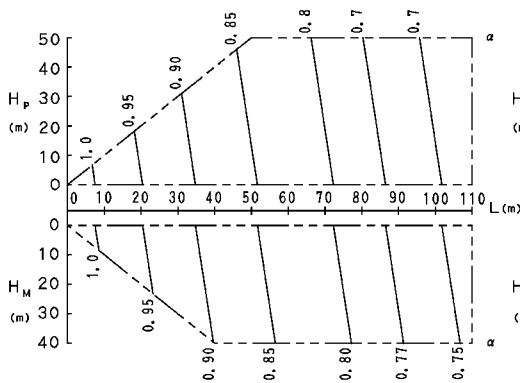
3 Capacity tables

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

3D045710D

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 >

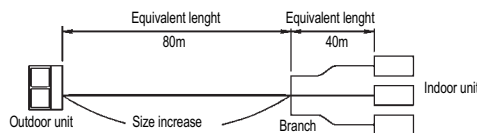
- When overall equivalent pipe length is 90 or more, the diameter of the main gas pipes (Outdoor unit-branch sections) must be increased.
 [Diameter of above case]

Model	gas	liquid
RXYMQ4,5MV4A	RXYMQ4,5PV4A, VE	
RXYSQ4,5M7V3B	RXM4,5PVE	
RXYMQ4,5MVL	RXYSQ4,5P7V3B	Not increased
RXYSQ4,5P7Y1B	RXYSQ4,5PA7V1B	
	RXYSQ4,5PA7Y1B	

- 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: RXYMQ4, 5MV4A
 RXYSQ4, 5MV7V3B
 RXYMQ4,5MVL
 RXYMQ4,5PV4A, VE
 RXYMQ4P,5PVE
 RXYSQ4, 5P7V3B
 RXYSQ4,5P7Y1B
 RXYSQ4,5PA7V1B
 RXYSQ4,5PA7Y1B>



In the above case
 Overall equivalent length = 80m x 0.5 + 40m = 80m
 The correction factor in capacity when Hp=0m is thus approximately 0.78.

EXPLANATION OF SYMBOLS

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

[Diameter of pipes]

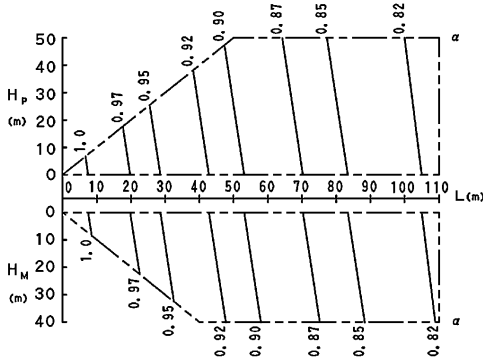
Model	gas	liquid
RXYMQ4,5MV4A		
RXYSQ4,5M7V3B		
RXYMQ4,5MVL		
RXYMQ4,5PV4A, VE		
RXM4,5PVE	ø 15.9	ø 9.5
RXYSQ4,5P7V3B		
RXYSQ4,5P7Y1B		
RXYSQ4,5PA7V1B		
RXYSQ4,5PA7Y1B		

3 Capacity tables

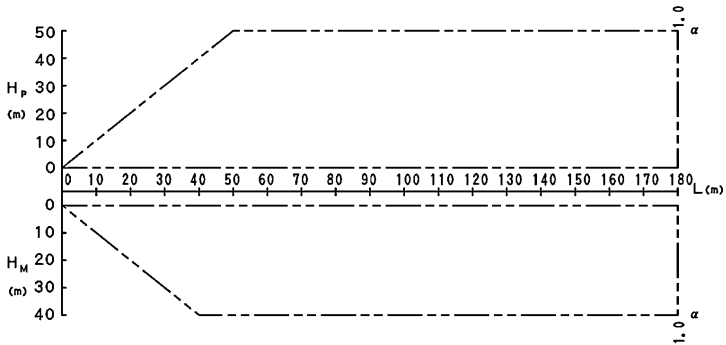
3 - 3 Capacity correction factor

RXYSQ6PAV1/PAY1

• Rate of change in cooling capacity



• Rate of change in heating capacity



• Rate of change in heating capacity

3D045961D

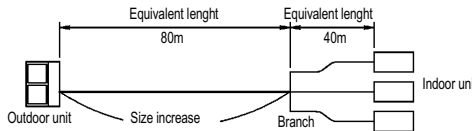
NOTES

- 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 × 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 × capacity rate of change for each piping length
 < As for RXYMQ6MV4A * RXYSQ6MV7V3B * RXYMQ6MVLTL * 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	RXYSQ6PV4A, VE	ø 22.2	Not Increased
RXYSQ6M7V3B	RXYSQ6PVE		
RXYSQ6MVLTL	RXYSQ6P7V3B		
RXYSQ6P7Y1B	RXYSQ6PA7V1B		
	RXYSQ6PA7Y1B		

- 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) × 0.5 + (Equivalent length after branching)
 Example: RXYSQ6MV4A

- RXYSQ6MV7V3B
- RXYSQ6MVLTL
- RXYSQ6PV4A, VE
- RXYSQ6PVE
- RXYSQ6P7V3B
- RXYSQ6P7Y1B
- RXYSQ6PA7V1B
- RXYSQ6PA7Y1B>



In the above case
Overall equivalent length = 80m × 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

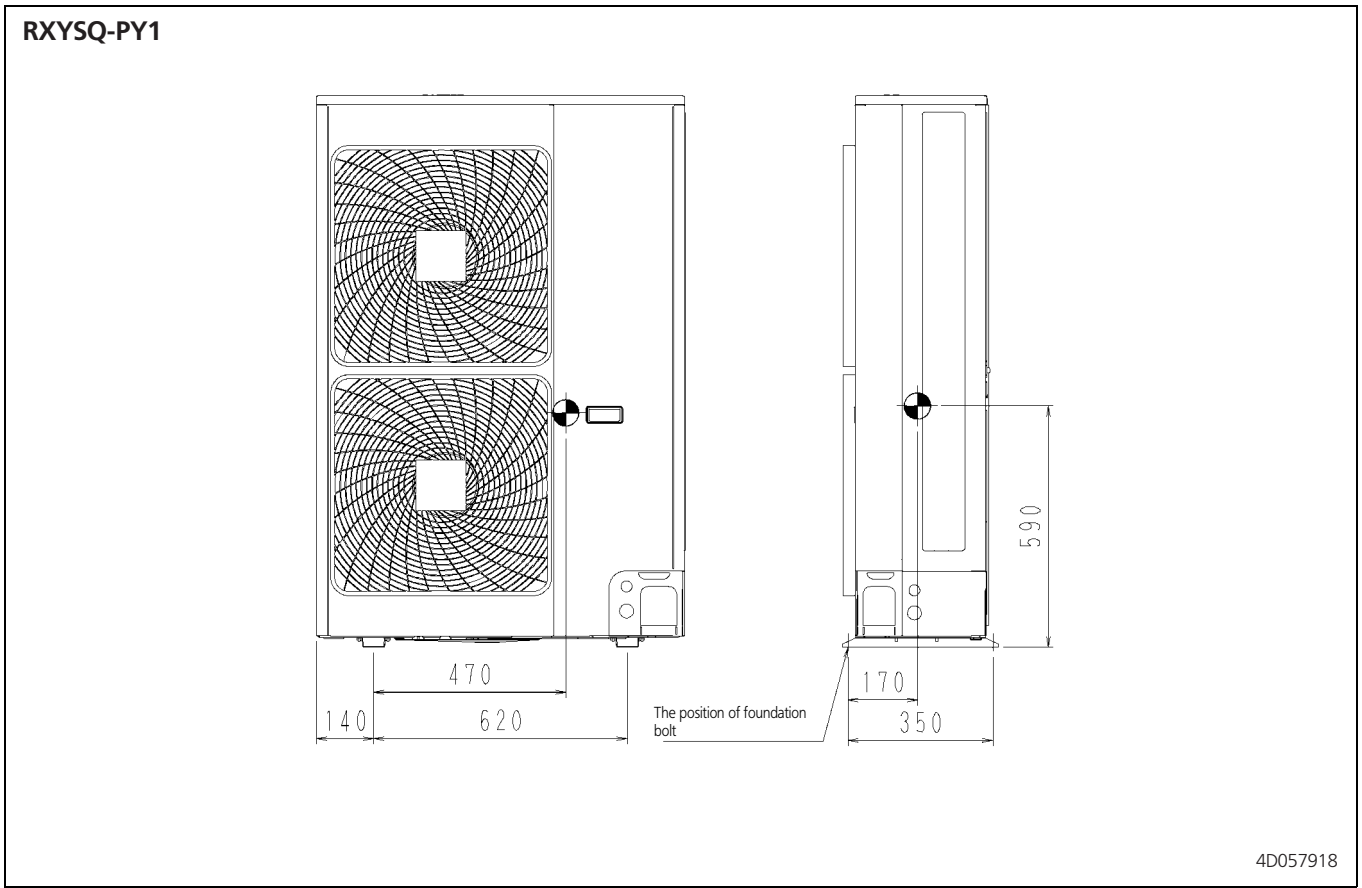
[Diameter of pipes]

Model	gas	liquid
RXYSQ6MV4A	ø 19.1	ø 9.5
RXYSQ6M7V3B		
RXYSQ6MVLTL		
RXYSQ6PV4A, VE		
RXYSQ6PVE		
RXYSQ6P7V3B		
RXYSQ6P7Y1B		
RXYSQ6PA7V1B		
RXYSQ6PA7Y1B		

4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity

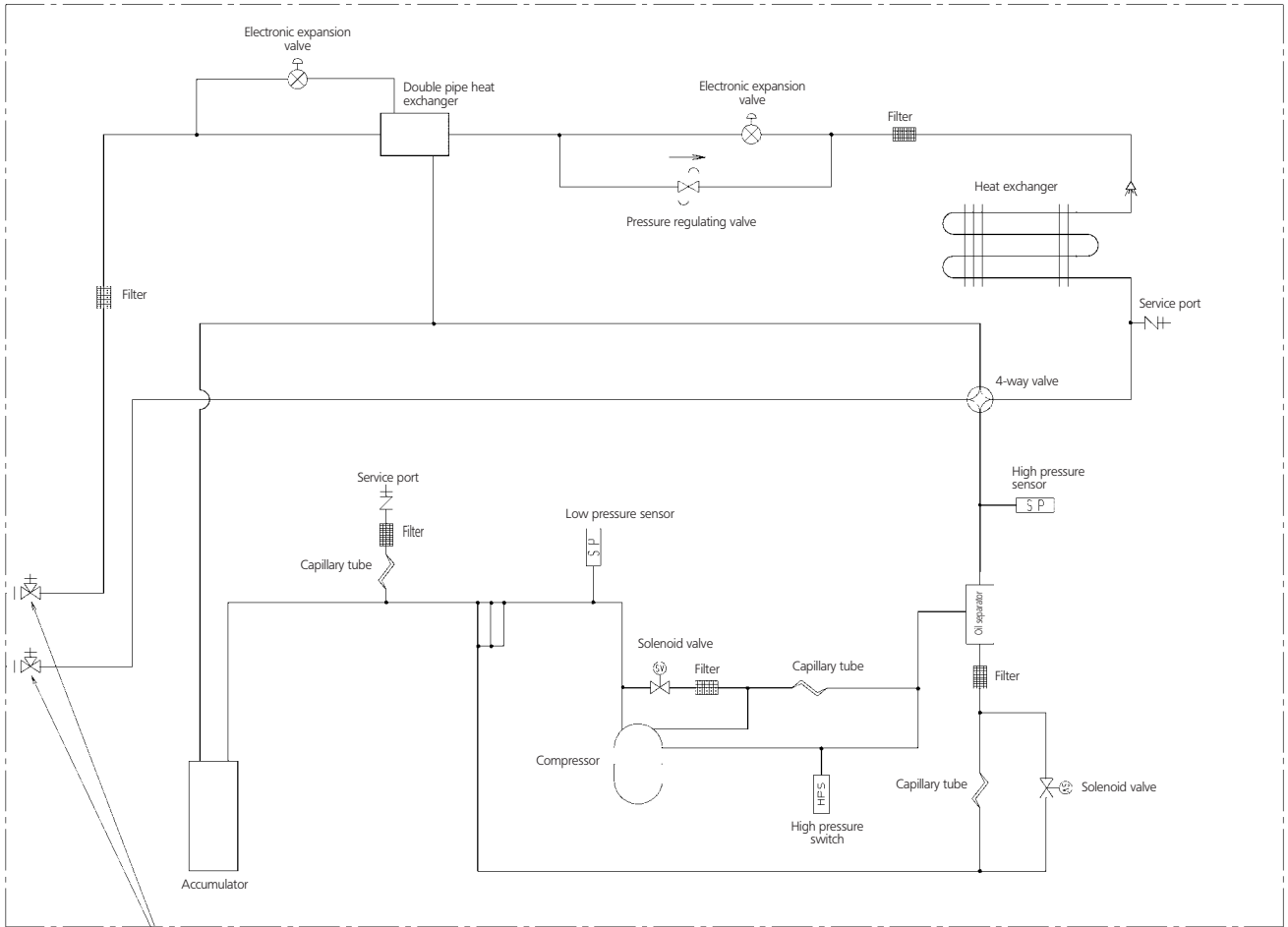
4



5 Piping diagram

5

RXYSQ-PY1



Stop valve (with service port on field piping side ϕ 7.9mm flare connection)

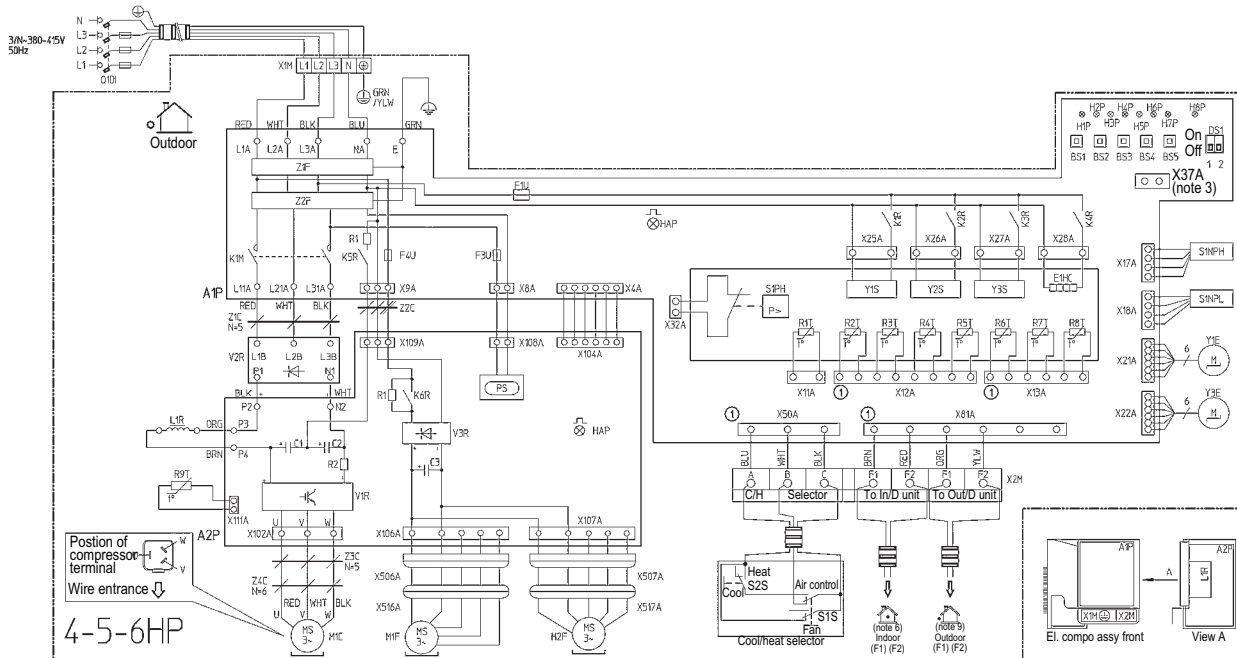
3D057917

6 Wiring diagram

6 - 1 Wiring diagram

6

RXYSQ4,5,6PY1



S1S	Selector switch (fan / cool - heat)	HAP (A2P)	Light emitting diode (service monitor green)	R6T	Thermistor (heat exchanger)
S2S	Selector switch (cool - heat)	K1M (A1P)	Magnetic contactor	R7T	Thermistor (liquid 1)
X37A (note 3)	Connector (option adapter power supply)	K1R	Magnetic relay (Y1S)	R8T	Thermistor (liquid 2)
L1 - RED	L2 - WHT	L3 - BLK	N - BLU	R9T	Thermistor (power module)
A1P	Printed circuit board (main)	K2R	Magnetic relay (Y2S)	S1NPH	Pressure sensor (high)
A2P	Printed circuit board (INV)	K3R	Magnetic relay (E1HC)	S1NPL	Pressure sensor (low)
BS1~BS5	Push button switch (mode, set, return, test, reset)	K4R	Magnetic relay (E1HC)	S1PH	Pressure switch (high)
C1~C3	Capacitor	K5R, K6R	Magnetic relay	V1R	Power module
DS1-1	DIP switch	L1R	Reactor	V2R, V3R	Diode module
DS1-2	DIP switch	M1C	Motor (compressor)	X1M	Terminal strip (power supply)
E1HC	Crankcase heater	M1F	Motor (fan) (lower)	X2M	Terminal strip (control) (c/H selector)
F1,3,4U (A1P)	Fuse (T 6.3A / 250V)	M2F	Motor (fan) (lower)	Y1E	Electronic expansion valve (main)
H1P~H8P	Light emit, diode (serv. monitor-orange) Prepare, test - - - flickering Malfunction detection - - light up	PS	Switching power supply	Y3E	Electronic expansion valve (subcool)
HAP (A1P)	Light emitting diode (service monitor green)	Q1DI	Field earth leadage breaker (300mA)	Y1S	Solenoid valve (4 way valve)
		R1(A1P)	Resistor	Y2S	Solenoid valve (hot gas)
		R1(A2P)	Resistor	Y3S	Solenoid valve (U/L circuit)
		R2(A2P)	Resistor	Z1C~Z4C	Noise filter (ferrite core)
		R1T	Thermistor (air)	Z1F	Noise filter (with surge absorber)
		R2T	Thermistor (M1C discharge)	Z2F	Noise filter
		R3T	Thermistor (suction 1)		
		R4T	Thermistor (subcool)		
		R5T	Thermistor (suction 2)		

- : Field wiring
 - : Terminal strip
 - : Connector
 - : Movable connector
 - : Fixed connector
 - : Protective earth (screw)
 - : Functional earthing
 - : Terminal
- Colors: BLK: Black, BLU: Blue, BRN: Brown, ORG: Orange, PNK: Pink, RED: Red, WHT: White, YLW: Yellow

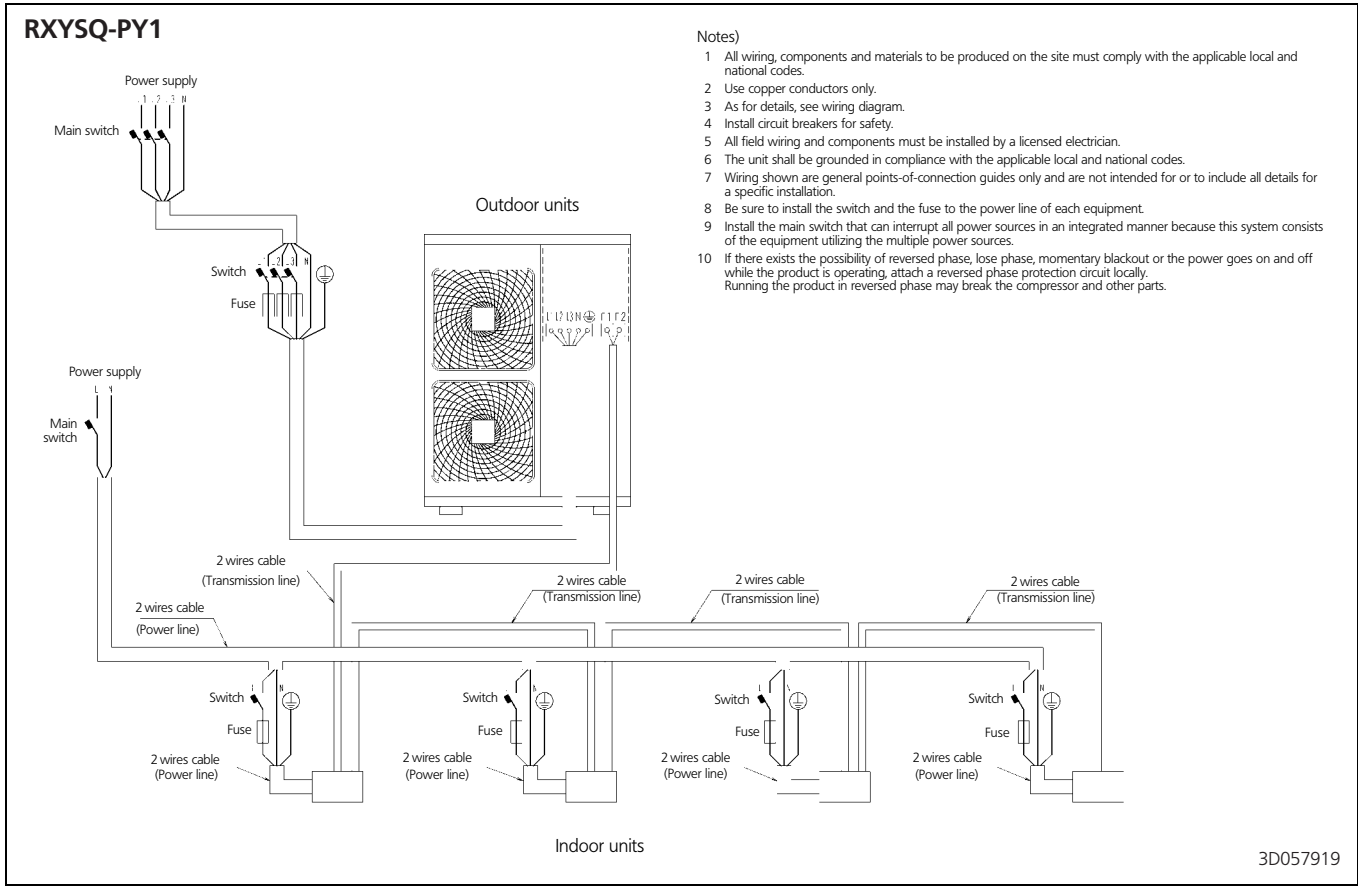
2TW29226-1A

NOTES

- This wiring diagram only applies to the outdoor unit.
- L: live, N: neutral
- When using the option adapter, refer to the installation manual.
- Refer to the "installation or service manual" on how to use BS1 ~ BS5 push button switch and DS1-1, DS1-2 DIP switch.
- Do not operate the unit by short-circuiting protection device S1PH.
- Refer to the installation manual for connection wiring to indoor - outdoor transmission F1-F2.
- When using the central control system, connect outdoor-outdoor transmission F1-F2.

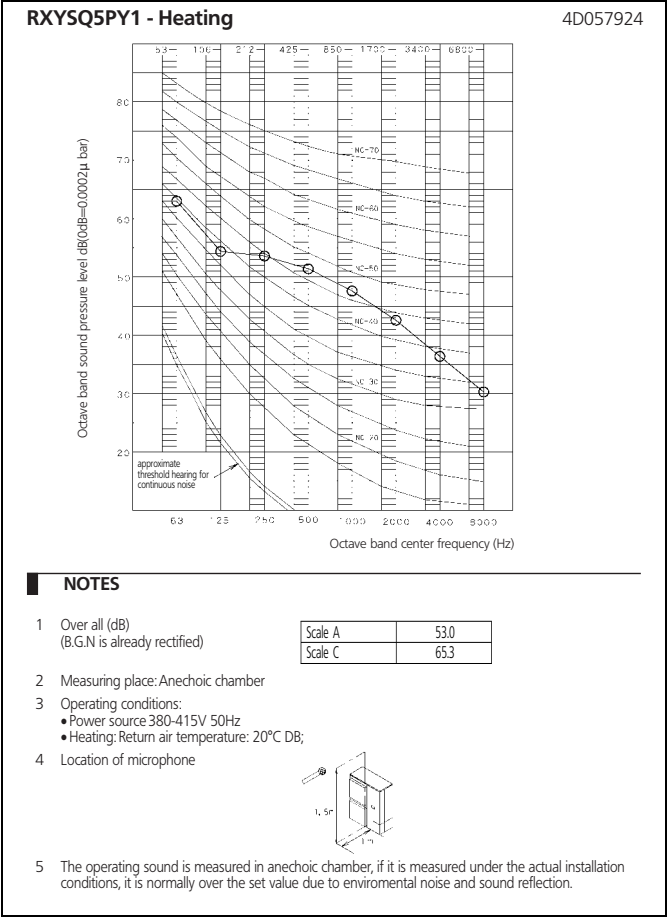
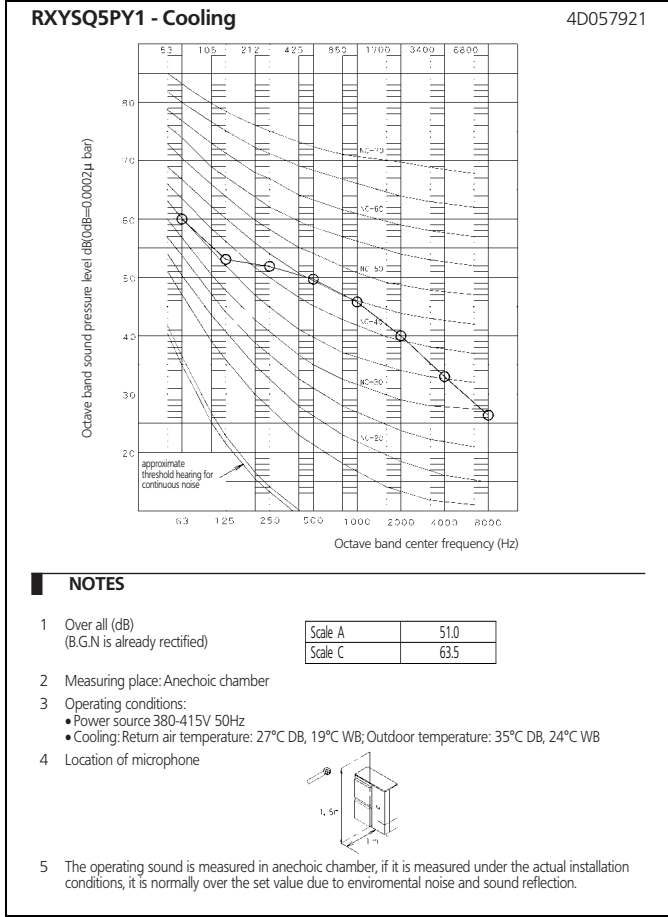
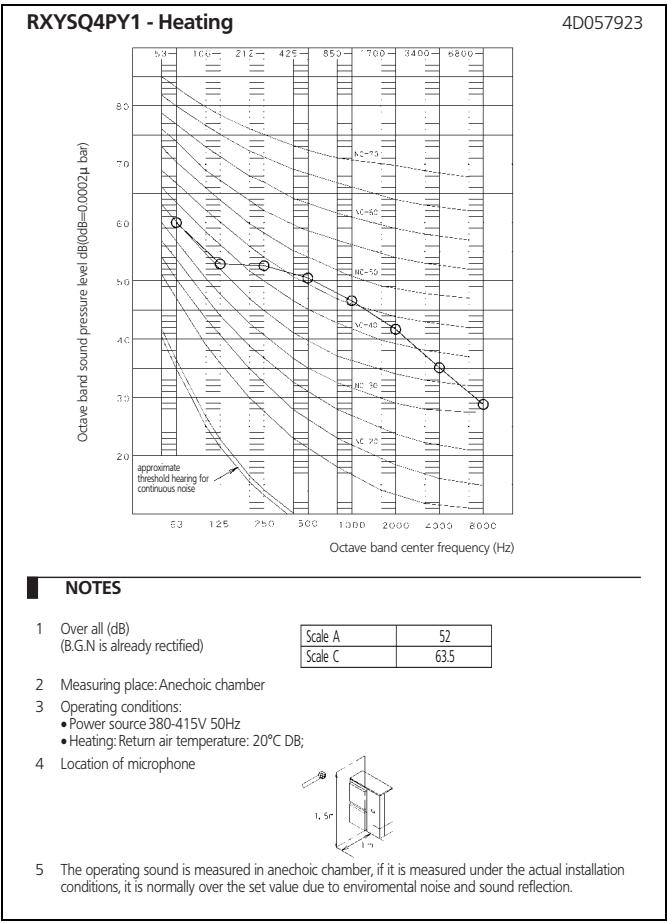
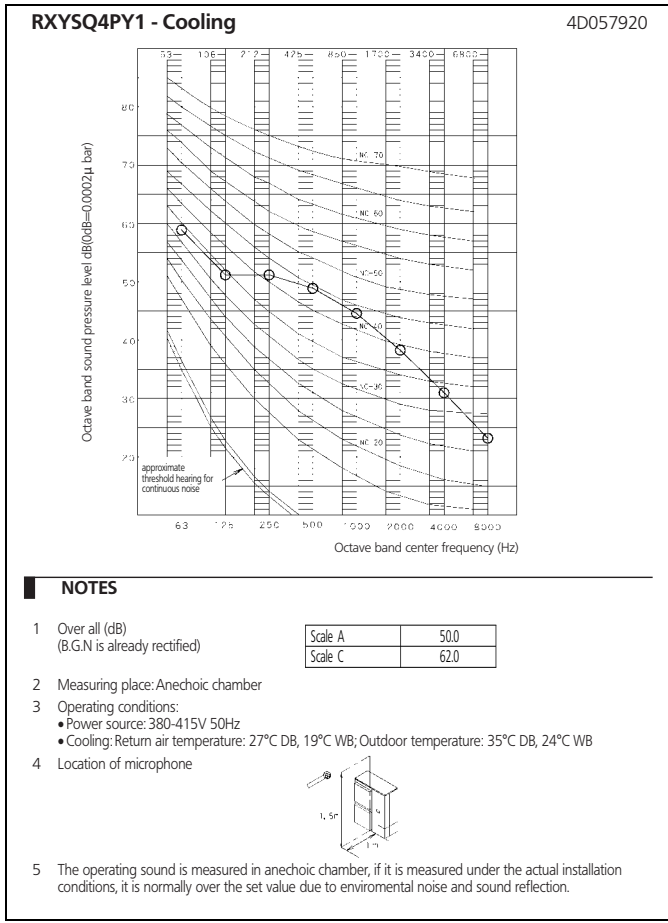
6 Wiring diagram

6 - 2 External connection diagram



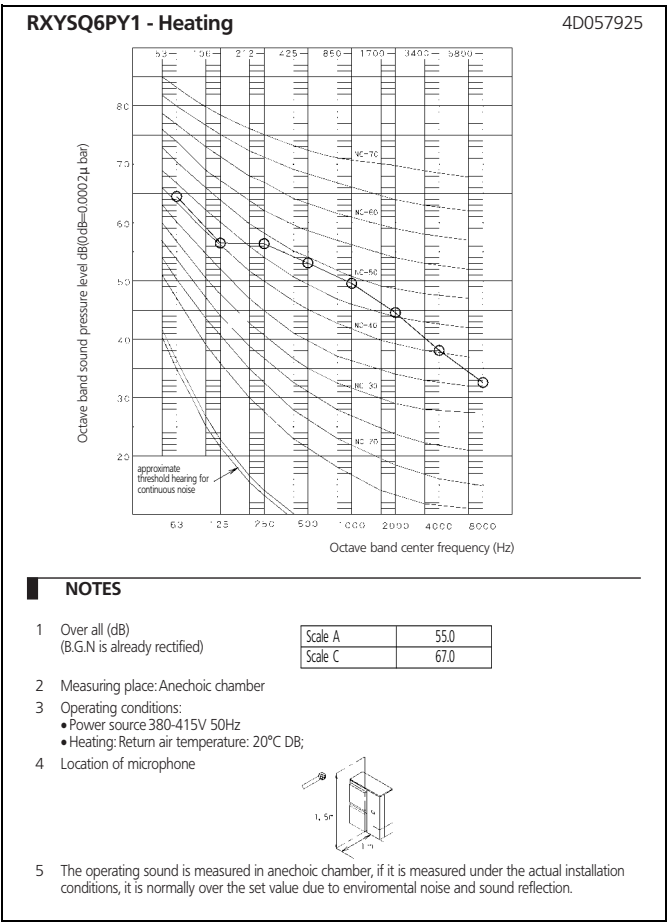
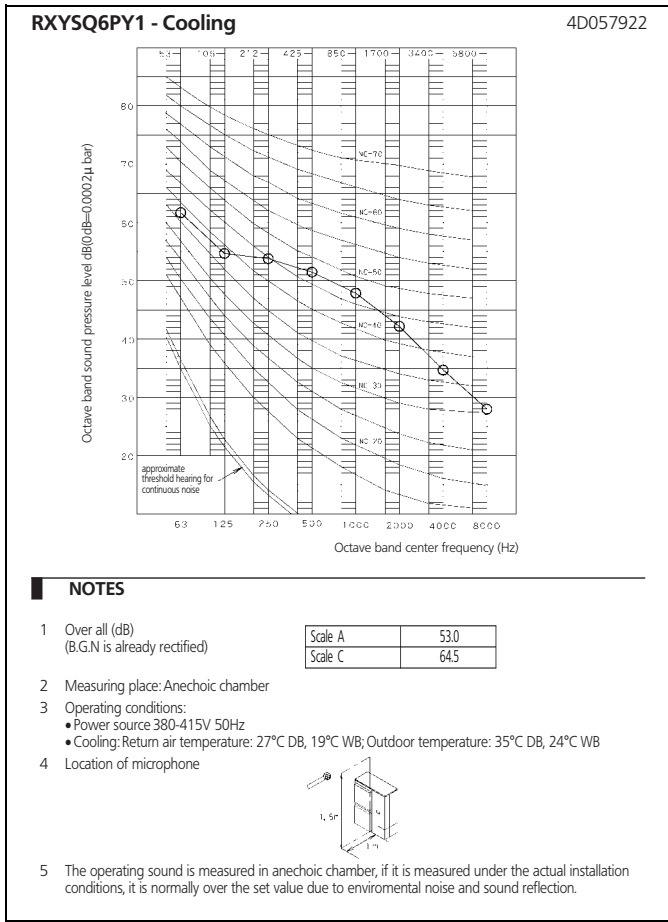
7 Sound data

7 - 1 Sound pressure spectrum



7 Sound data

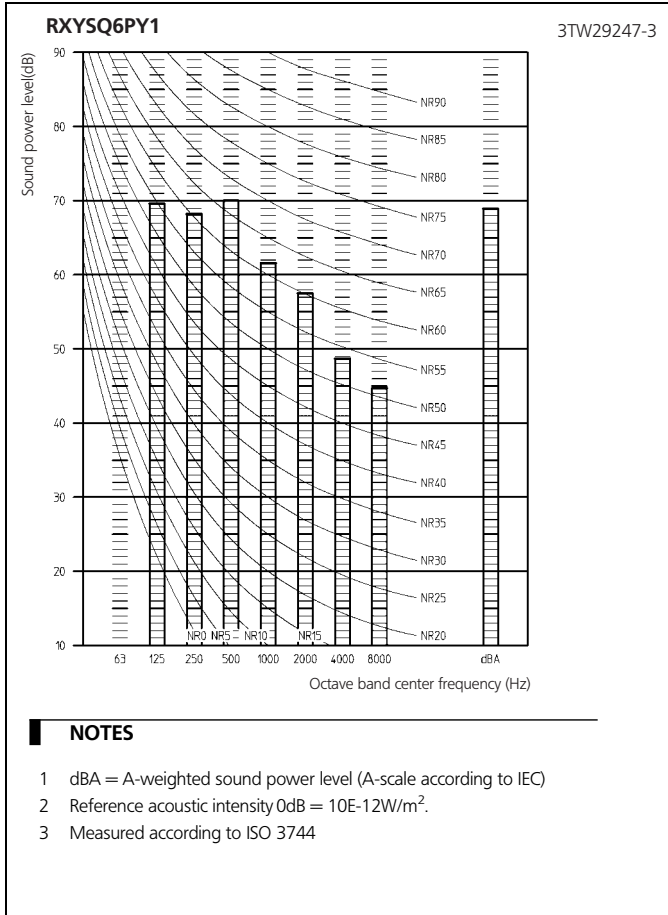
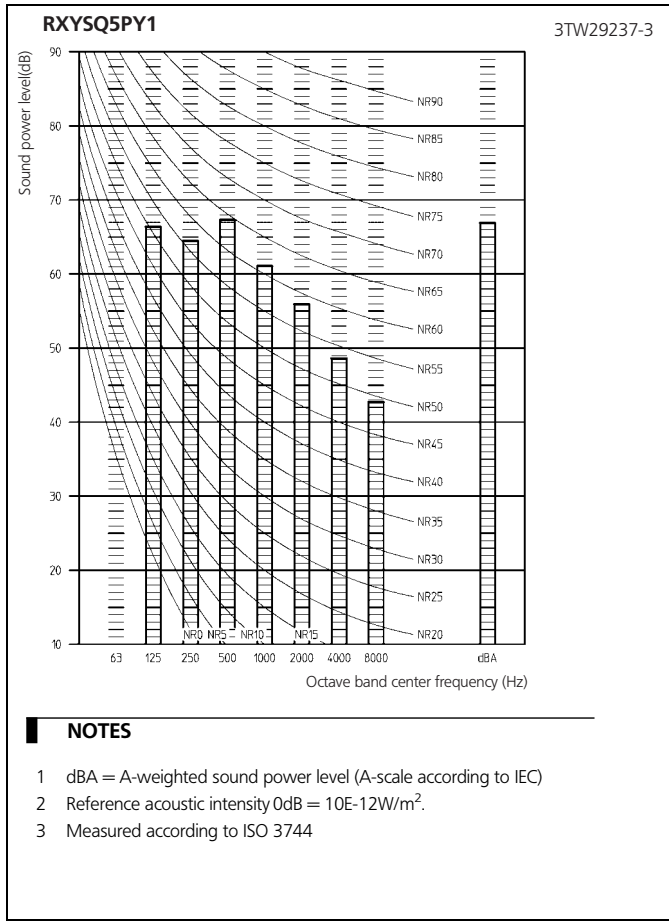
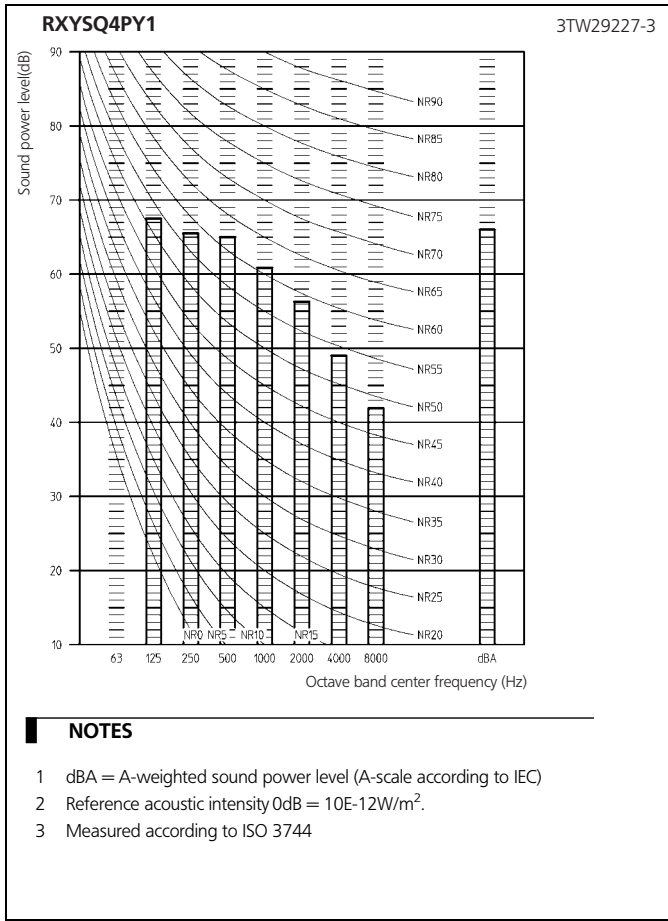
7 - 1 Sound pressure spectrum



7

7 Sound data

7 - 2 Sound power spectrum



8 Installation

8 - 1 Service space

8

RXYSQ-PY1

Required installation space

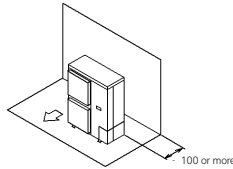
The unit of the values is mm.

1. Where there is an obstacle on the suction side

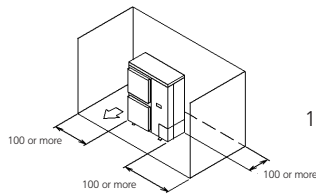
(a) No obstacle above

1 Stand-alone installation

- Obstacle on the suction side only.

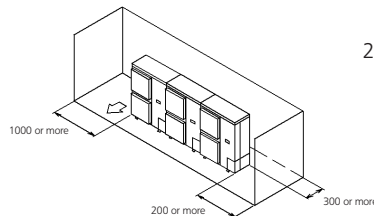


- Obstacle on both sides.



2 Series installation (2 or more).

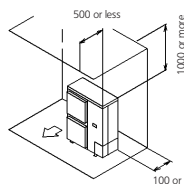
- Obstacle on both sides



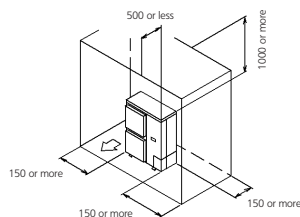
(b) Obstacle above, too.

1 Stand-alone installation

- Obstacle on the suction side.

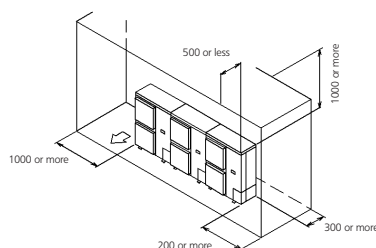


- Obstacle on the suction side and both sides.



2 Series installation (2 or more).

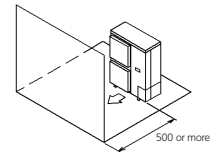
- Obstacle on the suction side and both sides.



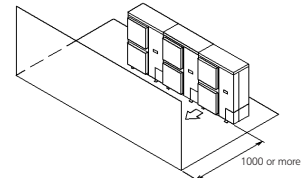
(2) Where there is an obstacle on the discharge side

(a) No obstacle above

(1) Stand-alone installation

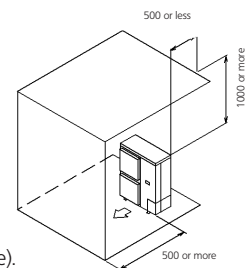


(2) Series installation (2 or more)

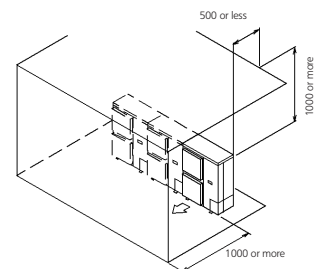


(b) Obstacle above, too.

1 Stand-alone installation



2 Series installation (2 or more).



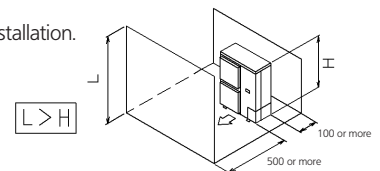
3. Where there are obstacles on both suction and discharge sides:

Pattern 1

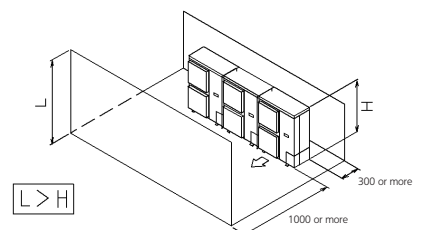
Where the obstacles on the discharge side is higher than the unit.
(There is no height limit for obstructions on the intake side.)

(a) No obstacle above.

1 Stand-alone installation.



2 Series installation (2 or more).



3D045696C

8 Installation

8 - 1 Service space

8

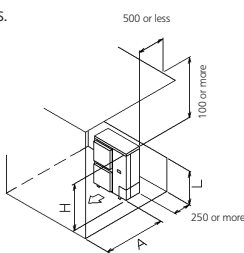
RXYSQ-PY1

(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.

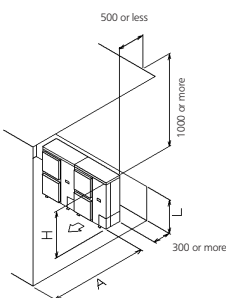


2 Series installation (2 or more).

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.



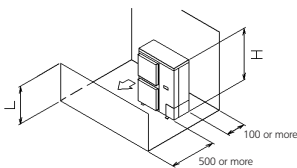
Pattern 2

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.

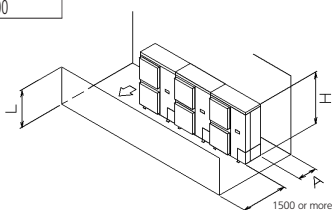
$$L \leq H$$



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

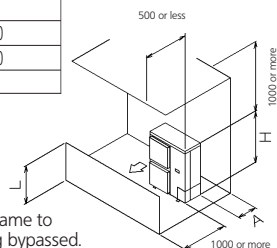


(b) Obstacle above, too.

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.

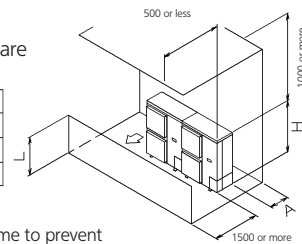
1 Series installation.

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.

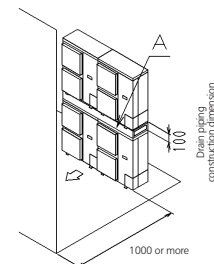


4. Double-decker installation

(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.

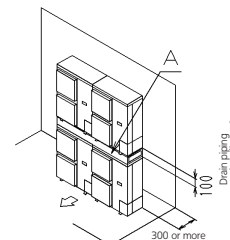
Do not stack more than two unit.



(b) Obstacle on the suction side only.

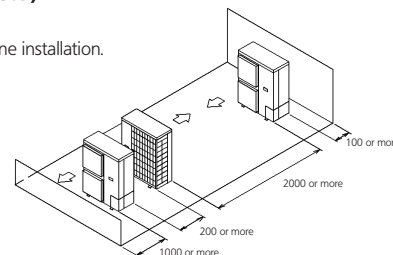
Close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than one unit.

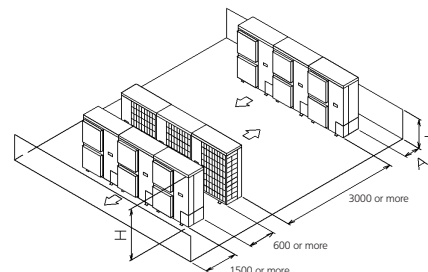


5. Multiple rows of series installation (on the rooftop, etc.).

(a) One row of stand-alone installation.



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



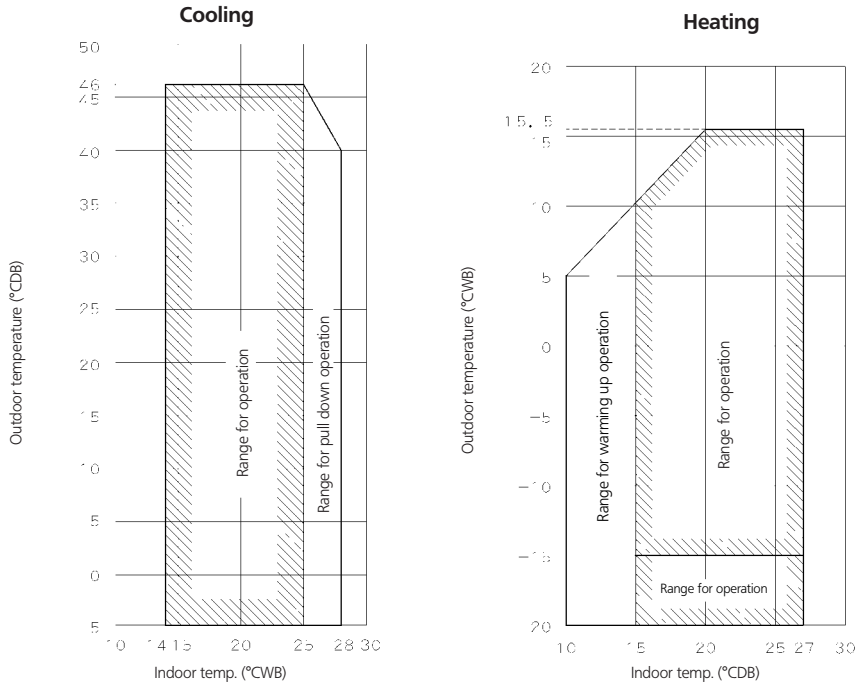
The relations between H, A and L are as follows.

	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

9 Operation range

RXYSQ-PY1



Notes:

These figures assume the following operating conditions.

Indoor and outdoor units:

- Equivalent piping length 7.5m
- Level difference 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 intension 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.



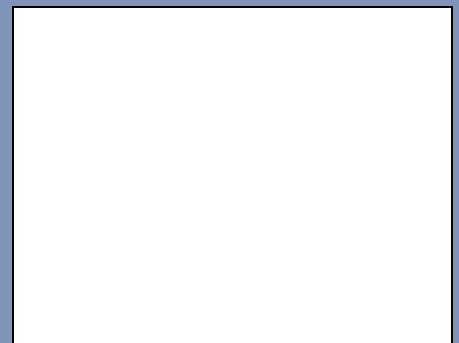
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



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.

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V..



DAIKIN EUROPE N.V.

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



EEDEN08-200 • 12/2007 • Copyright © Daikin

The present publication supersedes EEDEN07-200
Printed in Belgium by Lannoo (www.lannooprint.be), a company whose concern for the environment is set in the ENIAS and ISO 14001 systems.
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B- 8400 Oostende