



Air Conditioners

Technical Data

VRV[®]III-S

VRV[®]III-S Heat Pump



EEDEN11-200

RXYSQ-P8V1B



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EEDEN11-200

RXYSQ-P8V1B

TABLE OF CONTENTS

RXYSQ-P8V1

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Options	5
	Options	5
4	Capacity tables	6
	Cooling Capacity Tables	6
	Heating Capacity Tables	12
	Integrated Heating Capacity Correction Factor	18
	Capacity Correction Factor	19
5	Dimensional drawings	21
	Dimensional Drawings	21
6	Centre of gravity	22
	Centre of Gravity	22
7	Piping diagrams	23
	Piping Diagrams	23
8	Wiring Diagrams	24
	Wiring Diagrams	24
9	External connection diagrams	25
	External Connection Diagrams	25
10	Sound data	26
	Sound Power Spectrum	26
	Sound Pressure Spectrum	27
11	Installation	28
	Installation Method	28
12	Operation range	29
	Operation Range	29

1 Features



2 Specifications

2-1 Technical Specifications				RXYSQ4P8V1B	RXYSQ5P8V1B	RXYSQ6P8V1B			
Capacity range			HP	4	5	6			
Cooling capacity	Nom.			kW	11.2 (1)	14.0 (1)	15.5 (1)		
Heating capacity	Nom.			kW	12.5 (2)	16.0 (2)	18.0 (2)		
Capacity control		Method		Inverter controlled					
		Steps		%			24 to 100		
Power input - 50Hz	Cooling	Nom.			kW	2.81	3.51	4.53	
	Heating	Nom.			kW	2.74	3.86	4.57	
EER				3.99		3.42			
COP				4.56		4.15	3.94		
Maximum number of connectable indoor units				8 (12) \<br /\> 6 (13)		10 (12) \<br /\> 8 (13)	13 (12) \<br /\> 9 (13)		
Indoor index connection	Min.				50	62.5	70		
	Nom.				-				
	Max.				130	162.5	182		
Casing	Colour			Daikin White					
	Material			Painted galvanized steel plate					
Sound power level	Cooling	Nom.			dBA	66	67	69	
Sound pressure level	Cooling	Nom.			dBA	50	51	53	
	Heating	Nom.			dBA	52	53	55	
Operation range	Cooling	Standard	Min.			°CDB		-5	
		Max.				°CDB		46	
	Heating	Min.				°CWB		-20	
		Max.				°CWB		15.5	
Refrigerant	Type			R-410A					
	Control			Expansion valve					
	Circuits	Quantity		1					
Refrigerant oil	Type			Daphne FVC68D					
Piping connections	Liquid	Type		Flare connection					
		OD	mm	9.52					
	Gas	Type		Flare connection (VRV®) \<br /\> Braze connection (RA)		Flare connection (VRV®) \<br /\> Braze connection (RA)		Braze connection	
		OD	mm	15.9 (12) \<br /\> 19.1 (13)		15.9 (12) \<br /\> 19.1 (13)		19.1	
	Drain	Quantity		3					
		OD	mm	26x3					
	Heat insulation				Both liquid and gas pipes				
	Total piping length	System	Actual	m	300 (12) \<br /\> 115 (13)		300 (12) \<br /\> 135 (13)	300 (12) \<br /\> 145 (13)	
	Level difference	OU - IU	Outdoor unit in highest position	m	50 (12) \<br /\> 30 (13)		50 (12) \<br /\> 30 (13)		50 (12) \<br /\> 30 (13)
			Indoor unit in highest position	m	40 (12) \<br /\> 30 (13)		40 (12) \<br /\> 30 (13)		40 (12) \<br /\> 30 (13)
IU - IU		Max.	m	15					
Defrost method				Reversed cycle					
Defrost control				Sensor for outdoor heat exchanger temperature					

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Connection pipes; Quantity : 3;

2 Specifications

2-2 Electrical Specifications				RXYSQ4P8V1B	RXYSQ5P8V1B	RXYSQ6P8V1B
Power supply	Name			V1		
	Phase			1N~		
	Frequency	Hz		50		
	Voltage	V		220-240		
Voltage range	Min.	%		-10		
	Max.	%		10		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	15.9	20.2	22.2
Current - 50Hz	Maximum running current		A	27.0		
	Starting current (MSC)		A	15.9	20.2	22.2
	Zmax	List		No requirements		
	Minimum circuit amps (MCA)		A	27.0		
	Maximum fuse amps (MFA)		A	32.0		
	Full load amps (FLA)	Fan motor	A	0.3		
Fan motor 2		A	0.3			
Wiring connections - 50Hz	For power supply	Quantity		3		
		Remark		Earth wire included		
	For connection with indoor	Quantity		2		
		Remark		F1,F2		
Power supply intake				Both indoor and outdoor unit		
Field earth leakage breaker		mA		300		

Notes

- (1)Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (2)Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (3)Sound power level is an absolute value that a sound source generates.
- (4)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.
- (5)Sound values are measured in a semi-anechoic room.
- (6)RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
- (7)Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- (8)Maximum allowable voltage range variation between phases is 2%.
- (9)Select wire size based on the value of MCA
- (10)Use a circuit breaker instead of a fuse. MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- (11)MSC means the maximum current during start up of the compressor
- (12)In case VRV® indoor units are connected
- (13)In case RA indoors are connected
- (14)Minimum Ssc (=Short-circuit power) value: Equipment complying with EN/IEC 61000-3-12: European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $I > 16A$ and $\leq 75A$ per phase

3 Options

3 - 1 Options

RXYSW-P8V1B

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

4TW33621-3

NOTES

Note: All options are kits.

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ4P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90% 10.08 kW	10	6.80	0.87	8.11	1.05	9.42	1.23	10.1	1.33	10.7	1.43	12.0	1.64	13.4	1.84
	12	6.80	0.88	8.11	1.06	9.42	1.26	10.1	1.36	10.7	1.46	12.0	1.67	13.4	1.88
	14	6.80	0.90	8.11	1.08	9.42	1.28	10.1	1.38	10.7	1.49	12.0	1.70	13.4	1.91
	16	6.80	0.91	8.11	1.10	9.42	1.30	10.1	1.41	10.7	1.51	12.0	1.73	13.4	1.95
	18	6.80	0.93	8.11	1.12	9.42	1.33	10.1	1.44	10.7	1.54	12.0	1.77	13.4	2.06
	20	6.80	0.95	8.11	1.15	9.42	1.36	10.1	1.47	10.7	1.60	12.0	1.90	13.4	2.22
	21	6.80	0.95	8.11	1.16	9.42	1.38	10.1	1.52	10.7	1.66	12.0	1.97	13.4	2.30
	23	6.80	0.97	8.11	1.20	9.42	1.48	10.1	1.62	10.7	1.78	12.0	2.11	13.4	2.47
	25	6.80	1.02	8.11	1.29	9.42	1.58	10.1	1.74	10.7	1.90	12.0	2.26	13.4	2.64
	27	6.80	1.09	8.11	1.37	9.42	1.69	10.1	1.86	10.7	2.03	12.0	2.42	13.4	2.83
	29	6.80	1.16	8.11	1.46	9.42	1.80	10.1	1.98	10.7	2.17	12.0	2.58	13.4	3.03
	31	6.80	1.23	8.11	1.56	9.42	1.92	10.1	2.11	10.7	2.32	12.0	2.76	13.4	3.24
	33	6.80	1.31	8.11	1.66	9.42	2.04	10.1	2.25	10.7	2.47	12.0	2.94	13.4	3.46
	35	6.80	1.39	8.11	1.76	9.42	2.18	10.1	2.40	10.7	2.64	12.0	3.14	13.2	3.59
	37	6.80	1.48	8.11	1.87	9.42	2.32	10.1	2.56	10.7	2.81	12.0	3.35	12.9	3.71
	39	6.80	1.57	8.11	1.99	9.42	2.47	10.1	2.72	10.7	2.99	12.0	3.57	12.7	3.84
80% 8.96 kW	10	6.05	0.77	7.21	0.92	8.38	1.08	8.96	1.17	9.54	1.25	10.7	1.43	11.9	1.61
	12	6.05	0.78	7.21	0.94	8.38	1.10	8.96	1.19	9.54	1.27	10.7	1.45	11.9	1.64
	14	6.05	0.79	7.21	0.95	8.38	1.12	8.96	1.21	9.54	1.30	10.7	1.48	11.9	1.67
	16	6.05	0.81	7.21	0.97	8.38	1.14	8.96	1.23	9.54	1.32	10.7	1.51	11.9	1.70
	18	6.05	0.82	7.21	0.99	8.38	1.16	8.96	1.26	9.54	1.35	10.7	1.54	11.9	1.74
	20	6.05	0.84	7.21	1.01	8.38	1.19	8.96	1.28	9.54	1.38	10.7	1.60	11.9	1.86
	21	6.05	0.84	7.21	1.02	8.38	1.20	8.96	1.29	9.54	1.40	10.7	1.65	11.9	1.92
	23	6.05	0.86	7.21	1.04	8.38	1.26	8.96	1.38	9.54	1.50	10.7	1.77	11.9	2.06
	25	6.05	0.89	7.21	1.10	8.38	1.34	8.96	1.47	9.54	1.61	10.7	1.90	11.9	2.21
	27	6.05	0.94	7.21	1.18	8.38	1.43	8.96	1.57	9.54	1.72	10.7	2.03	11.9	2.36
	29	6.05	1.00	7.21	1.25	8.38	1.53	8.96	1.68	9.54	1.83	10.7	2.16	11.9	2.53
	31	6.05	1.07	7.21	1.33	8.38	1.63	8.96	1.79	9.54	1.95	10.7	2.31	11.9	2.70
	33	6.05	1.13	7.21	1.41	8.38	1.73	8.96	1.90	9.54	2.08	10.7	2.46	11.9	2.88
	35	6.05	1.20	7.21	1.50	8.38	1.84	8.96	2.02	9.54	2.22	10.7	2.63	11.9	3.07
	37	6.05	1.27	7.21	1.60	8.38	1.96	8.96	2.15	9.54	2.36	10.7	2.80	11.9	3.28
	39	6.05	1.35	7.21	1.69	8.38	2.08	8.96	2.29	9.54	2.51	10.7	2.98	11.9	3.49
70% 7.84 kW	10	5.29	0.68	6.31	0.80	7.33	0.94	7.84	1.01	8.35	1.08	9.37	1.23	10.4	1.38
	12	5.29	0.69	6.31	0.82	7.33	0.95	7.84	1.02	8.35	1.10	9.37	1.25	10.4	1.40
	14	5.29	0.70	6.31	0.83	7.33	0.97	7.84	1.04	8.35	1.12	9.37	1.27	10.4	1.43
	16	5.29	0.71	6.31	0.84	7.33	0.99	7.84	1.06	8.35	1.14	9.37	1.30	10.4	1.46
	18	5.29	0.72	6.31	0.86	7.33	1.01	7.84	1.08	8.35	1.16	9.37	1.32	10.4	1.49
	20	5.29	0.73	6.31	0.87	7.33	1.02	7.84	1.10	8.35	1.18	9.37	1.35	10.4	1.53
	21	5.29	0.74	6.31	0.88	7.33	1.03	7.84	1.11	8.35	1.19	9.37	1.37	10.4	1.58
	23	5.29	0.75	6.31	0.90	7.33	1.06	7.84	1.15	8.35	1.25	9.37	1.47	10.4	1.70
	25	5.29	0.77	6.31	0.93	7.33	1.13	7.84	1.23	8.35	1.34	9.37	1.57	10.4	1.81
	27	5.29	0.81	6.31	0.99	7.33	1.20	7.84	1.31	8.35	1.43	9.37	1.67	10.4	1.94
	29	5.29	0.86	6.31	1.06	7.33	1.28	7.84	1.40	8.35	1.52	9.37	1.78	10.4	2.07
	31	5.29	0.91	6.31	1.12	7.33	1.36	7.84	1.49	8.35	1.62	9.37	1.90	10.4	2.21
	33	5.29	0.96	6.31	1.19	7.33	1.44	7.84	1.58	8.35	1.72	9.37	2.03	10.4	2.36
	35	5.29	1.02	6.31	1.26	7.33	1.54	7.84	1.68	8.35	1.83	9.37	2.16	10.4	2.51
	37	5.29	1.08	6.31	1.34	7.33	1.63	7.84	1.79	8.35	1.95	9.37	2.30	10.4	2.67
	39	5.29	1.14	6.31	1.42	7.33	1.73	7.84	1.90	8.35	2.07	9.37	2.44	10.4	2.85
60% 6.72 kW	10	4.54	0.59	5.41	0.69	6.28	0.80	6.72	0.86	7.16	0.91	8.03	1.03	8.90	1.16
	12	4.54	0.60	5.41	0.70	6.28	0.81	6.72	0.87	7.16	0.93	8.03	1.05	8.90	1.18
	14	4.54	0.61	5.41	0.71	6.28	0.83	6.72	0.89	7.16	0.95	8.03	1.07	8.90	1.20
	16	4.54	0.61	5.41	0.72	6.28	0.84	6.72	0.90	7.16	0.96	8.03	1.09	8.90	1.22
	18	4.54	0.62	5.41	0.74	6.28	0.85	6.72	0.92	7.16	0.98	8.03	1.11	8.90	1.25
	20	4.54	0.63	5.41	0.75	6.28	0.87	6.72	0.93	7.16	1.00	8.03	1.13	8.90	1.27
	21	4.54	0.64	5.41	0.75	6.28	0.88	6.72	0.94	7.16	1.01	8.03	1.14	8.90	1.28
	23	4.54	0.65	5.41	0.77	6.28	0.89	6.72	0.96	7.16	1.03	8.03	1.19	8.90	1.37
	25	4.54	0.66	5.41	0.78	6.28	0.93	6.72	1.01	7.16	1.09	8.03	1.27	8.90	1.46
	27	4.54	0.68	5.41	0.83	6.28	0.99	6.72	1.07	7.16	1.16	8.03	1.35	8.90	1.56
	29	4.54	0.72	5.41	0.88	6.28	1.05	6.72	1.14	7.16	1.24	8.03	1.44	8.90	1.66
	31	4.54	0.77	5.41	0.93	6.28	1.12	6.72	1.21	7.16	1.32	8.03	1.54	8.90	1.77
	33	4.54	0.81	5.41	0.99	6.28	1.19	6.72	1.29	7.16	1.40	8.03	1.63	8.90	1.89
	35	4.54	0.86	5.41	1.05	6.28	1.26	6.72	1.37	7.16	1.49	8.03	1.74	8.90	2.01
	37	4.54	0.91	5.41	1.11	6.28	1.33	6.72	1.45	7.16	1.58	8.03	1.85	8.90	2.13
	39	4.54	0.96	5.41	1.17	6.28	1.41	6.72	1.54	7.16	1.68	8.03	1.96	8.90	2.27
50% 5.60 kW	10	3.78	0.51	4.51	0.59	5.24	0.67	5.60	0.71	5.96	0.76	6.69	0.85	7.42	0.95
	12	3.78	0.51	4.51	0.59	5.24	0.68	5.60	0.73	5.96	0.77	6.69	0.87	7.42	0.97
	14	3.78	0.52	4.51	0.60	5.24	0.69	5.60	0.74	5.96	0.78	6.69	0.88	7.42	0.98
	16	3.78	0.53	4.51	0.61	5.24	0.70	5.60	0.75	5.96	0.80	6.69	0.90	7.42	1.00
	18	3.78	0.53	4.51	0.62	5.24	0.71	5.60	0.76	5.96	0.81	6.69	0.91	7.42	1.02
	20	3.78	0.54	4.51	0.63	5.24	0.73	5.60	0.77	5.96	0.83	6.69	0.93	7.42	1.04
	21	3.78	0.55	4.51	0.64	5.24	0.73	5.60	0.78	5.96	0.83	6.69	0.94	7.42	1.05
	23	3.78	0.55	4.51	0.65	5.24	0.74	5.60	0.80	5.96	0.85	6.69	0.96	7.42	1.07
	25	3.78	0.56	4.51	0.66	5.24	0.76	5.60	0.81	5.96	0.87	6.69	1.00	7.42	1.14
	27	3.78	0.57	4.51	0.68	5.24	0.80	5.60	0.86	5.96	0.93	6.69	1.07	7.42	1.22
	29	3.78	0.60	4.51	0.72	5.24	0.85	5.60	0.92	5.96	0.99	6.69	1.14	7.42	1.30
	31	3.78	0.64	4.51	0.76	5.24	0.90	5.60	0.97	5.96	1.05	6.69	1.21	7.42	1.38
	33	3.78	0.67	4.51	0.81	5.24	0.95	5.60	1.03	5.96	1.11	6.69	1.28	7.42	1.47
	35	3.78	0.71	4.51	0.85	5.24	1.01	5.60	1.09	5.96	1.18	6.69	1.36	7.42	1.56
	37	3.78	0.75	4.51	0.90	5.24	1.07	5.60	1.16	5.96	1.25	6.69	1.45	7.42	1.66
	39	3.78	0.79	4.51	0.95	5.24	1.13	5.60	1.22	5.96	1.32	6.69	1.53	7.42	1.76

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ4P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130% 14.56 kW	10	9.83	1.29	11.7	1.58	13.6	1.88	14.6	2.04	15.5	2.19	16.6	2.27	16.9	2.17
	12	9.83	1.32	11.7	1.61	13.6	1.92	14.6	2.07	15.5	2.23	16.4	2.26	16.7	2.22
	14	9.83	1.34	11.7	1.64	13.6	1.96	14.6	2.11	15.5	2.27	16.1	2.33	16.5	2.34
	16	9.83	1.37	11.7	1.68	13.6	1.99	14.6	2.18	15.5	2.41	15.9	2.45	16.3	2.47
	18	9.83	1.40	11.7	1.71	13.6	2.12	14.6	2.35	15.4	2.55	15.7	2.57	16.1	2.59
	20	9.83	1.42	11.7	1.82	13.6	2.28	14.6	2.53	15.2	2.68	15.5	2.70	15.9	2.72
	21	9.83	1.46	11.7	1.89	13.6	2.37	14.6	2.63	15.0	2.74	15.4	2.76	15.8	2.78
	23	9.83	1.57	11.7	2.02	13.6	2.54	14.6	2.82	14.8	2.87	15.2	2.89	15.5	2.91
	25	9.83	1.67	11.7	2.17	13.6	2.72	14.4	2.98	14.6	2.99	15.0	3.01	15.3	3.04
	27	9.83	1.79	11.7	2.32	13.6	2.91	14.2	3.10	14.4	3.12	14.8	3.14	15.1	3.17
	29	9.83	1.91	11.7	2.48	13.6	3.12	14.0	3.23	14.2	3.24	14.5	3.27	14.9	3.30
	31	9.83	2.04	11.7	2.64	13.6	3.33	13.8	3.35	14.0	3.37	14.3	3.40	14.7	3.43
	33	9.83	2.17	11.7	2.82	13.4	3.46	13.6	3.48	13.8	3.50	14.1	3.53	14.5	3.56
35	9.83	2.31	11.7	3.01	13.2	3.59	13.4	3.61	13.6	3.62	13.9	3.65	14.3	3.69	
37	9.83	2.46	11.7	3.21	13.0	3.72	13.2	3.73	13.3	3.75	13.7	3.78	14.0	3.82	
39	9.83	2.62	11.7	3.42	12.8	3.84	13.0	3.86	13.1	3.88	13.5	3.91	13.8	3.95	
120% 13.44 kW	10	9.07	1.18	10.8	1.44	12.6	1.72	13.4	1.86	14.3	2.00	16.1	2.28	16.6	2.25
	12	9.07	1.20	10.8	1.47	12.6	1.75	13.4	1.89	14.3	2.03	16.1	2.32	16.4	2.23
	14	9.07	1.23	10.8	1.50	12.6	1.78	13.4	1.93	14.3	2.07	15.9	2.32	16.2	2.33
	16	9.07	1.25	10.8	1.53	12.6	1.82	13.4	1.96	14.3	2.13	15.7	2.44	16.0	2.45
	18	9.07	1.27	10.8	1.56	12.6	1.88	13.4	2.08	14.3	2.29	15.5	2.56	15.8	2.58
	20	9.07	1.30	10.8	1.62	12.6	2.02	13.4	2.24	14.3	2.47	15.3	2.68	15.6	2.70
	21	9.07	1.31	10.8	1.68	12.6	2.09	13.4	2.32	14.3	2.56	15.1	2.75	15.5	2.77
	23	9.07	1.40	10.8	1.80	12.6	2.25	13.4	2.49	14.3	2.75	14.9	2.87	15.3	2.89
	25	9.07	1.50	10.8	1.92	12.6	2.41	13.4	2.67	14.3	2.94	14.7	3.00	15.1	3.02
	27	9.07	1.60	10.8	2.06	12.6	2.58	13.4	2.86	14.2	3.10	14.5	3.12	14.8	3.15
	29	9.07	1.70	10.8	2.20	12.6	2.75	13.4	3.06	14.0	3.22	14.3	3.25	14.6	3.28
	31	9.07	1.82	10.8	2.35	12.6	2.94	13.4	3.27	13.8	3.35	14.1	3.38	14.4	3.40
	33	9.07	1.93	10.8	2.50	12.6	3.14	13.4	3.46	13.5	3.48	13.9	3.50	14.2	3.53
35	9.07	2.06	10.8	2.67	12.6	3.35	13.2	3.59	13.3	3.60	13.7	3.63	14.0	3.66	
37	9.07	2.19	10.8	2.84	12.6	3.58	13.0	3.71	13.1	3.73	13.4	3.76	13.8	3.79	
39	9.07	2.33	10.8	3.03	12.6	3.82	12.7	3.84	12.9	3.86	13.2	3.89	13.6	3.92	
110% 12.32 kW	10	8.31	1.07	9.92	1.31	11.5	1.55	12.3	1.68	13.1	1.81	14.7	2.06	16.3	2.32
	12	8.31	1.09	9.92	1.33	11.5	1.58	12.3	1.71	13.1	1.84	14.7	2.10	16.2	2.32
	14	8.31	1.11	9.92	1.36	11.5	1.61	12.3	1.74	13.1	1.87	14.7	2.14	15.9	2.32
	16	8.31	1.13	9.92	1.38	11.5	1.64	12.3	1.78	13.1	1.91	14.7	2.22	15.7	2.44
	18	8.31	1.16	9.92	1.41	11.5	1.68	12.3	1.83	13.1	2.01	14.7	2.40	15.5	2.56
	20	8.31	1.18	9.92	1.44	11.5	1.78	12.3	1.96	13.1	2.16	14.7	2.58	15.3	2.69
	21	8.31	1.19	9.92	1.48	11.5	1.84	12.3	2.03	13.1	2.24	14.7	2.67	15.2	2.75
	23	8.31	1.24	9.92	1.59	11.5	1.97	12.3	2.18	13.1	2.40	14.7	2.86	15.0	2.88
	25	8.31	1.33	9.92	1.70	11.5	2.11	12.3	2.34	13.1	2.57	14.5	2.98	14.8	3.00
	27	8.31	1.42	9.92	1.81	11.5	2.26	12.3	2.50	13.1	2.75	14.3	3.11	14.6	3.13
	29	8.31	1.51	9.92	1.93	11.5	2.41	12.3	2.67	13.1	2.94	14.0	3.23	14.3	3.25
	31	8.31	1.61	9.92	2.06	11.5	2.58	12.3	2.85	13.1	3.15	13.8	3.36	14.1	3.38
	33	8.31	1.71	9.92	2.20	11.5	2.75	12.3	3.05	13.1	3.36	13.6	3.48	13.9	3.51
35	8.31	1.82	9.92	2.34	11.5	2.93	12.3	3.25	13.1	3.58	13.4	3.61	13.7	3.64	
37	8.31	1.94	9.92	2.50	11.5	3.13	12.3	3.47	12.9	3.71	13.2	3.74	13.5	3.77	
39	8.31	2.06	9.92	2.66	11.5	3.33	12.3	3.70	12.7	3.83	13.0	3.86	13.3	3.89	
100% 11.20 kW	10	7.56	0.97	9.02	1.17	10.5	1.39	11.2	1.50	11.9	1.62	13.4	1.85	14.8	2.08
	12	7.56	0.99	9.02	1.20	10.5	1.42	11.2	1.53	11.9	1.65	13.4	1.88	14.8	2.12
	14	7.56	1.00	9.02	1.22	10.5	1.44	11.2	1.56	11.9	1.68	13.4	1.92	14.8	2.16
	16	7.56	1.02	9.02	1.24	10.5	1.47	11.2	1.59	11.9	1.71	13.4	1.96	14.8	2.25
	18	7.56	1.04	9.02	1.26	10.5	1.50	11.2	1.62	11.9	1.75	13.4	2.07	14.8	2.43
	20	7.56	1.06	9.02	1.29	10.5	1.55	11.2	1.70	11.9	1.87	13.4	2.22	14.8	2.61
	21	7.56	1.07	9.02	1.30	10.5	1.60	11.2	1.77	11.9	1.94	13.4	2.31	14.8	2.71
	23	7.56	1.10	9.02	1.39	10.5	1.72	11.2	1.89	11.9	2.08	13.4	2.47	14.7	2.86
	25	7.56	1.17	9.02	1.48	10.5	1.84	11.2	2.02	11.9	2.22	13.4	2.65	14.5	2.98
	27	7.56	1.25	9.02	1.58	10.5	1.96	11.2	2.17	11.9	2.38	13.4	2.84	14.3	3.11
	29	7.56	1.33	9.02	1.69	10.5	2.09	11.2	2.31	11.9	2.54	13.4	3.04	14.1	3.23
	31	7.56	1.42	9.02	1.80	10.5	2.23	11.2	2.47	11.9	2.72	13.4	3.25	13.9	3.36
	33	7.56	1.50	9.02	1.92	10.5	2.38	11.2	2.63	11.9	2.90	13.4	3.46	13.6	3.48
35	7.56	1.60	9.02	2.04	10.5	2.54	11.2	2.81	11.9	3.09	13.2	3.59	13.4	3.61	
37	7.56	1.70	9.02	2.17	10.5	2.71	11.2	3.00	11.9	3.30	12.9	3.71	13.2	3.74	
39	7.56	1.80	9.02	2.31	10.5	2.88	11.2	3.19	11.9	3.52	12.7	3.84	13.0	3.87	

NOTES

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

4TW33622-1

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ5P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	PI kW	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% 12.60 kW	10	8.50	1.08	10.1	1.31	11.8	1.54	12.6	1.66	13.4	1.79	15.1	2.04	16.7	2.30
	12	8.50	1.10	10.1	1.33	11.8	1.57	12.6	1.69	13.4	1.82	15.1	2.08	16.7	2.35
	14	8.50	1.12	10.1	1.35	11.8	1.60	12.6	1.73	13.4	1.86	15.1	2.12	16.7	2.39
	16	8.50	1.14	10.1	1.38	11.8	1.63	12.6	1.76	13.4	1.89	15.1	2.16	16.7	2.44
	18	8.50	1.16	10.1	1.40	11.8	1.66	12.6	1.79	13.4	1.93	15.1	2.21	16.7	2.58
	20	8.50	1.18	10.1	1.43	11.8	1.69	12.6	1.83	13.4	2.00	15.1	2.27	16.7	2.77
	21	8.50	1.19	10.1	1.45	11.8	1.72	12.6	1.89	13.4	2.07	15.1	2.46	16.7	2.87
	23	8.50	1.22	10.1	1.51	11.8	1.85	12.6	2.03	13.4	2.22	15.1	2.63	16.7	3.08
	25	8.50	1.28	10.1	1.61	11.8	1.97	12.6	2.17	13.4	2.38	15.1	2.82	16.7	3.30
	27	8.50	1.36	10.1	1.71	11.8	2.11	12.6	2.32	13.4	2.54	15.1	3.02	16.5	3.47
	29	8.50	1.45	10.1	1.83	11.8	2.25	12.6	2.47	13.4	2.71	15.1	3.22	16.3	3.61
	31	8.50	1.54	10.1	1.94	11.8	2.40	12.6	2.64	13.4	2.90	15.1	3.44	16.0	3.75
	33	8.50	1.64	10.1	2.07	11.8	2.55	12.6	2.81	13.4	3.09	15.1	3.68	15.8	3.89
	35	8.50	1.74	10.1	2.20	11.8	2.72	12.6	3.00	13.4	3.29	15.1	3.92	15.5	4.03
	37	8.50	1.85	10.1	2.34	11.8	2.89	12.6	3.19	13.4	3.51	15.0	4.14	15.3	4.17
	39	8.50	1.96	10.1	2.49	11.8	3.08	12.6	3.40	13.4	3.74	14.7	4.28	15.0	4.31
80% 11.20 kW	10	7.56	0.96	9.02	1.15	10.5	1.35	11.2	1.46	11.9	1.56	13.4	1.78	14.8	2.01
	12	7.56	0.98	9.02	1.17	10.5	1.38	11.2	1.48	11.9	1.59	13.4	1.82	14.8	2.05
	14	7.56	0.99	9.02	1.19	10.5	1.40	11.2	1.51	11.9	1.62	13.4	1.85	14.8	2.09
	16	7.56	1.01	9.02	1.21	10.5	1.43	11.2	1.54	11.9	1.65	13.4	1.89	14.8	2.13
	18	7.56	1.03	9.02	1.23	10.5	1.45	11.2	1.57	11.9	1.69	13.4	1.92	14.8	2.17
	20	7.56	1.05	9.02	1.26	10.5	1.48	11.2	1.60	11.9	1.72	13.4	1.99	14.8	2.32
	21	7.56	1.05	9.02	1.27	10.5	1.50	11.2	1.62	11.9	1.75	13.4	2.07	14.8	2.40
	23	7.56	1.07	9.02	1.29	10.5	1.57	11.2	1.72	11.9	1.88	13.4	2.21	14.8	2.58
	25	7.56	1.11	9.02	1.38	10.5	1.68	11.2	1.84	11.9	2.01	13.4	2.37	14.8	2.76
	27	7.56	1.18	9.02	1.47	10.5	1.79	11.2	1.96	11.9	2.14	13.4	2.53	14.8	2.95
	29	7.56	1.25	9.02	1.56	10.5	1.91	11.2	2.09	11.9	2.29	13.4	2.70	14.8	3.15
	31	7.56	1.33	9.02	1.66	10.5	2.03	11.2	2.23	11.9	2.44	13.4	2.88	14.8	3.37
	33	7.56	1.41	9.02	1.77	10.5	2.16	11.2	2.38	11.9	2.60	13.4	3.08	14.8	3.60
	35	7.56	1.50	9.02	1.88	10.5	2.30	11.2	2.53	11.9	2.77	13.4	3.28	14.8	3.84
	37	7.56	1.59	9.02	1.99	10.5	2.45	11.2	2.69	11.9	2.95	13.4	3.50	14.8	4.09
	39	7.56	1.68	9.02	2.12	10.5	2.60	11.2	2.86	11.9	3.14	13.4	3.72	14.7	4.28
70% 9.80 kW	10	6.61	0.84	7.89	1.00	9.16	1.17	9.80	1.26	10.4	1.35	11.7	1.53	13.0	1.72
	12	6.61	0.86	7.89	1.02	9.16	1.19	9.80	1.28	10.4	1.37	11.7	1.56	13.0	1.75
	14	6.61	0.87	7.89	1.04	9.16	1.21	9.80	1.30	10.4	1.40	11.7	1.59	13.0	1.79
	16	6.61	0.89	7.89	1.05	9.16	1.23	9.80	1.33	10.4	1.42	11.7	1.62	13.0	1.82
	18	6.61	0.90	7.89	1.07	9.16	1.26	9.80	1.35	10.4	1.45	11.7	1.65	13.0	1.86
	20	6.61	0.91	7.89	1.09	9.16	1.28	9.80	1.38	10.4	1.48	11.7	1.68	13.0	1.91
	21	6.61	0.92	7.89	1.10	9.16	1.29	9.80	1.39	10.4	1.49	11.7	1.71	13.0	1.98
	23	6.61	0.94	7.89	1.12	9.16	1.32	9.80	1.44	10.4	1.56	11.7	1.83	13.0	2.12
	25	6.61	0.96	7.89	1.17	9.16	1.41	9.80	1.54	10.4	1.67	11.7	1.96	13.0	2.27
	27	6.61	1.01	7.89	1.24	9.16	1.50	9.80	1.64	10.4	1.78	11.7	2.09	13.0	2.42
	29	6.61	1.07	7.89	1.32	9.16	1.60	9.80	1.74	10.4	1.90	11.7	2.23	13.0	2.59
	31	6.61	1.14	7.89	1.40	9.16	1.70	9.80	1.86	10.4	2.02	11.7	2.38	13.0	2.76
	33	6.61	1.20	7.89	1.49	9.16	1.80	9.80	1.97	10.4	2.15	11.7	2.53	13.0	2.94
	35	6.61	1.28	7.89	1.58	9.16	1.92	9.80	2.10	10.4	2.29	11.7	2.70	13.0	3.14
	37	6.61	1.35	7.89	1.68	9.16	2.04	9.80	2.23	10.4	2.43	11.7	2.87	13.0	3.34
	39	6.61	1.43	7.89	1.78	9.16	2.16	9.80	2.37	10.4	2.59	11.7	3.05	13.0	3.56
60% 8.40 kW	10	5.67	0.74	6.76	0.86	7.85	1.00	8.40	1.07	8.95	1.14	10.0	1.29	11.1	1.45
	12	5.67	0.75	6.76	0.88	7.85	1.01	8.40	1.09	8.95	1.16	10.0	1.31	11.1	1.47
	14	5.67	0.76	6.76	0.89	7.85	1.03	8.40	1.11	8.95	1.18	10.0	1.34	11.1	1.50
	16	5.67	0.77	6.76	0.90	7.85	1.05	8.40	1.13	8.95	1.20	10.0	1.36	11.1	1.53
	18	5.67	0.78	6.76	0.92	7.85	1.07	8.40	1.15	8.95	1.22	10.0	1.39	11.1	1.56
	20	5.67	0.79	6.76	0.93	7.85	1.09	8.40	1.17	8.95	1.25	10.0	1.42	11.1	1.59
	21	5.67	0.80	6.76	0.94	7.85	1.10	8.40	1.18	8.95	1.26	10.0	1.43	11.1	1.60
	23	5.67	0.81	6.76	0.96	7.85	1.12	8.40	1.20	8.95	1.28	10.0	1.48	11.1	1.71
	25	5.67	0.82	6.76	0.98	7.85	1.16	8.40	1.26	8.95	1.36	10.0	1.59	11.1	1.82
	27	5.67	0.85	6.76	1.04	7.85	1.24	8.40	1.34	8.95	1.45	10.0	1.69	11.1	1.95
	29	5.67	0.91	6.76	1.10	7.85	1.31	8.40	1.43	8.95	1.55	10.0	1.80	11.1	2.07
	31	5.67	0.96	6.76	1.17	7.85	1.39	8.40	1.52	8.95	1.65	10.0	1.92	11.1	2.21
	33	5.67	1.01	6.76	1.24	7.85	1.48	8.40	1.61	8.95	1.75	10.0	2.04	11.1	2.35
	35	5.67	1.07	6.76	1.31	7.85	1.57	8.40	1.71	8.95	1.86	10.0	2.17	11.1	2.51
	37	5.67	1.13	6.76	1.39	7.85	1.67	8.40	1.82	8.95	1.97	10.0	2.31	11.1	2.67
	39	5.67	1.20	6.76	1.47	7.85	1.77	8.40	1.93	8.95	2.09	10.0	2.45	11.1	2.84
50% 7.00 kW	10	4.72	0.63	5.63	0.73	6.54	0.84	7.00	0.89	7.46	0.95	8.37	1.06	9.28	1.19
	12	4.72	0.64	5.63	0.74	6.54	0.85	7.00	0.91	7.46	0.96	8.37	1.08	9.28	1.21
	14	4.72	0.65	5.63	0.75	6.54	0.86	7.00	0.92	7.46	0.98	8.37	1.10	9.28	1.23
	16	4.72	0.66	5.63	0.76	6.54	0.88	7.00	0.94	7.46	1.00	8.37	1.12	9.28	1.25
	18	4.72	0.67	5.63	0.78	6.54	0.89	7.00	0.95	7.46	1.01	8.37	1.14	9.28	1.27
	20	4.72	0.68	5.63	0.79	6.54	0.91	7.00	0.97	7.46	1.03	8.37	1.16	9.28	1.30
	21	4.72	0.68	5.63	0.79	6.54	0.91	7.00	0.98	7.46	1.04	8.37	1.17	9.28	1.31
	23	4.72	0.69	5.63	0.81	6.54	0.93	7.00	0.99	7.46	1.06	8.37	1.19	9.28	1.34
	25	4.72	0.70	5.63	0.82	6.54	0.95	7.00	1.01	7.46	1.09	8.37	1.25	9.28	1.43
	27	4.72	0.71	5.63	0.85	6.54	1.00	7.00	1.08	7.46	1.16	8.37	1.34	9.28	1.52
	29	4.72	0.75	5.63	0.90	6.54	1.06	7.00	1.14	7.46	1.23	8.37	1.42	9.28	1.62
	31	4.72	0.80	5.63	0.95	6.54	1.12	7.00	1.21	7.46	1.31	8.37	1.51	9.28	1.73
	33	4.72	0.84	5.63	1.01	6.54	1.19	7.00	1.29	7.46	1.39	8.37	1.60	9.28	1.83
	35	4.72	0.89	5.63	1.07	6.54	1.26	7.00	1.36	7.46	1.47	8.37	1.70	9.28	1.95
	37	4.72	0.94	5.63	1.13	6.54	1.33	7.00	1.44	7.46	1.56	8.37	1.81	9.28	2.07
	39	4.72	0.99	5.63	1.19	6.54	1.41	7.00	1.53	7.46	1.65	8.37	1.92	9.28	2.20

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ5P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130% 18.20 kW	10	12.3	1.62	14.6	1.98	17.0	2.35	18.2	2.54	19.1	2.67	19.6	2.55	20.0	2.44
	12	12.3	1.65	14.6	2.02	17.0	2.40	18.2	2.59	18.9	2.65	19.3	2.54	19.8	2.49
	14	12.3	1.68	14.6	2.05	17.0	2.44	18.2	2.64	18.6	2.64	19.1	2.61	19.5	2.64
	16	12.3	1.71	14.6	2.09	17.0	2.49	18.2	2.72	18.4	2.73	18.8	2.75	19.3	2.78
	18	12.3	1.74	14.6	2.14	17.0	2.65	17.9	2.86	18.1	2.87	18.6	2.90	19.0	2.92
	20	12.3	1.78	14.6	2.28	17.0	2.85	17.7	3.00	17.9	3.01	18.3	3.04	18.8	3.06
	21	12.3	1.83	14.6	2.36	17.0	2.96	17.5	3.07	17.8	3.08	18.2	3.11	18.7	3.13
	23	12.3	1.96	14.6	2.53	17.0	3.17	17.3	3.21	17.5	3.22	18.0	3.25	18.4	3.28
	25	12.3	2.09	14.6	2.71	16.8	3.33	17.1	3.35	17.3	3.36	17.7	3.39	18.2	3.42
	27	12.3	2.23	14.6	2.89	16.6	3.47	16.8	3.49	17.0	3.50	17.5	3.54	17.9	3.57
	29	12.3	2.39	14.6	3.09	16.3	3.61	16.6	3.63	16.8	3.65	17.2	3.68	17.7	3.71
	31	12.3	2.54	14.6	3.30	16.1	3.75	16.3	3.77	16.5	3.79	17.0	3.82	17.4	3.86
	33	12.3	2.71	14.6	3.53	15.8	3.89	16.1	3.91	16.3	3.93	16.7	3.97	17.2	4.01
	35	12.3	2.89	14.6	3.76	15.6	4.04	15.8	4.06	16.0	4.08	16.5	4.12	16.9	4.16
	37	12.3	3.08	14.6	4.01	15.3	4.18	15.6	4.20	15.8	4.22	16.2	4.26	16.7	4.31
	39	12.3	3.27	14.6	4.28	15.1	4.32	15.3	4.34	15.5	4.37	16.0	4.41	16.4	4.46
120% 16.80 kW	10	11.3	1.48	13.5	1.80	15.7	2.14	16.8	2.32	17.9	2.49	19.3	2.64	19.7	2.53
	12	11.3	1.50	13.5	1.84	15.7	2.19	16.8	2.36	17.9	2.54	19.0	2.62	19.4	2.51
	14	11.3	1.53	13.5	1.87	15.7	2.23	16.8	2.41	17.9	2.59	18.8	2.60	19.2	2.62
	16	11.3	1.56	13.5	1.91	15.7	2.27	16.8	2.45	17.9	2.66	18.5	2.74	18.9	2.76
	18	11.3	1.59	13.5	1.95	15.7	2.35	16.8	2.60	17.9	2.86	18.3	2.88	18.7	2.90
	20	11.3	1.62	13.5	2.02	15.7	2.52	16.8	2.80	17.6	2.99	18.0	3.02	18.4	3.04
	21	11.3	1.64	13.5	2.10	15.7	2.62	16.8	2.90	17.5	3.06	17.9	3.09	18.3	3.11
	23	11.3	1.75	13.5	2.25	15.7	2.81	16.8	3.11	17.2	3.20	17.7	3.23	18.1	3.26
	25	11.3	1.87	13.5	2.40	15.7	3.01	16.8	3.33	17.0	3.34	17.4	3.37	17.8	3.40
	27	11.3	2.00	13.5	2.57	15.7	3.22	16.5	3.47	16.7	3.48	17.2	3.51	17.6	3.54
	29	11.3	2.13	13.5	2.74	15.7	3.44	16.3	3.61	16.5	3.62	16.9	3.66	17.3	3.69
	31	11.3	2.27	13.5	2.93	15.7	3.68	16.0	3.75	16.2	3.77	16.7	3.80	17.1	3.83
	33	11.3	2.42	13.5	3.12	15.6	3.87	15.8	3.89	16.0	3.91	16.4	3.94	16.8	3.98
	35	11.3	2.57	13.5	3.33	15.3	4.01	15.5	4.03	15.8	4.05	16.2	4.09	16.6	4.12
	37	11.3	2.74	13.5	3.55	15.1	4.15	15.3	4.17	15.5	4.19	15.9	4.23	16.3	4.27
	39	11.3	2.91	13.5	3.78	14.8	4.30	15.1	4.32	15.3	4.34	15.7	4.38	16.1	4.42
110% 15.40 kW	10	10.4	1.34	12.4	1.63	14.4	1.94	15.4	2.10	16.4	2.26	18.4	2.58	19.3	2.62
	12	10.4	1.37	12.4	1.66	14.4	1.98	15.4	2.14	16.4	2.30	18.4	2.62	19.1	2.60
	14	10.4	1.39	12.4	1.69	14.4	2.01	15.4	2.18	16.4	2.34	18.4	2.67	18.8	2.60
	16	10.4	1.42	12.4	1.73	14.4	2.05	15.4	2.22	16.4	2.39	18.2	2.72	18.6	2.74
	18	10.4	1.44	12.4	1.76	14.4	2.09	15.4	2.28	16.4	2.51	18.0	2.86	18.3	2.88
	20	10.4	1.47	12.4	1.80	14.4	2.22	15.4	2.45	16.4	2.70	17.7	3.00	18.1	3.02
	21	10.4	1.49	12.4	1.85	14.4	2.30	15.4	2.54	16.4	2.79	17.6	3.07	18.0	3.09
	23	10.4	1.55	12.4	1.98	14.4	2.46	15.4	2.72	16.4	3.00	17.3	3.21	17.7	3.23
	25	10.4	1.66	12.4	2.12	14.4	2.64	15.4	2.92	16.4	3.21	17.1	3.35	17.5	3.38
	27	10.4	1.77	12.4	2.26	14.4	2.82	15.4	3.12	16.4	3.44	16.8	3.49	17.2	3.52
	29	10.4	1.89	12.4	2.42	14.4	3.01	15.4	3.34	16.2	3.60	16.6	3.63	17.0	3.66
	31	10.4	2.01	12.4	2.58	14.4	3.22	15.4	3.57	16.0	3.74	16.3	3.77	16.7	3.80
	33	10.4	2.14	12.4	2.75	14.4	3.43	15.4	3.81	15.7	3.88	16.1	3.92	16.5	3.95
	35	10.4	2.28	12.4	2.93	14.4	3.66	15.3	4.01	15.5	4.02	15.8	4.06	16.2	4.09
	37	10.4	2.42	12.4	3.12	14.4	3.91	15.0	4.15	15.2	4.17	15.6	4.20	16.0	4.24
	39	10.4	2.57	12.4	3.32	14.4	4.16	14.8	4.29	15.0	4.31	15.4	4.35	15.7	4.39
100% 14.00 kW	10	9.45	1.21	11.3	1.47	13.1	1.74	14.0	1.88	14.9	2.02	16.7	2.31	18.6	2.60
	12	9.45	1.23	11.3	1.49	13.1	1.77	14.0	1.91	14.9	2.06	16.7	2.35	18.6	2.65
	14	9.45	1.25	11.3	1.52	13.1	1.80	14.0	1.95	14.9	2.10	16.7	2.40	18.5	2.68
	16	9.45	1.28	11.3	1.55	13.1	1.84	14.0	1.99	14.9	2.14	16.7	2.44	18.2	2.72
	18	9.45	1.30	11.3	1.58	13.1	1.88	14.0	2.03	14.9	2.18	16.7	2.58	18.0	2.86
	20	9.45	1.32	11.3	1.61	13.1	1.93	14.0	2.13	14.9	2.34	16.7	2.78	17.7	3.00
	21	9.45	1.34	11.3	1.63	13.1	2.00	14.0	2.20	14.9	2.42	16.7	2.88	17.6	3.07
	23	9.45	1.37	11.3	1.74	13.1	2.14	14.0	2.36	14.9	2.59	16.7	3.09	17.4	3.21
	25	9.45	1.46	11.3	1.85	13.1	2.29	14.0	2.53	14.9	2.78	16.7	3.31	17.1	3.35
	27	9.45	1.56	11.3	1.98	13.1	2.45	14.0	2.70	14.9	2.97	16.5	3.47	16.9	3.49
	29	9.45	1.66	11.3	2.11	13.1	2.62	14.0	2.89	14.9	3.18	16.3	3.61	16.6	3.63
	31	9.45	1.77	11.3	2.25	13.1	2.79	14.0	3.08	14.9	3.39	16.0	3.75	16.4	3.78
	33	9.45	1.88	11.3	2.40	13.1	2.98	14.0	3.29	14.9	3.62	15.8	3.89	16.1	3.92
	35	9.45	2.00	11.3	2.55	13.1	3.17	14.0	3.51	14.9	3.86	15.5	4.03	15.9	4.06
	37	9.45	2.12	11.3	2.71	13.1	3.38	14.0	3.74	14.9	4.12	15.3	4.17	15.6	4.21
	39	9.45	2.25	11.3	2.89	13.1	3.60	14.0	3.99	14.7	4.28	15.0	4.32	15.4	4.35

NOTES

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

4TW33622-1

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ6P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC kW	PI kW	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% 14.40 kW	10	9.41	1.40	11.2	1.69	13.0	1.99	14.0	2.15	14.9	2.31	16.7	2.64	18.5	2.97
	12	9.41	1.42	11.2	1.72	13.0	2.03	14.0	2.19	14.9	2.35	16.7	2.69	18.5	3.03
	14	9.41	1.45	11.2	1.75	13.0	2.06	14.0	2.23	14.9	2.40	16.7	2.74	18.5	3.09
	16	9.41	1.47	11.2	1.78	13.0	2.10	14.0	2.27	14.9	2.44	16.7	2.79	18.5	3.15
	18	9.41	1.50	11.2	1.81	13.0	2.14	14.0	2.32	14.9	2.49	16.7	2.85	18.5	3.32
	20	9.41	1.52	11.2	1.85	13.0	2.19	14.0	2.36	14.9	2.58	16.7	3.06	18.5	3.57
	21	9.41	1.54	11.2	1.87	13.0	2.22	14.0	2.44	14.9	2.68	16.7	3.17	18.4	3.67
	23	9.41	1.57	11.2	1.94	13.0	2.38	14.0	2.62	14.9	2.87	16.7	3.40	18.1	3.84
	25	9.41	1.65	11.2	2.07	13.0	2.55	14.0	2.80	14.9	3.07	16.7	3.64	17.9	4.01
	27	9.41	1.76	11.2	2.21	13.0	2.72	14.0	2.99	14.9	3.28	16.7	3.89	17.6	4.18
	29	9.41	1.87	11.2	2.36	13.0	2.90	14.0	3.19	14.9	3.50	16.7	4.16	17.3	4.35
	31	9.41	1.99	11.2	2.51	13.0	3.09	14.0	3.41	14.9	3.74	16.7	4.45	17.1	4.51
	33	9.41	2.11	11.2	2.67	13.0	3.29	14.0	3.63	14.9	3.99	16.7	4.65	16.8	4.68
	35	9.41	2.24	11.2	2.84	13.0	3.51	14.0	3.87	14.9	4.25	16.2	4.82	16.6	4.86
	37	9.41	2.38	11.2	3.02	13.0	3.73	14.0	4.12	14.9	4.53	16.0	4.99	16.3	5.03
	39	9.41	2.53	11.2	3.21	13.0	3.97	14.0	4.39	14.9	4.82	15.7	5.16	16.0	5.20
80% 12.80 kW	10	8.37	1.24	10.0	1.49	11.6	1.75	12.4	1.88	13.2	2.02	14.8	2.30	16.4	2.59
	12	8.37	1.26	10.0	1.51	11.6	1.78	12.4	1.91	13.2	2.05	14.8	2.34	16.4	2.64
	14	8.37	1.28	10.0	1.54	11.6	1.81	12.4	1.95	13.2	2.09	14.8	2.39	16.4	2.69
	16	8.37	1.30	10.0	1.56	11.6	1.84	12.4	1.99	13.2	2.13	14.8	2.43	16.4	2.74
	18	8.37	1.33	10.0	1.59	11.6	1.88	12.4	2.02	13.2	2.18	14.8	2.48	16.4	2.80
	20	8.37	1.35	10.0	1.62	11.6	1.91	12.4	2.06	13.2	2.22	14.8	2.57	16.4	2.99
	21	8.37	1.36	10.0	1.64	11.6	1.93	12.4	2.09	13.2	2.26	14.8	2.67	16.4	3.10
	23	8.37	1.39	10.0	1.67	11.6	2.03	12.4	2.22	13.2	2.42	14.8	2.86	16.4	3.32
	25	8.37	1.43	10.0	1.78	11.6	2.16	12.4	2.37	13.2	2.59	14.8	3.06	16.4	3.56
	27	8.37	1.52	10.0	1.89	11.6	2.31	12.4	2.53	13.2	2.77	14.8	3.27	16.4	3.81
	29	8.37	1.62	10.0	2.02	11.6	2.46	12.4	2.70	13.2	2.95	14.8	3.49	16.4	4.07
	31	8.37	1.72	10.0	2.14	11.6	2.62	12.4	2.88	13.2	3.15	14.8	3.72	16.4	4.35
	33	8.37	1.82	10.0	2.28	11.6	2.79	12.4	3.07	13.2	3.35	14.8	3.97	16.4	4.64
	35	8.37	1.93	10.0	2.42	11.6	2.97	12.4	3.26	13.2	3.57	14.8	4.23	16.2	4.82
	37	8.37	2.05	10.0	2.57	11.6	3.16	12.4	3.47	13.2	3.80	14.8	4.51	15.9	4.98
	39	8.37	2.17	10.0	2.73	11.6	3.36	12.4	3.69	13.2	4.05	14.8	4.81	15.7	5.15
70% 11.20 kW	10	7.32	1.09	8.73	1.29	10.1	1.51	10.9	1.62	11.6	1.74	13.0	1.98	14.4	2.22
	12	7.32	1.11	8.73	1.32	10.1	1.54	10.9	1.65	11.6	1.77	13.0	2.01	14.4	2.26
	14	7.32	1.12	8.73	1.34	10.1	1.56	10.9	1.68	11.6	1.80	13.0	2.05	14.4	2.31
	16	7.32	1.14	8.73	1.36	10.1	1.59	10.9	1.71	11.6	1.84	13.0	2.09	14.4	2.35
	18	7.32	1.16	8.73	1.38	10.1	1.62	10.9	1.74	11.6	1.87	13.0	2.13	14.4	2.40
	20	7.32	1.18	8.73	1.41	10.1	1.65	10.9	1.78	11.6	1.91	13.0	2.17	14.4	2.46
	21	7.32	1.19	8.73	1.42	10.1	1.67	10.9	1.80	11.6	1.93	13.0	2.21	14.4	2.55
	23	7.32	1.21	8.73	1.45	10.1	1.70	10.9	1.86	11.6	2.02	13.0	2.36	14.4	2.73
	25	7.32	1.23	8.73	1.51	10.1	1.82	10.9	1.98	11.6	2.16	13.0	2.52	14.4	2.92
	27	7.32	1.30	8.73	1.60	10.1	1.93	10.9	2.11	11.6	2.30	13.0	2.70	14.4	3.13
	29	7.32	1.38	8.73	1.70	10.1	2.06	10.9	2.25	11.6	2.45	13.0	2.88	14.4	3.34
	31	7.32	1.47	8.73	1.81	10.1	2.19	10.9	2.40	11.6	2.61	13.0	3.07	14.4	3.56
	33	7.32	1.55	8.73	1.92	10.1	2.33	10.9	2.55	11.6	2.78	13.0	3.27	14.4	3.80
	35	7.32	1.65	8.73	2.04	10.1	2.47	10.9	2.71	11.6	2.95	13.0	3.48	14.4	4.05
	37	7.32	1.74	8.73	2.16	10.1	2.63	10.9	2.88	11.6	3.14	13.0	3.70	14.4	4.31
	39	7.32	1.84	8.73	2.29	10.1	2.79	10.9	3.06	11.6	3.34	13.0	3.94	14.4	4.59
60% 9.60 kW	10	6.28	0.95	7.49	1.11	8.70	1.29	9.30	1.38	9.90	1.47	11.1	1.67	12.3	1.87
	12	6.28	0.96	7.49	1.13	8.70	1.31	9.30	1.40	9.90	1.50	11.1	1.70	12.3	1.90
	14	6.28	0.98	7.49	1.15	8.70	1.33	9.30	1.43	9.90	1.52	11.1	1.73	12.3	1.94
	16	6.28	0.99	7.49	1.17	8.70	1.35	9.30	1.45	9.90	1.55	11.1	1.76	12.3	1.97
	18	6.28	1.01	7.49	1.19	8.70	1.38	9.30	1.48	9.90	1.58	11.1	1.79	12.3	2.01
	20	6.28	1.02	7.49	1.21	8.70	1.40	9.30	1.51	9.90	1.61	11.1	1.83	12.3	2.05
	21	6.28	1.03	7.49	1.22	8.70	1.42	9.30	1.52	9.90	1.63	11.1	1.84	12.3	2.07
	23	6.28	1.05	7.49	1.24	8.70	1.44	9.30	1.55	9.90	1.66	11.1	1.92	12.3	2.20
	25	6.28	1.06	7.49	1.26	8.70	1.50	9.30	1.63	9.90	1.76	11.1	2.05	12.3	2.35
	27	6.28	1.10	7.49	1.34	8.70	1.59	9.30	1.73	9.90	1.88	11.1	2.18	12.3	2.51
	29	6.28	1.17	7.49	1.42	8.70	1.69	9.30	1.84	9.90	2.00	11.1	2.32	12.3	2.68
	31	6.28	1.24	7.49	1.50	8.70	1.80	9.30	1.96	9.90	2.12	11.1	2.47	12.3	2.85
	33	6.28	1.31	7.49	1.60	8.70	1.91	9.30	2.08	9.90	2.26	11.1	2.63	12.3	3.04
	35	6.28	1.38	7.49	1.69	8.70	2.03	9.30	2.21	9.90	2.40	11.1	2.80	12.3	3.23
	37	6.28	1.46	7.49	1.79	8.70	2.15	9.30	2.34	9.90	2.55	11.1	2.98	12.3	3.44
	39	6.28	1.55	7.49	1.89	8.70	2.28	9.30	2.49	9.90	2.70	11.1	3.16	12.3	3.66
50% 8.00 kW	10	5.23	0.82	6.24	0.94	7.25	1.08	7.75	1.15	8.25	1.22	9.26	1.37	10.3	1.53
	12	5.23	0.83	6.24	0.96	7.25	1.10	7.75	1.17	8.25	1.24	9.26	1.40	10.3	1.56
	14	5.23	0.84	6.24	0.97	7.25	1.11	7.75	1.19	8.25	1.26	9.26	1.42	10.3	1.58
	16	5.23	0.85	6.24	0.99	7.25	1.13	7.75	1.21	8.25	1.28	9.26	1.45	10.3	1.61
	18	5.23	0.86	6.24	1.00	7.25	1.15	7.75	1.23	8.25	1.31	9.26	1.47	10.3	1.64
	20	5.23	0.87	6.24	1.02	7.25	1.17	7.75	1.25	8.25	1.33	9.26	1.50	10.3	1.67
	21	5.23	0.88	6.24	1.02	7.25	1.18	7.75	1.26	8.25	1.34	9.26	1.51	10.3	1.69
	23	5.23	0.89	6.24	1.04	7.25	1.20	7.75	1.28	8.25	1.37	9.26	1.54	10.3	1.73
	25	5.23	0.91	6.24	1.06	7.25	1.22	7.75	1.31	8.25	1.41	9.26	1.62	10.3	1.84
	27	5.23	0.92	6.24	1.10	7.25	1.29	7.75	1.39	8.25	1.50	9.26	1.72	10.3	1.97
	29	5.23	0.97	6.24	1.16	7.25	1.37	7.75	1.48	8.25	1.59	9.26	1.83	10.3	2.09
	31	5.23	1.03	6.24	1.23	7.25	1.45	7.75	1.57	8.25	1.69	9.26	1.95	10.3	2.23
	33	5.23	1.09	6.24	1.30	7.25	1.54	7.75	1.66	8.25	1.79	9.26	2.07	10.3	2.37
	35	5.23	1.15	6.24	1.37	7.25	1.63	7.75	1.76	8.25	1.90	9.26	2.20	10.3	2.52
	37	5.23	1.21	6.24	1.45	7.25	1.72	7.75	1.86	8.25	2.01	9.26	2.33	10.3	2.67
	39	5.23	1.27	6.24	1.53	7.25	1.82	7.75	1.97	8.25	2.13	9.26	2.47	10.3	2.84

4 Capacity tables

4 - 1 Cooling Capacity Tables

RXYSQ6P8V1B		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
Combination [%] (Capacity index)	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													
130% 20.15 kW	10	13.6	2.09	16.2	2.55	18.8	3.04	20.2	3.28	20.4	3.22	20.9	3.08	21.4	2.94
	12	13.6	2.12	16.2	2.60	18.8	3.09	19.9	3.27	20.1	3.20	20.6	3.06	21.1	3.01
	14	13.6	2.16	16.2	2.65	18.8	3.15	19.6	3.25	19.9	3.18	20.4	3.15	20.9	3.18
	16	13.6	2.21	16.2	2.70	18.8	3.21	19.4	3.28	19.6	3.29	20.1	3.32	20.6	3.35
	18	13.6	2.25	16.2	2.76	18.8	3.42	19.1	3.44	19.3	3.46	19.8	3.49	20.3	3.52
	20	13.6	2.29	16.2	2.94	18.6	3.59	18.8	3.61	19.1	3.63	19.6	3.66	20.1	3.70
	21	13.6	2.36	16.2	3.04	18.5	3.68	18.7	3.70	19.0	3.71	19.4	3.75	19.9	3.78
	23	13.6	2.53	16.2	3.26	18.2	3.85	18.4	3.86	18.7	3.88	19.2	3.92	19.7	3.96
	25	13.6	2.70	16.2	3.49	17.9	4.01	18.2	4.03	18.4	4.05	18.9	4.09	19.4	4.13
	27	13.6	2.88	16.2	3.74	17.7	4.18	17.9	4.20	18.2	4.22	18.7	4.27	19.1	4.31
	29	13.6	3.08	16.2	3.99	17.4	4.35	17.7	4.37	17.9	4.40	18.4	4.44	18.9	4.48
	31	13.6	3.28	16.2	4.26	17.2	4.52	17.4	4.54	17.6	4.57	18.1	4.61	18.6	4.66
	33	13.6	3.50	16.2	4.55	16.9	4.69	17.1	4.72	17.4	4.74	17.9	4.79	18.4	4.84
	35	13.6	3.73	16.1	4.81	16.6	4.86	16.9	4.89	17.1	4.91	17.6	4.97	18.1	5.02
37	13.6	3.97	15.9	4.98	16.4	5.04	16.6	5.06	16.9	5.09	17.3	5.14	17.8	5.20	
39	13.6	4.23	15.6	5.15	16.1	5.21	16.3	5.24	16.6	5.27	17.1	5.32	17.6	5.38	
120% 18.60 kW	10	12.6	1.91	15.0	2.33	17.4	2.77	18.6	2.99	19.8	3.22	20.5	3.18	21.0	3.05
	12	12.6	1.94	15.0	2.37	17.4	2.82	18.6	3.05	19.8	3.28	20.3	3.16	20.7	3.03
	14	12.6	1.98	15.0	2.42	17.4	2.87	18.6	3.11	19.6	3.27	20.0	3.14	20.5	3.16
	16	12.6	2.01	15.0	2.46	17.4	2.93	18.6	3.17	19.3	3.27	19.8	3.30	20.2	3.33
	18	12.6	2.05	15.0	2.51	17.4	3.03	18.6	3.36	19.0	3.44	19.5	3.47	19.9	3.50
	20	12.6	2.09	15.0	2.61	17.4	3.26	18.6	3.59	18.8	3.61	19.2	3.64	19.7	3.67
	21	12.6	2.11	15.0	2.71	17.4	3.38	18.4	3.67	18.6	3.69	19.1	3.72	19.6	3.76
	23	12.6	2.26	15.0	2.90	17.4	3.62	18.2	3.84	18.4	3.86	18.8	3.89	19.3	3.93
	25	12.6	2.41	15.0	3.10	17.4	3.88	17.9	4.01	18.1	4.03	18.6	4.06	19.0	4.10
	27	12.6	2.58	15.0	3.32	17.4	4.15	17.6	4.18	17.9	4.20	18.3	4.24	18.8	4.27
	29	12.6	2.75	15.0	3.54	17.1	4.33	17.4	4.35	17.6	4.37	18.0	4.41	18.5	4.45
	31	12.6	2.93	15.0	3.78	16.9	4.50	17.1	4.52	17.3	4.54	17.8	4.58	18.2	4.62
	33	12.6	3.12	15.0	4.03	16.6	4.66	16.8	4.69	17.1	4.71	17.5	4.76	18.0	4.80
	35	12.6	3.32	15.0	4.30	16.4	4.83	16.6	4.86	16.8	4.88	17.3	4.93	17.7	4.98
37	12.6	3.53	15.0	4.58	16.1	5.00	16.3	5.03	16.5	5.06	17.0	5.11	17.5	5.16	
39	12.6	3.76	15.0	4.88	15.8	5.18	16.1	5.20	16.3	5.23	16.7	5.28	17.2	5.34	
110% 17.05 kW	10	11.5	1.73	13.7	2.11	15.9	2.50	17.1	2.71	18.2	2.91	20.2	3.27	20.6	3.16
	12	11.5	1.76	13.7	2.15	15.9	2.55	17.1	2.76	18.2	2.97	19.9	3.25	20.3	3.14
	14	11.5	1.79	13.7	2.19	15.9	2.60	17.1	2.81	18.2	3.02	19.7	3.24	20.1	3.14
	16	11.5	1.83	13.7	2.23	15.9	2.65	17.1	2.86	18.2	3.08	19.4	3.28	19.8	3.30
	18	11.5	1.86	13.7	2.27	15.9	2.70	17.1	2.94	18.2	3.24	19.1	3.45	19.6	3.47
	20	11.5	1.90	13.7	2.32	15.9	2.86	17.1	3.16	18.2	3.48	18.9	3.61	19.3	3.64
	21	11.5	1.92	13.7	2.39	15.9	2.97	17.1	3.28	18.2	3.60	18.8	3.70	19.2	3.73
	23	11.5	2.01	13.7	2.56	15.9	3.18	17.1	3.51	18.1	3.84	18.5	3.87	18.9	3.90
	25	11.5	2.14	13.7	2.74	15.9	3.40	17.1	3.76	17.8	4.00	18.2	4.04	18.6	4.07
	27	11.5	2.29	13.7	2.92	15.9	3.64	17.1	4.03	17.6	4.17	18.0	4.21	18.4	4.24
	29	11.5	2.44	13.7	3.12	15.9	3.89	17.1	4.31	17.3	4.34	17.7	4.38	18.1	4.41
	31	11.5	2.59	13.7	3.33	15.9	4.15	16.8	4.49	17.0	4.51	17.4	4.55	17.9	4.59
	33	11.5	2.76	13.7	3.55	15.9	4.43	16.6	4.66	16.8	4.68	17.2	4.72	17.6	4.76
	35	11.5	2.94	13.7	3.78	15.9	4.73	16.3	4.83	16.5	4.85	16.9	4.89	17.3	4.94
37	11.5	3.12	13.7	4.02	15.8	4.97	16.0	5.00	16.2	5.02	16.7	5.07	17.1	5.11	
39	11.5	3.32	13.7	4.28	15.6	5.14	15.8	5.17	16.0	5.19	16.4	5.24	16.8	5.29	
100% 15.50 kW	10	10.5	1.56	12.5	1.89	14.5	2.24	15.5	2.42	16.5	2.61	18.5	2.98	20.2	3.26
	12	10.5	1.59	12.5	1.93	14.5	2.28	15.5	2.47	16.5	2.66	18.5	3.03	20.0	3.25
	14	10.5	1.62	12.5	1.96	14.5	2.33	15.5	2.52	16.5	2.71	18.5	3.09	19.7	3.23
	16	10.5	1.65	12.5	2.00	14.5	2.37	15.5	2.56	16.5	2.76	18.5	3.15	19.4	3.28
	18	10.5	1.68	12.5	2.04	14.5	2.42	15.5	2.62	16.5	2.81	18.5	3.33	19.2	3.45
	20	10.5	1.71	12.5	2.08	14.5	2.49	15.5	2.75	16.5	3.01	18.5	3.59	18.9	3.62
	21	10.5	1.72	12.5	2.10	14.5	2.58	15.5	2.85	16.5	3.12	18.4	3.67	18.8	3.70
	23	10.5	1.77	12.5	2.24	14.5	2.77	15.5	3.05	16.5	3.35	18.1	3.84	18.5	3.87
	25	10.5	1.89	12.5	2.39	14.5	2.96	15.5	3.26	16.5	3.59	17.9	4.01	18.3	4.04
	27	10.5	2.01	12.5	2.55	14.5	3.16	15.5	3.49	16.5	3.84	17.6	4.18	18.0	4.21
	29	10.5	2.14	12.5	2.72	14.5	3.38	15.5	3.73	16.5	4.10	17.4	4.35	17.7	4.38
	31	10.5	2.28	12.5	2.90	14.5	3.60	15.5	3.98	16.5	4.38	17.1	4.52	17.5	4.55
	33	10.5	2.43	12.5	3.09	14.5	3.84	15.5	4.25	16.5	4.65	16.8	4.69	17.2	4.72
	35	10.5	2.58	12.5	3.29	14.5	4.09	15.5	4.53	16.2	4.82	16.6	4.86	16.9	4.90
37	10.5	2.74	12.5	3.50	14.5	4.36	15.5	4.83	15.9	4.99	16.3	5.03	16.7	5.07	
39	10.5	2.91	12.5	3.73	14.5	4.65	15.5	5.13	15.7	5.16	16.0	5.20	16.4	5.25	

NOTES

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

4TW33622-1

4 Capacity tables

4 - 2 Heating Capacity Tables

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

NOTES

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

4TW33622-2

4 Capacity tables

4 - 2 Heating Capacity Tables

Combination [%] (Capacity index)		Outdoor air temp.		Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)											
				Indoor air temp. [°CDB]											
				16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
90% 11.25 kW	-19.8	-20	10.0	3.97	10.0	4.06	10.0	4.15	10.0	4.20	10.0	4.24	9.80	4.23	
	-18.8	-19	10.3	4.02	10.3	4.11	10.3	4.20	10.3	4.24	10.3	4.29	9.80	4.06	
	-16.7	-17	10.9	4.11	10.9	4.20	10.9	4.28	10.9	4.32	10.5	4.13	9.80	3.77	
	-14.7	-15	11.6	4.20	11.5	4.28	11.3	4.19	10.9	4.02	10.5	3.85	9.80	3.51	
	-12.6	-13	12.2	4.27	12.0	4.24	11.3	3.92	10.9	3.76	10.5	3.60	9.80	3.29	
	-10.5	-11	12.7	4.29	12.0	3.98	11.3	3.67	10.9	3.53	10.5	3.38	9.80	3.10	
	-9.5	-10	12.7	4.16	12.0	3.86	11.3	3.56	10.9	3.42	10.5	3.28	9.80	3.01	
	-8.5	-9.1	12.7	4.05	12.0	3.76	11.3	3.47	10.9	3.33	10.5	3.20	9.80	2.93	
	-7.0	-7.6	12.7	3.87	12.0	3.60	11.3	3.33	10.9	3.19	10.5	3.06	9.80	2.81	
	-5.0	-5.6	12.7	3.66	12.0	3.40	11.3	3.15	10.9	3.03	10.5	2.91	9.80	2.67	
	-3.0	-3.7	12.7	3.49	12.0	3.24	11.3	3.00	10.9	2.88	10.5	2.77	9.80	2.55	
	0.0	-0.7	12.7	3.24	12.0	3.01	11.3	2.79	10.9	2.69	10.5	2.58	9.80	2.37	
	3.0	2.2	12.7	3.03	12.0	2.82	11.3	2.62	10.9	2.52	10.5	2.42	9.80	2.23	
	5.0	4.1	12.7	2.90	12.0	2.71	11.3	2.51	10.9	2.42	10.5	2.33	9.80	2.15	
	7.0	6	12.7	2.79	12.0	2.60	11.3	2.42	10.9	2.33	10.5	2.24	9.80	2.07	
	9.0	7.9	12.7	2.69	12.0	2.51	11.3	2.33	10.9	2.25	10.5	2.16	9.80	2.00	
	11.0	9.8	12.7	2.59	12.0	2.42	11.3	2.25	10.9	2.17	10.5	2.09	9.80	1.93	
13.0	11.8	12.7	2.50	12.0	2.33	11.3	2.17	10.9	2.09	10.5	2.02	9.80	1.86		
15.0	13.7	12.7	2.41	12.0	2.26	11.3	2.10	10.9	2.03	10.5	1.95	9.80	1.81		
80% 10.00 kW	-19.8	-20	10.0	4.15	10.0	4.23	10.0	4.31	9.68	4.16	9.36	3.98	8.71	3.64	
	-18.8	-19	10.3	4.19	10.3	4.27	10.0	4.17	9.68	4.00	9.36	3.83	8.71	3.50	
	-16.7	-17	10.9	4.28	10.6	4.19	10.0	3.87	9.68	3.71	9.36	3.55	8.71	3.25	
	-14.7	-15	11.3	4.21	10.6	3.90	10.0	3.60	9.68	3.46	9.36	3.32	8.71	3.04	
	-12.6	-13	11.3	3.93	10.6	3.65	10.0	3.37	9.68	3.24	9.36	3.11	8.71	2.85	
	-10.5	-11	11.3	3.69	10.6	3.43	10.0	3.17	9.68	3.05	9.36	2.92	8.71	2.68	
	-9.5	-10	11.3	3.58	10.6	3.33	10.0	3.08	9.68	2.96	9.36	2.84	8.71	2.61	
	-8.5	-9.1	11.3	3.49	10.6	3.24	10.0	3.00	9.68	2.88	9.36	2.77	8.71	2.55	
	-7.0	-7.6	11.3	3.34	10.6	3.11	10.0	2.88	9.68	2.77	9.36	2.66	8.71	2.45	
	-5.0	-5.6	11.3	3.16	10.6	2.94	10.0	2.73	9.68	2.63	9.36	2.53	8.71	2.32	
	-3.0	-3.7	11.3	3.01	10.6	2.81	10.0	2.61	9.68	2.51	9.36	2.41	8.71	2.22	
	0.0	-0.7	11.3	2.80	10.6	2.61	10.0	2.43	9.68	2.34	9.36	2.25	8.71	2.08	
	3.0	2.2	11.3	2.63	10.6	2.45	10.0	2.28	9.68	2.20	9.36	2.12	8.71	1.95	
	5.0	4.1	11.3	2.52	10.6	2.36	10.0	2.19	9.68	2.11	9.36	2.04	8.71	1.88	
	7.0	6	11.3	2.43	10.6	2.27	10.0	2.11	9.68	2.04	9.36	1.96	8.71	1.81	
	9.0	7.9	11.3	2.34	10.6	2.19	10.0	2.04	9.68	1.97	9.36	1.89	8.71	1.75	
	11.0	9.8	11.3	2.26	10.6	2.11	10.0	1.97	9.68	1.90	9.36	1.83	8.71	1.70	
13.0	11.8	11.3	2.18	10.6	2.04	10.0	1.90	9.68	1.84	9.36	1.77	8.71	1.64		
15.0	13.7	11.3	2.11	10.6	1.98	10.0	1.84	9.68	1.78	9.36	1.72	8.71	1.59		
70% 8.75 kW	-19.8	-20	9.87	4.27	9.31	3.96	8.75	3.66	8.47	3.51	8.19	3.36	7.63	3.08	
	-18.8	-19	9.87	4.10	9.31	3.80	8.75	3.52	8.47	3.38	8.19	3.24	7.63	2.97	
	-16.7	-17	9.87	3.80	9.31	3.53	8.75	3.27	8.47	3.14	8.19	3.01	7.63	2.76	
	-14.7	-15	9.87	3.55	9.31	3.30	8.75	3.05	8.47	2.93	8.19	2.82	7.63	2.59	
	-12.6	-13	9.87	3.32	9.31	3.09	8.75	2.86	8.47	2.75	8.19	2.64	7.63	2.43	
	-10.5	-11	9.87	3.12	9.31	2.91	8.75	2.70	8.47	2.59	8.19	2.49	7.63	2.30	
	-9.5	-10	9.87	3.03	9.31	2.82	8.75	2.62	8.47	2.52	8.19	2.42	7.63	2.23	
	-8.5	-9.1	9.87	2.96	9.31	2.75	8.75	2.56	8.47	2.46	8.19	2.37	7.63	2.18	
	-7.0	-7.6	9.87	2.84	9.31	2.64	8.75	2.46	8.47	2.37	8.19	2.27	7.63	2.10	
	-5.0	-5.6	9.87	2.69	9.31	2.51	8.75	2.34	8.47	2.25	8.19	2.16	7.63	2.00	
	-3.0	-3.7	9.87	2.57	9.31	2.40	8.75	2.23	8.47	2.15	8.19	2.07	7.63	1.91	
	0.0	-0.7	9.87	2.39	9.31	2.24	8.75	2.08	8.47	2.01	8.19	1.94	7.63	1.79	
	3.0	2.2	9.87	2.25	9.31	2.10	8.75	1.96	8.47	1.89	8.19	1.82	7.63	1.69	
	5.0	4.1	9.87	2.16	9.31	2.02	8.75	1.89	8.47	1.82	8.19	1.76	7.63	1.63	
	7.0	6	9.87	2.08	9.31	1.95	8.75	1.82	8.47	1.76	8.19	1.70	7.63	1.57	
	9.0	7.9	9.87	2.01	9.31	1.88	8.75	1.76	8.47	1.70	8.19	1.64	7.63	1.52	
	11.0	9.8	9.87	1.94	9.31	1.82	8.75	1.70	8.47	1.65	8.19	1.59	7.63	1.47	
13.0	11.8	9.87	1.88	9.31	1.76	8.75	1.65	8.47	1.59	8.19	1.54	7.63	1.43		
15.0	13.7	9.87	1.82	9.31	1.71	8.75	1.60	8.47	1.54	8.19	1.49	7.63	1.39		
60% 7.50 kW	-19.8	-20	8.46	3.51	7.98	3.26	7.50	3.02	7.26	2.90	7.02	2.78	6.54	2.56	
	-18.8	-19	8.46	3.37	7.98	3.14	7.50	2.91	7.26	2.79	7.02	2.68	6.54	2.47	
	-16.7	-17	8.46	3.14	7.98	2.92	7.50	2.71	7.26	2.61	7.02	2.50	6.54	2.30	
	-14.7	-15	8.46	2.93	7.98	2.73	7.50	2.54	7.26	2.44	7.02	2.35	6.54	2.16	
	-12.6	-13	8.46	2.75	7.98	2.57	7.50	2.39	7.26	2.30	7.02	2.21	6.54	2.04	
	-10.5	-11	8.46	2.59	7.98	2.42	7.50	2.25	7.26	2.17	7.02	2.09	6.54	1.93	
	-9.5	-10	8.46	2.52	7.98	2.35	7.50	2.19	7.26	2.11	7.02	2.03	6.54	1.88	
	-8.5	-9.1	8.46	2.46	7.98	2.30	7.50	2.14	7.26	2.06	7.02	1.99	6.54	1.84	
	-7.0	-7.6	8.46	2.36	7.98	2.21	7.50	2.06	7.26	1.98	7.02	1.91	6.54	1.77	
	-5.0	-5.6	8.46	2.25	7.98	2.10	7.50	1.96	7.26	1.89	7.02	1.82	6.54	1.69	
	-3.0	-3.7	8.46	2.15	7.98	2.01	7.50	1.88	7.26	1.81	7.02	1.75	6.54	1.62	
	0.0	-0.7	8.46	2.01	7.98	1.88	7.50	1.76	7.26	1.70	7.02	1.64	6.54	1.52	
	3.0	2.2	8.46	1.89	7.98	1.77	7.50	1.66	7.26	1.60	7.02	1.55	6.54	1.44	
	5.0	4.1	8.46	1.82	7.98	1.71	7.50	1.60	7.26	1.55	7.02	1.49	6.54	1.39	
	7.0	6	8.46	1.76	7.98	1.65	7.50	1.55	7.26	1.49	7.02	1.44	6.54	1.34	
	9.0	7.9	8.46	1.70	7.98	1.60	7.50	1.50	7.26	1.45	7.02	1.40	6.54	1.30	
	11.0	9.8	8.46	1.64	7.98	1.55	7.50	1.45	7.26	1.40	7.02	1.35	6.54	1.26	
13.0	11.8	8.46	1.59	7.98	1.50	7.50	1.40	7.26	1.36	7.02	1.31	6.54	1.22		
15.0	13.7	8.46	1.54	7.98	1.45	7.50	1.36	7.26	1.32	7.02	1.28	6.54	1.19		
50% 6.25 kW	-19.8	-20	7.05	2.80	6.65	2.61	6.25	2.43	6.05	2.34	5.85	2.25	5.45	2.07	
	-18.8	-19	7.05	2.70	6.65	2.52	6.25	2.34	6.05	2.26	5.85	2.17	5.45	2.00	
	-16.7	-17	7.05	2.52	6.65	2.35	6.25	2.19	6.05	2.11	5.85	2.03	5.45	1.88	
	-14.7	-15	7.05	2.36	6.65	2.21	6.25	2.06	6.05	1.98	5.85	1.91	5.45	1.77	
	-12.6	-13	7.05	2.22	6.65	2.08	6.25	1.94	6.05						

4 Capacity tables

4 - 2 Heating Capacity Tables

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

NOTES

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

4TW33622-2

4 Capacity tables

4 - 2 Heating Capacity Tables

Combination [%] (Capacity index)		Outdoor air temp.		Indoor air temp. [°CDB]												
				16.0		18.0		20.0		21.0		22.0		24.0		
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		°CDB	°CWB	kW		kW		kW		kW		kW		kW		
90% 14.40 kW	-19.8	-20.0	10.9	4.11	10.8	4.23	10.8	4.36	10.8	4.43	10.8	4.49	10.8	4.55	10.8	4.62
	-18.8	-19.0	11.2	4.18	11.2	4.30	11.2	4.43	11.1	4.49	11.1	4.55	11.1	4.61	11.1	4.68
	-16.7	-17.0	11.9	4.31	11.8	4.42	11.8	4.54	11.8	4.60	11.8	4.66	11.8	4.72	11.8	4.78
	-14.7	-15.0	12.5	4.42	12.5	4.53	12.5	4.64	12.5	4.70	12.4	4.76	12.4	4.82	12.4	4.87
	-12.6	-13.0	13.2	4.53	13.2	4.63	13.1	4.74	13.1	4.79	13.1	4.84	12.5	4.84	12.5	4.64
	-10.5	-11.0	13.8	4.62	13.8	4.72	13.8	4.82	13.8	4.87	13.5	4.76	12.5	4.76	12.5	4.36
	-9.5	-10.0	14.2	4.67	14.1	4.76	14.1	4.86	13.9	4.82	13.5	4.62	12.5	4.62	12.5	4.23
	-8.5	-9.1	14.5	4.70	14.4	4.80	14.4	4.89	13.9	4.70	13.5	4.50	12.5	4.50	12.5	4.13
	-7.0	-7.6	15.0	4.76	14.9	4.86	14.4	4.69	13.9	4.50	13.5	4.32	12.5	4.32	12.5	3.96
	-5.0	-5.6	15.6	4.84	15.3	4.80	14.4	4.44	13.9	4.27	13.5	4.09	12.5	4.09	12.5	3.76
	-3.0	-3.7	16.2	4.90	15.3	4.56	14.4	4.23	13.9	4.06	13.5	3.90	12.5	3.90	12.5	3.59
	0.0	-0.7	16.3	4.56	15.3	4.24	14.4	3.93	13.9	3.78	13.5	3.64	12.5	3.64	12.5	3.34
	3.0	2.2	16.3	4.26	15.3	3.97	14.4	3.69	13.9	3.55	13.5	3.41	12.5	3.41	12.5	3.14
	5.0	4.1	16.3	4.09	15.3	3.81	14.4	3.54	13.9	3.41	13.5	3.28	12.5	3.28	12.5	3.02
	7.0	6.0	16.3	3.93	15.3	3.67	14.4	3.41	13.9	3.28	13.5	3.16	12.5	3.16	12.5	2.91
	9.0	7.9	16.3	3.79	15.3	3.53	14.4	3.29	13.9	3.16	13.5	3.05	12.5	3.05	12.5	2.81
11.0	9.8	16.3	3.65	15.3	3.41	14.4	3.17	13.9	3.06	13.5	2.94	12.5	2.94	12.5	2.72	
13.0	11.8	16.3	3.52	15.3	3.29	14.4	3.06	13.9	2.95	13.5	2.84	12.5	2.84	12.5	2.62	
15.0	13.7	16.3	3.40	15.3	3.18	14.4	2.96	13.9	2.86	13.5	2.75	12.5	2.75	12.5	2.54	
80% 12.80 kW	-19.8	-20.0	10.8	4.36	10.8	4.47	10.8	4.59	10.8	4.64	10.8	4.70	10.7	4.70	10.7	4.81
	-18.8	-19.0	11.2	4.42	11.1	4.53	11.1	4.64	11.1	4.70	11.1	4.75	11.1	4.81	11.1	4.86
	-16.7	-17.0	11.8	4.54	11.8	4.64	11.8	4.74	11.8	4.80	11.7	4.85	11.2	4.58	11.2	4.58
	-14.7	-15.0	12.5	4.64	12.4	4.74	12.4	4.84	12.4	4.87	12.0	4.67	11.2	4.67	11.2	4.28
	-12.6	-13.0	13.1	4.73	13.1	4.83	12.8	4.75	12.4	4.56	12.0	4.38	11.2	4.38	11.2	4.01
	-10.5	-11.0	13.8	4.82	13.6	4.83	12.8	4.47	12.4	4.29	12.0	4.12	11.2	4.12	11.2	3.78
	-9.5	-10.0	14.1	4.86	13.6	4.68	12.8	4.34	12.4	4.17	12.0	4.00	11.2	4.00	11.2	3.68
	-8.5	-9.1	14.4	4.89	13.6	4.56	12.8	4.23	12.4	4.06	12.0	3.90	11.2	3.90	11.2	3.59
	-7.0	-7.6	14.4	4.70	13.6	4.38	12.8	4.06	12.4	3.90	12.0	3.75	11.2	3.75	11.2	3.44
	-5.0	-5.6	14.4	4.46	13.6	4.15	12.8	3.85	12.4	3.70	12.0	3.56	11.2	3.56	11.2	3.27
	-3.0	-3.7	14.4	4.24	13.6	3.95	12.8	3.67	12.4	3.53	12.0	3.40	11.2	3.40	11.2	3.13
	0.0	-0.7	14.4	3.95	13.6	3.68	12.8	3.42	12.4	3.30	12.0	3.17	11.2	3.17	11.2	2.92
	3.0	2.2	14.4	3.70	13.6	3.45	12.8	3.21	12.4	3.10	12.0	2.98	11.2	2.98	11.2	2.75
	5.0	4.1	14.4	3.56	13.6	3.32	12.8	3.09	12.4	2.98	12.0	2.87	11.2	2.87	11.2	2.65
	7.0	6.0	14.4	3.42	13.6	3.20	12.8	2.98	12.4	2.87	12.0	2.76	11.2	2.76	11.2	2.56
	9.0	7.9	14.4	3.30	13.6	3.08	12.8	2.87	12.4	2.77	12.0	2.67	11.2	2.67	11.2	2.47
11.0	9.8	14.4	3.18	13.6	2.98	12.8	2.78	12.4	2.68	12.0	2.58	11.2	2.58	11.2	2.39	
13.0	11.8	14.4	3.07	13.6	2.87	12.8	2.68	12.4	2.59	12.0	2.49	11.2	2.49	11.2	2.31	
15.0	13.7	14.4	2.97	13.6	2.78	12.8	2.60	12.4	2.51	12.0	2.42	11.2	2.42	11.2	2.24	
70% 11.20 kW	-19.8	-20.0	10.8	4.61	10.8	4.71	10.7	4.81	10.7	4.86	10.5	4.74	9.76	9.76	9.76	4.34
	-18.8	-19.0	11.1	4.66	11.1	4.76	11.1	4.86	10.8	4.76	10.5	4.56	9.76	9.76	9.76	4.18
	-16.7	-17.0	11.8	4.76	11.7	4.86	11.2	4.60	10.8	4.42	10.5	4.24	9.76	9.76	9.76	3.89
	-14.7	-15.0	12.4	4.86	11.9	4.64	11.2	4.30	10.8	4.13	10.5	3.97	9.76	9.76	9.76	3.64
	-12.6	-13.0	12.6	4.68	11.9	4.35	11.2	4.03	10.8	3.88	10.5	3.73	9.76	9.76	9.76	3.43
	-10.5	-11.0	12.6	4.40	11.9	4.10	11.2	3.80	10.8	3.66	10.5	3.51	9.76	9.76	9.76	3.23
	-9.5	-10.0	12.6	4.27	11.9	3.98	11.2	3.69	10.8	3.55	10.5	3.42	9.76	9.76	9.76	3.15
	-8.5	-9.1	12.6	4.16	11.9	3.88	11.2	3.60	10.8	3.47	10.5	3.33	9.76	9.76	9.76	3.07
	-7.0	-7.6	12.6	3.99	11.9	3.72	11.2	3.46	10.8	3.33	10.5	3.20	9.76	9.76	9.76	2.96
	-5.0	-5.6	12.6	3.79	11.9	3.54	11.2	3.29	10.8	3.17	10.5	3.05	9.76	9.76	9.76	2.81
	-3.0	-3.7	12.6	3.62	11.9	3.38	11.2	3.14	10.8	3.03	10.5	2.91	9.76	9.76	9.76	2.69
	0.0	-0.7	12.6	3.37	11.9	3.15	11.2	2.94	10.8	2.83	10.5	2.73	9.76	9.76	9.76	2.52
	3.0	2.2	12.6	3.17	11.9	2.96	11.2	2.76	10.8	2.67	10.5	2.57	9.76	9.76	9.76	2.38
	5.0	4.1	12.6	3.05	11.9	2.85	11.2	2.66	10.8	2.57	10.5	2.48	9.76	9.76	9.76	2.29
	7.0	6.0	12.6	2.94	11.9	2.75	11.2	2.57	10.8	2.48	10.5	2.39	9.76	9.76	9.76	2.22
	9.0	7.9	12.6	2.83	11.9	2.66	11.2	2.48	10.8	2.40	10.5	2.31	9.76	9.76	9.76	2.14
11.0	9.8	12.6	2.74	11.9	2.57	11.2	2.40	10.8	2.32	10.5	2.24	9.76	9.76	9.76	2.08	
13.0	11.8	12.6	2.65	11.9	2.48	11.2	2.32	10.8	2.24	10.5	2.16	9.76	9.76	9.76	2.01	
15.0	13.7	12.6	2.56	11.9	2.41	11.2	2.25	10.8	2.18	10.5	2.10	9.76	9.76	9.76	1.95	
60% 9.60 kW	-19.8	-20.0	10.7	4.86	10.2	4.59	9.60	4.25	9.29	4.09	8.98	3.92	8.37	8.37	8.37	3.60
	-18.8	-19.0	10.8	4.75	10.2	4.42	9.60	4.10	9.29	3.94	8.98	3.78	8.37	8.37	8.37	3.48
	-16.7	-17.0	10.8	4.42	10.2	4.11	9.60	3.82	9.29	3.67	8.98	3.53	8.37	8.37	8.37	3.25
	-14.7	-15.0	10.8	4.13	10.2	3.85	9.60	3.57	9.29	3.44	8.98	3.31	8.37	8.37	8.37	3.05
	-12.6	-13.0	10.8	3.88	10.2	3.61	9.60	3.36	9.29	3.24	8.98	3.11	8.37	8.37	8.37	2.87
	-10.5	-11.0	10.8	3.65	10.2	3.41	9.60	3.17	9.29	3.06	8.98	2.94	8.37	8.37	8.37	2.72
	-9.5	-10.0	10.8	3.55	10.2	3.32	9.60	3.09	9.29	2.97	8.98	2.86	8.37	8.37	8.37	2.65
	-8.5	-9.1	10.8	3.46	10.2	3.24	9.60	3.01	9.29	2.90	8.98	2.80	8.37	8.37	8.37	2.59
	-7.0	-7.6	10.8	3.33	10.2	3.11	9.60	2.90	9.29	2.80	8.98	2.69	8.37	8.37	8.37	2.49
	-5.0	-5.6	10.8	3.17	10.2	2.96	9.60	2.76	9.29	2.66	8.98	2.57	8.37	8.37	8.37	2.38
	-3.0	-3.7	10.8	3.03	10.2	2.83	9.60	2.64	9.29	2.55	8.98	2.46	8.37	8.37	8.37	2.28
	0.0	-0.7	10.8	2.83	10.2	2.65	9.60	2.48	9.29	2.39	8.98	2.31	8.37	8.37	8.37	2.14
	3.0	2.2	10.8	2.66	10.2	2.50	9.60	2.34	9.29	2.26	8.98	2.18	8.37	8.37	8.37	2.02
	5.0	4.1	10.8	2.57	10.2	2.41	9.60	2.25	9.29	2.18	8.98	2.10	8.37	8.37	8.37	1.9

4 Capacity tables

4 - 2 Heating Capacity Tables

RXYSQ6P8V1B			Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
			Outdoor air temp.		Indoor air temp. [°CDB]											
					16.0		18.0		20.0		21.0		22.0		24.0	
Combination [%] (Capacity index)	°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	kW	
130% 23.40 kW	-19.8	-20.0	11.3	2.81	11.3	3.03	11.2	3.25	11.2	3.36	11.2	3.47	11.1	3.69		
	-18.8	-19.0	11.6	2.93	11.6	3.14	11.6	3.35	11.5	3.46	11.5	3.56	11.5	3.78		
	-16.7	-17.0	12.3	3.14	12.3	3.34	12.2	3.55	12.2	3.65	12.2	3.75	12.1	3.95		
	-14.7	-15.0	13.0	3.34	12.9	3.53	12.9	3.72	12.9	3.81	12.8	3.91	12.8	4.10		
	-12.6	-13.0	13.6	3.51	13.6	3.69	13.6	3.88	13.5	3.97	13.5	4.06	13.5	4.24		
	-10.5	-11.0	14.3	3.67	14.3	3.84	14.2	4.02	14.2	4.10	14.2	4.19	14.1	4.36		
	-9.5	-10.0	14.6	3.75	14.6	3.91	14.6	4.08	14.5	4.17	14.5	4.25	14.5	4.42		
	-8.5	-9.1	14.9	3.81	14.9	3.97	14.9	4.14	14.8	4.22	14.8	4.30	14.8	4.47		
	-7.0	-7.6	15.4	3.91	15.4	4.07	15.4	4.23	15.3	4.31	15.3	4.39	15.3	4.55		
	-5.0	-5.6	16.1	4.03	16.1	4.19	16.0	4.34	16.0	4.41	16.0	4.49	15.9	4.64		
	-3.0	-3.7	16.7	4.14	16.7	4.29	16.7	4.44	16.6	4.51	16.6	4.58	16.6	4.73		
	0.0	-0.7	17.7	4.30	17.7	4.44	17.7	4.57	17.6	4.64	17.6	4.71	17.6	4.85		
	3.0	2.2	18.7	4.43	18.7	4.56	18.6	4.70	18.6	4.76	18.6	4.83	18.5	4.96		
	5.0	4.1	19.3	4.52	19.3	4.64	19.3	4.77	19.2	4.83	19.2	4.89	19.2	5.02		
	7.0	6.0	20.0	4.59	19.9	4.71	19.9	4.84	19.9	4.90	19.9	4.96	19.8	5.08		
	9.0	7.9	20.6	4.66	20.6	4.78	20.5	4.90	20.5	4.96	20.5	5.02	20.4	5.11		
	11.0	9.8	21.2	4.73	21.2	4.85	21.2	4.96	21.1	5.02	21.1	5.08	20.4	4.93		
13.0	11.8	21.9	4.80	21.9	4.91	21.8	5.02	21.8	5.08	21.8	5.13	20.4	4.74			
15.0	13.7	22.6	4.86	22.5	4.97	22.5	5.07	22.4	5.13	21.9	4.99	20.4	4.58			
120% 21.60 kW	-19.8	-20.0	11.2	3.10	11.2	3.31	11.2	3.51	11.1	3.61	11.1	3.71	11.1	3.91		
	-18.8	-19.0	11.6	3.21	11.5	3.41	11.5	3.61	11.5	3.70	11.5	3.80	11.4	4.00		
	-16.7	-17.0	12.2	3.42	12.2	3.60	12.2	3.79	12.2	3.88	12.1	3.97	12.1	4.16		
	-14.7	-15.0	12.9	3.60	12.9	3.77	12.8	3.95	12.8	4.03	12.8	4.12	12.8	4.30		
	-12.6	-13.0	13.6	3.76	13.5	3.92	13.5	4.09	13.5	4.17	13.5	4.26	13.4	4.42		
	-10.5	-11.0	14.2	3.90	14.2	4.06	14.2	4.22	14.2	4.30	14.1	4.38	14.1	4.54		
	-9.5	-10.0	14.6	3.97	14.5	4.13	14.5	4.28	14.5	4.36	14.5	4.44	14.4	4.59		
	-8.5	-9.1	14.9	4.03	14.8	4.18	14.8	4.34	14.8	4.41	14.8	4.49	14.7	4.64		
	-7.0	-7.6	15.4	4.13	15.3	4.27	15.3	4.42	15.3	4.49	15.3	4.56	15.2	4.71		
	-5.0	-5.6	16.1	4.24	16.0	4.38	16.0	4.52	16.0	4.59	15.9	4.66	15.9	4.80		
	-3.0	-3.7	16.7	4.34	16.6	4.48	16.6	4.61	16.6	4.68	16.6	4.75	16.5	4.88		
	0.0	-0.7	17.7	4.49	17.7	4.61	17.6	4.74	17.6	4.80	17.6	4.87	17.5	4.99		
	3.0	2.2	18.7	4.61	18.6	4.73	18.6	4.85	18.6	4.91	18.5	4.97	18.5	5.09		
	5.0	4.1	19.3	4.69	19.3	4.80	19.2	4.92	19.2	4.98	19.2	5.03	18.8	5.02		
	7.0	6.0	19.9	4.76	19.9	4.87	19.8	4.98	19.8	5.04	19.8	5.09	18.8	4.82		
	9.0	7.9	20.6	4.82	20.5	4.93	20.5	5.04	20.5	5.10	20.2	5.06	18.8	4.64		
	11.0	9.8	21.2	4.89	21.2	4.99	21.1	5.10	20.9	5.08	20.2	4.87	18.8	4.47		
13.0	11.8	21.9	4.95	21.8	5.05	21.6	5.08	20.9	4.89	20.2	4.69	18.8	4.31			
15.0	13.7	22.5	5.00	22.5	5.10	21.6	4.91	20.9	4.72	20.2	4.53	18.8	4.17			
110% 19.80 kW	-19.8	-20.0	11.2	3.40	11.2	3.59	11.1	3.77	11.1	3.86	11.1	3.96	11.0	4.14		
	-18.8	-19.0	11.5	3.50	11.5	3.68	11.5	3.86	11.4	3.95	11.4	4.04	11.4	4.22		
	-16.7	-17.0	12.2	3.69	12.2	3.86	12.1	4.03	12.1	4.11	12.1	4.20	12.1	4.37		
	-14.7	-15.0	12.9	3.85	12.8	4.01	12.8	4.17	12.8	4.25	12.8	4.34	12.7	4.50		
	-12.6	-13.0	13.5	4.00	13.5	4.15	13.5	4.31	13.4	4.38	13.4	4.46	13.4	4.61		
	-10.5	-11.0	14.2	4.14	14.2	4.28	14.1	4.43	14.1	4.50	14.1	4.57	14.1	4.72		
	-9.5	-10.0	14.5	4.20	14.5	4.34	14.5	4.48	14.4	4.55	14.4	4.63	14.4	4.77		
	-8.5	-9.1	14.8	4.25	14.8	4.39	14.8	4.53	14.7	4.60	14.7	4.67	14.7	4.81		
	-7.0	-7.6	15.3	4.34	15.3	4.47	15.3	4.61	15.2	4.68	15.2	4.74	15.2	4.88		
	-5.0	-5.6	16.0	4.45	16.0	4.57	15.9	4.70	15.9	4.77	15.9	4.83	15.9	4.96		
	-3.0	-3.7	16.6	4.54	16.6	4.66	16.6	4.79	16.5	4.85	16.5	4.91	16.5	5.03		
	0.0	-0.7	17.6	4.67	17.6	4.79	17.6	4.90	17.5	4.96	17.5	5.02	17.3	5.03		
	3.0	2.2	18.6	4.79	18.6	4.90	18.5	5.01	18.5	5.06	18.5	5.12	17.3	4.71		
	5.0	4.1	19.2	4.86	19.2	4.96	19.2	5.07	19.1	5.12	18.5	4.92	17.3	4.52		
	7.0	6.0	19.9	4.92	19.8	5.02	19.8	5.13	19.2	4.93	18.5	4.73	17.3	4.35		
	9.0	7.9	20.5	4.98	20.5	5.08	19.8	4.93	19.2	4.74	18.5	4.55	17.3	4.19		
	11.0	9.8	21.1	5.04	21.1	5.13	19.8	4.75	19.2	4.57	18.5	4.39	17.3	4.04		
13.0	11.8	21.8	5.10	21.1	4.93	19.8	4.58	19.2	4.40	18.5	4.23	17.3	3.89			
15.0	13.7	22.3	5.12	21.1	4.76	19.8	4.42	19.2	4.26	18.5	4.09	17.3	3.77			
100% 18.00 kW	-19.8	-20.0	11.1	3.70	11.1	3.87	11.1	4.03	11.1	4.12	11.0	4.20	11.0	4.37		
	-18.8	-19.0	11.5	3.79	11.4	3.95	11.4	4.12	11.4	4.20	11.4	4.28	11.3	4.44		
	-16.7	-17.0	12.1	3.96	12.1	4.11	12.1	4.27	12.1	4.34	12.0	4.42	12.0	4.58		
	-14.7	-15.0	12.8	4.11	12.8	4.26	12.7	4.40	12.7	4.47	12.7	4.55	12.7	4.69		
	-12.6	-13.0	13.5	4.25	13.4	4.38	13.4	4.52	13.4	4.59	13.4	4.66	13.3	4.80		
	-10.5	-11.0	14.1	4.37	14.1	4.50	14.1	4.63	14.1	4.70	14.0	4.76	14.0	4.90		
	-9.5	-10.0	14.5	4.43	14.4	4.56	14.4	4.68	14.4	4.75	14.4	4.81	14.3	4.94		
	-8.5	-9.1	14.8	4.48	14.7	4.60	14.7	4.73	14.7	4.79	14.7	4.85	14.6	4.98		
	-7.0	-7.6	15.3	4.55	15.2	4.68	15.2	4.80	15.2	4.86	15.2	4.92	15.1	5.04		
	-5.0	-5.6	15.9	4.65	15.9	4.77	15.9	4.88	15.9	4.94	15.8	5.00	15.7	5.05		
	-3.0	-3.7	16.6	4.74	16.5	4.85	16.5	4.96	16.5	5.02	16.5	5.07	15.7	4.81		
	0.0	-0.7	17.6	4.86	17.5	4.96	17.5	5.07	17.4	5.09	16.8	4.88	15.7	4.48		
	3.0	2.2	18.5	4.96	18.5	5.06	18.0	4.95	17.4	4.76	16.8	4.57	15.7	4.20		
	5.0	4.1	19.2	5.03	19.1	5.12	18.0	4.75	17.4	4.57	16.8	4.39	15.7	4.04		
	7.0	6.0	19.8	5.09	19.2	4.93	18.0	4.57	17.4	4.40	16.8	4.22	15.7	3.89		
	9.0	7.9	20.3	5.09	19.2	4.74	18.0	4.40	17.4	4.23	16.8	4.07	15.7	3.75		
	11.0	9.8	20.3	4.90	19.2	4.57	18.0	4.24	17.4	4.08	16.8	3.93	15.7	3.62		
13.0	11.8	20.3	4.72	19.2	4.40	18.0	4.09	17.4	3.94	16.8	3.79	15.7	3.49			
15.0	13.7	20.3	4.56	19.2	4.25	18.0	3.96	17.4	3.81	16.8	3.66	15.7	3.38			

NOTES

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

4TW33622-2

4 Capacity tables

4 - 2 Heating Capacity Tables

Combination [%] (Capacity index)		Outdoor air temp.		Total capacity [kW], power input [kW] (Compressor + Outdoor fan motor)												
				Indoor air temp. [°CDB]												
				16.0		18.0		20.0		21.0		22.0		24.0		
		°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90% 16.20 kW	-19.8	-20.0	11.1	3.99	11.0	4.15	11.0	4.30	11.0	4.37	11.0	4.45	11.0	4.52	11.0	4.60
	-18.8	-19.0	11.4	4.08	11.4	4.22	11.4	4.37	11.3	4.45	11.3	4.52	11.3	4.59	11.3	4.67
	-16.7	-17.0	12.1	4.23	12.1	4.37	12.0	4.51	12.0	4.58	12.0	4.65	12.0	4.72	12.0	4.79
	-14.7	-15.0	12.7	4.37	12.7	4.50	12.7	4.63	12.7	4.70	12.7	4.76	12.6	4.83	12.6	4.89
	-12.6	-13.0	13.4	4.49	13.4	4.61	13.4	4.74	13.3	4.80	13.3	4.86	13.3	4.92	13.3	4.99
	-10.5	-11.0	14.1	4.60	14.1	4.72	14.0	4.84	14.0	4.90	14.0	4.96	14.0	5.02	14.0	5.08
	-9.5	-10.0	14.4	4.65	14.4	4.77	14.4	4.88	14.3	4.94	14.3	5.00	14.1	5.07	14.1	5.14
	-8.5	-9.1	14.7	4.70	14.7	4.81	14.7	4.92	14.6	4.98	14.6	5.04	14.1	5.10	14.1	5.17
	-7.0	-7.6	15.2	4.77	15.2	4.88	15.2	4.99	15.1	5.04	15.1	5.10	14.1	5.16	14.1	5.23
	-5.0	-5.6	15.9	4.86	15.9	4.96	15.8	5.07	15.7	5.05	15.2	4.85	14.1	4.45	14.1	4.45
	-3.0	-3.7	16.5	4.93	16.5	5.03	16.2	5.01	15.7	4.81	15.2	4.62	14.1	4.25	14.1	4.25
	0.0	-0.7	17.5	5.04	17.2	5.02	16.2	4.66	15.7	4.48	15.2	4.30	14.1	3.96	14.1	3.96
	3.0	2.2	18.3	5.05	17.2	4.70	16.2	4.37	15.7	4.20	15.2	4.04	14.1	3.72	14.1	3.72
	5.0	4.1	18.3	4.84	17.2	4.51	16.2	4.19	15.7	4.04	15.2	3.88	14.1	3.58	14.1	3.58
	7.0	6.0	18.3	4.66	17.2	4.34	16.2	4.04	15.7	3.89	15.2	3.74	14.1	3.45	14.1	3.45
	9.0	7.9	18.3	4.48	17.2	4.18	16.2	3.89	15.7	3.75	15.2	3.61	14.1	3.33	14.1	3.33
	11.0	9.8	18.3	4.32	17.2	4.03	16.2	3.75	15.7	3.62	15.2	3.48	14.1	3.22	14.1	3.22
13.0	11.8	18.3	4.17	17.2	3.89	16.2	3.62	15.7	3.49	15.2	3.36	14.1	3.11	14.1	3.11	
15.0	13.7	18.3	4.03	17.2	3.76	16.2	3.51	15.7	3.38	15.2	3.26	14.1	3.01	14.1	3.01	
80% 14.40 kW	-19.8	-20.0	11.0	4.29	11.0	4.43	11.0	4.56	11.0	4.63	10.9	4.70	10.9	4.77	10.9	4.83
	-18.8	-19.0	11.4	4.36	11.3	4.50	11.3	4.63	11.3	4.69	11.3	4.76	11.3	4.83	11.3	4.89
	-16.7	-17.0	12.0	4.50	12.0	4.62	12.0	4.75	12.0	4.81	11.9	4.87	11.9	4.94	11.9	5.00
	-14.7	-15.0	12.7	4.62	12.7	4.74	12.6	4.86	12.6	4.92	12.6	4.97	12.5	5.07	12.5	5.14
	-12.6	-13.0	13.4	4.73	13.3	4.84	13.3	4.96	13.3	5.01	13.3	5.07	12.5	4.75	12.5	4.75
	-10.5	-11.0	14.0	4.83	14.0	4.94	14.0	5.04	13.9	5.08	13.5	4.88	12.5	4.48	12.5	4.48
	-9.5	-10.0	14.4	4.88	14.3	4.98	14.3	5.09	13.9	4.94	13.5	4.74	12.5	4.35	12.5	4.35
	-8.5	-9.1	14.7	4.92	14.6	5.02	14.4	5.01	13.9	4.81	13.5	4.62	12.5	4.24	12.5	4.24
	-7.0	-7.6	15.2	4.98	15.1	5.08	14.4	4.80	13.9	4.62	13.5	4.43	12.5	4.08	12.5	4.08
	-5.0	-5.6	15.8	5.06	15.3	4.91	14.4	4.56	13.9	4.38	13.5	4.21	12.5	3.88	12.5	3.88
	-3.0	-3.7	16.3	5.03	15.3	4.68	14.4	4.35	13.9	4.18	13.5	4.02	12.5	3.70	12.5	3.70
	0.0	-0.7	16.3	4.68	15.3	4.36	14.4	4.05	13.9	3.90	13.5	3.75	12.5	3.46	12.5	3.46
	3.0	2.2	16.3	4.38	15.3	4.09	14.4	3.80	13.9	3.67	13.5	3.53	12.5	3.26	12.5	3.26
	5.0	4.1	16.3	4.21	15.3	3.93	14.4	3.66	13.9	3.53	13.5	3.40	12.5	3.14	12.5	3.14
	7.0	6.0	16.3	4.05	15.3	3.78	14.4	3.53	13.9	3.40	13.5	3.27	12.5	3.03	12.5	3.03
	9.0	7.9	16.3	3.90	15.3	3.65	14.4	3.40	13.9	3.28	13.5	3.16	12.5	2.92	12.5	2.92
	11.0	9.8	16.3	3.77	15.3	3.53	14.4	3.29	13.9	3.17	13.5	3.06	12.5	2.83	12.5	2.83
13.0	11.8	16.3	3.64	15.3	3.40	14.4	3.18	13.9	3.06	13.5	2.95	12.5	2.74	12.5	2.74	
15.0	13.7	16.3	3.52	15.3	3.30	14.4	3.08	13.9	2.97	13.5	2.86	12.5	2.65	12.5	2.65	
70% 12.60 kW	-19.8	-20.0	11.0	4.59	10.9	4.71	10.9	4.82	10.9	4.88	10.9	4.94	10.9	5.06	10.9	5.14
	-18.8	-19.0	11.3	4.65	11.3	4.77	11.3	4.88	11.2	4.94	11.2	5.00	11.0	4.95	11.0	4.95
	-16.7	-17.0	12.0	4.77	11.9	4.88	11.9	4.99	11.9	5.04	11.8	5.02	11.0	4.61	11.0	4.61
	-14.7	-15.0	12.6	4.88	12.6	4.98	12.6	5.08	12.2	4.89	11.8	4.70	11.0	4.31	11.0	4.31
	-12.6	-13.0	13.3	4.98	13.3	5.07	12.6	4.78	12.2	4.59	11.8	4.41	11.0	4.06	11.0	4.06
	-10.5	-11.0	14.0	5.06	13.4	4.85	12.6	4.50	12.2	4.33	11.8	4.16	11.0	3.83	11.0	3.83
	-9.5	-10.0	14.2	5.06	13.4	4.71	12.6	4.37	12.2	4.21	11.8	4.04	11.0	3.72	11.0	3.72
	-8.5	-9.1	14.2	4.93	13.4	4.59	12.6	4.27	12.2	4.10	11.8	3.95	11.0	3.64	11.0	3.64
	-7.0	-7.6	14.2	4.73	13.4	4.41	12.6	4.10	12.2	3.94	11.8	3.79	11.0	3.50	11.0	3.50
	-5.0	-5.6	14.2	4.49	13.4	4.19	12.6	3.89	12.2	3.75	11.8	3.61	11.0	3.33	11.0	3.33
	-3.0	-3.7	14.2	4.28	13.4	4.00	12.6	3.72	12.2	3.58	11.8	3.45	11.0	3.19	11.0	3.19
	0.0	-0.7	14.2	3.99	13.4	3.73	12.6	3.48	12.2	3.35	11.8	3.23	11.0	2.99	11.0	2.99
	3.0	2.2	14.2	3.75	13.4	3.51	12.6	3.27	12.2	3.16	11.8	3.04	11.0	2.82	11.0	2.82
	5.0	4.1	14.2	3.61	13.4	3.38	12.6	3.15	12.2	3.04	11.8	2.93	11.0	2.72	11.0	2.72
	7.0	6.0	14.2	3.48	13.4	3.26	12.6	3.04	12.2	2.93	11.8	2.83	11.0	2.62	11.0	2.62
	9.0	7.9	14.2	3.35	13.4	3.14	12.6	2.94	12.2	2.84	11.8	2.74	11.0	2.54	11.0	2.54
	11.0	9.8	14.2	3.24	13.4	3.04	12.6	2.84	12.2	2.74	11.8	2.65	11.0	2.46	11.0	2.46
13.0	11.8	14.2	3.13	13.4	2.94	12.6	2.75	12.2	2.66	11.8	2.56	11.0	2.38	11.0	2.38	
15.0	13.7	14.2	3.03	13.4	2.85	12.6	2.67	12.2	2.58	11.8	2.49	11.0	2.31	11.0	2.31	
60% 10.80 kW	-19.8	-20.0	10.9	4.88	10.9	4.99	10.8	5.03	10.5	4.84	10.1	4.64	9.41	4.27	9.41	4.27
	-18.8	-19.0	11.2	4.94	11.2	5.04	10.8	4.85	10.5	4.66	10.1	4.48	9.41	4.12	9.41	4.12
	-16.7	-17.0	11.9	5.04	11.5	4.87	10.8	4.52	10.5	4.35	10.1	4.18	9.41	3.84	9.41	3.84
	-14.7	-15.0	12.2	4.89	11.5	4.55	10.8	4.23	10.5	4.07	10.1	3.91	9.41	3.61	9.41	3.61
	-12.6	-13.0	12.2	4.59	11.5	4.28	10.8	3.98	10.5	3.83	10.1	3.69	9.41	3.40	9.41	3.40
	-10.5	-11.0	12.2	4.32	11.5	4.04	10.8	3.76	10.5	3.62	10.1	3.48	9.41	3.22	9.41	3.22
	-9.5	-10.0	12.2	4.20	11.5	3.93	10.8	3.65	10.5	3.52	10.1	3.39	9.41	3.13	9.41	3.13
	-8.5	-9.1	12.2	4.10	11.5	3.83	10.8	3.57	10.5	3.44	10.1	3.31	9.41	3.06	9.41	3.06
	-7.0	-7.6	12.2	3.94	11.5	3.68	10.8	3.43	10.5	3.31	10.1	3.19	9.41	2.95	9.41	2.95
	-5.0	-5.6	12.2	3.75	11.5	3.51	10.8	3.27	10.5	3.15	10.1	3.04	9.41	2.81	9.41	2.81
	-3.0	-3.7	12.2	3.58	11.5	3.35	10.8	3.13	10.5	3.02	10.1	2.91	9.41	2.70	9.41	2.70
	0.0	-0.7	12.2	3.35	11.5	3.14	10.8	2.93	10.5	2.83	10.1	2.73	9.41	2.53	9.41	2.53
	3.0	2.2	12.2	3.15	11.5	2.96	10.8	2.77	10.5	2.67	10.1	2.58	9.41	2.40	9.41	2.40
	5.0	4.1	12.2	3.04	11.5	2.85	10.8	2.67								

4 Capacity tables

4 - 3 Integrated Heating Capacity Correction Factor

RXYSQ-P8V1B

INTEGRATED HEATING CAPACITY COEFFICIENT

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

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

Formula:

Integrated heating capacity = A

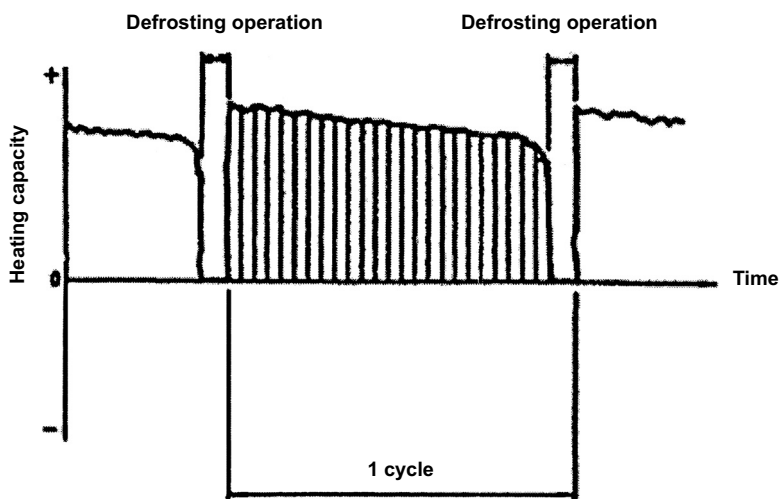
Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

$A = B \times C$

Correction factor for finding integrated heating capacity.

Inlet port temperature of heat exchanger (°C/RH 85%)	-7	-5	-3	0	3	5	7
Integrating correction factor for frost accumulation	0,88	0,86	0,8	0,75	0,76	0,82	1.0



3TW30402

NOTES

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

4 Capacity tables

4 - 4 Capacity Correction Factor

RXYSQ-P8V1B

Capacity Correction Factor by the Length of Refrigerant Piping

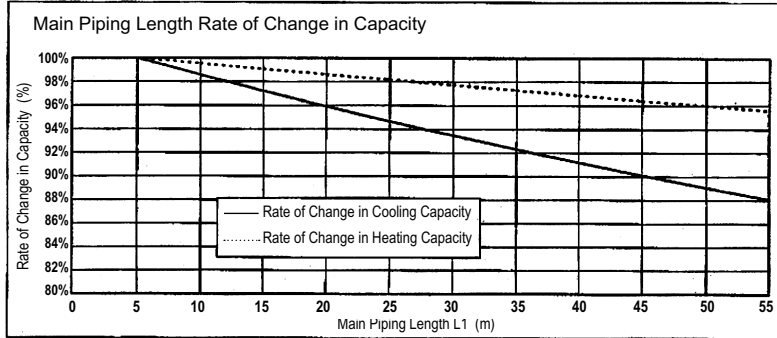
• Rate of Change in Capacity by the Main Piping Length

Rate of Change in Cooling Capacity

Main Piping Length	5	10	15	20	25	30	35	40	45	50	55
Rate of Change in Cooling Capacity	100.0%	98.6%	97.2%	95.9%	94.7%	93.5%	92.3%	91.2%	90.1%	89.1%	88.1%

Rate of Change in Heating Capacity

Main Piping Length	5	10	15	20	25	30	35	40	45	50	55
Rate of Change in Heating Capacity	100.0%	99.5%	99.1%	98.6%	98.2%	97.7%	97.3%	96.9%	96.4%	96.0%	95.6%



Both cases outdoor unit in inferior or superior for indoor unit, the rate of change in capacity is same

• Rate of Change in Capacity by Branch Piping Length

(1) Refrigerant Piping Connection Diameter
liquid ø 6.4
gas ø 15.9

piping length	Rate of Change in Capacity	
	Cooling	Heating
3	100.0%	100.0%
5	99.6%	99.9%
10	98.7%	99.6%
15	97.9%	99.3%

(2) Refrigerant Piping Connection Diameter
liquid ø 6.4
gas ø 12.7

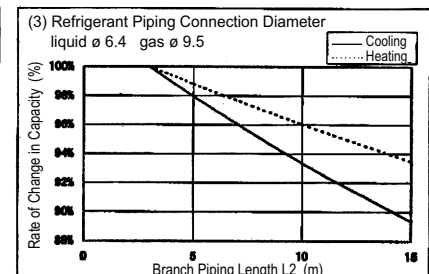
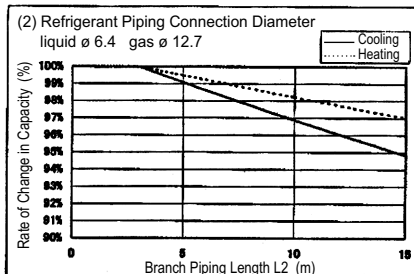
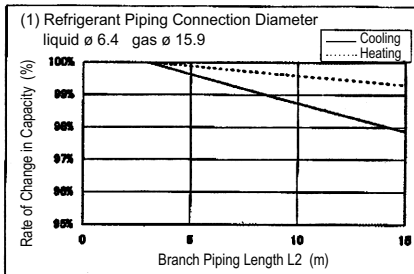
piping length	Rate of Change in Capacity	
	Cooling	Heating
3	100.0%	100.0%
5	99.1%	99.5%
10	96.9%	98.2%
15	94.8%	97.0%

(3) Refrigerant Piping Connection Diameter
liquid ø 6.4
gas ø 9.5

piping length	Rate of Change in Capacity	
	Cooling	Heating
3	100.0%	100.0%
5	98.0%	98.8%
10	93.4%	96.0%
15	89.3%	93.5%

Piping size for field connection (mm)

Class (KW)		RA		SA	
		Liquid	gas	Liquid	gas
		25	ø 8.4	ø 9.5	ø 8.4
35					
50	ø 12.7	ø 15.9			
60					
71					



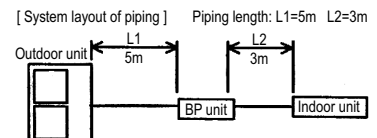
[Method of calculating cooling/heating capacity]

Total capacity from capacity tables x (Rate of change in capacity by main piping length x Rate of change in capacity by branch piping length)

3TW33622-5

NOTES

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With the outdoor unit, evaporating pressure constant control when cooling and condensing pressure constant control when heating is carried out.
- For RXYSQ: use these correction factors in case of installation with bp unit.

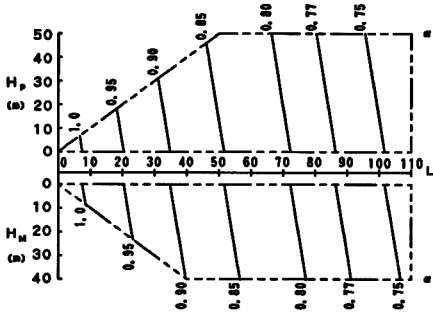


4 Capacity tables

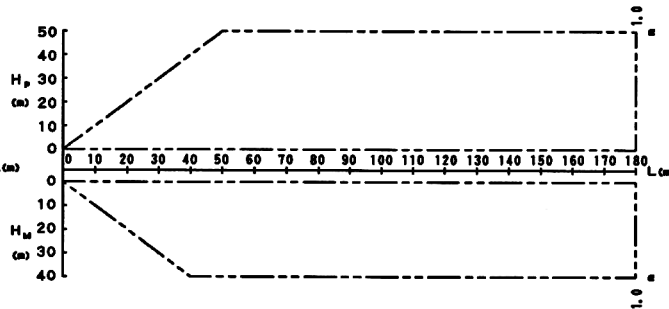
4 - 4 Capacity Correction Factor

RXYSQ4,5P8V1B

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]

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

[Diameter of pipes]

Model	Gas	Liquid
RXYSQ4, 5P8V1	ø 15.9	ø 9.5
RXYSQ4, 5P8Y1		

3TW33622-3

NOTES

1. 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.
2. With this (outdoor unit, evaporating) pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
3. 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 RXYSQ4, 5P8V1 - RXYSQ4, 5P8Y1>

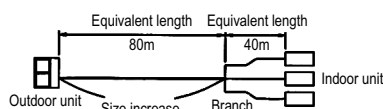
4. When overall equivalent pipe length is 90m or more, the diameter of the main gas pipes (outdoor unit-branch sections) must be increased.
[Diameter of above case]

Model	Gas	Liquid
RXYSQ4, 5P8V1	ø 19.1	Not increased
RXYSQ4, 5P8Y1		

5. When the main sections of the interunit gas pip diameters are increased the overall equivalent length should be calculated as follows.

$$\text{Overall equivalent length} = \text{Equivalent length to main pipe} \times 0.5 + \text{Equivalent length after branching}$$

Example: RXYSQ4, 5P8V1
RXYSQ4, 5P8Y1

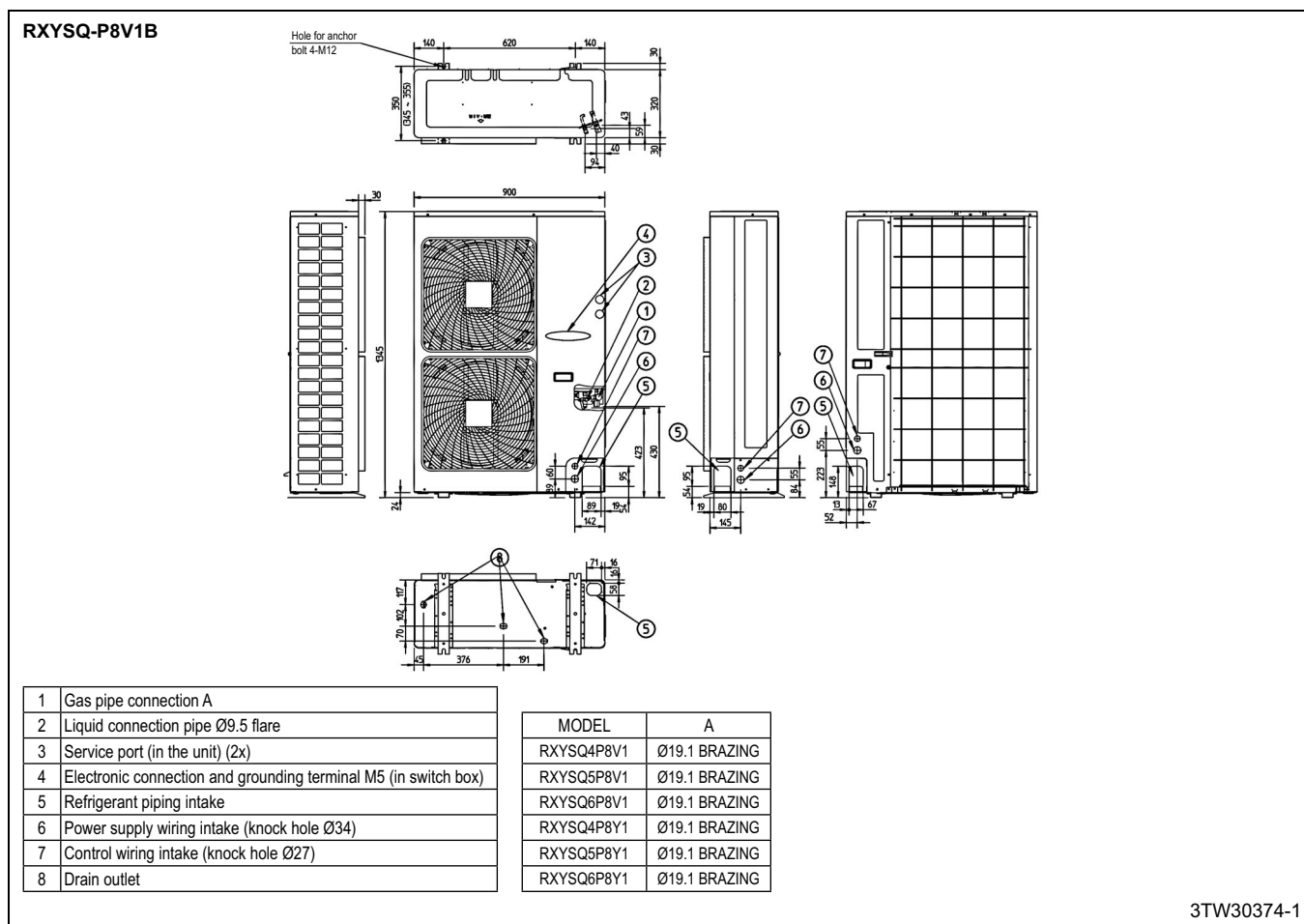


In the above case (Cooling)
Overall equivalent length = 80m x 0.5 + 40m = 80m
The correction factor in capacity when Hp = 0m is thus approximately 0.78

6. For RXYSQ: use these correction factors in case of vrv indoor unit.

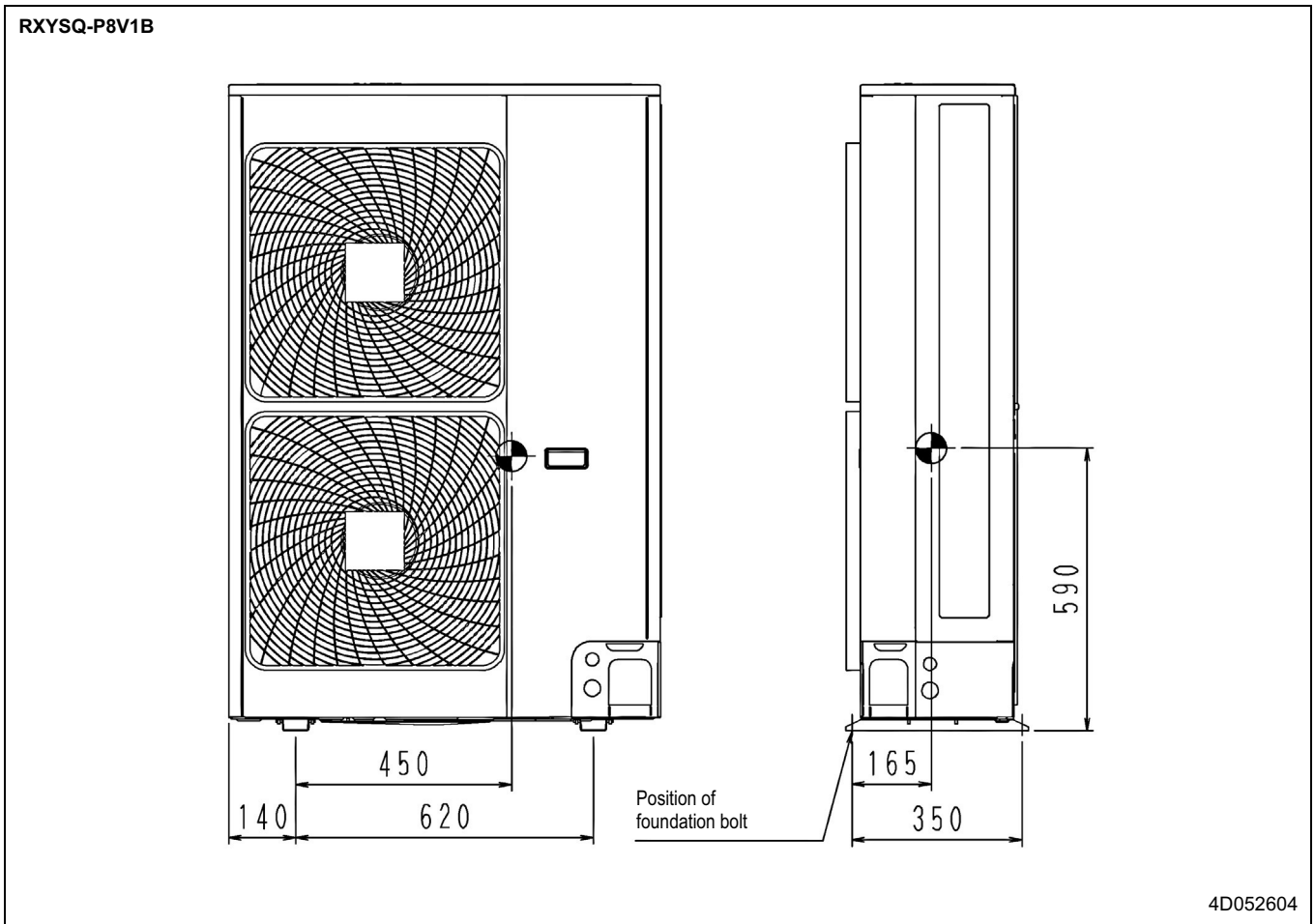
5 Dimensional drawings

5 - 1 Dimensional Drawings



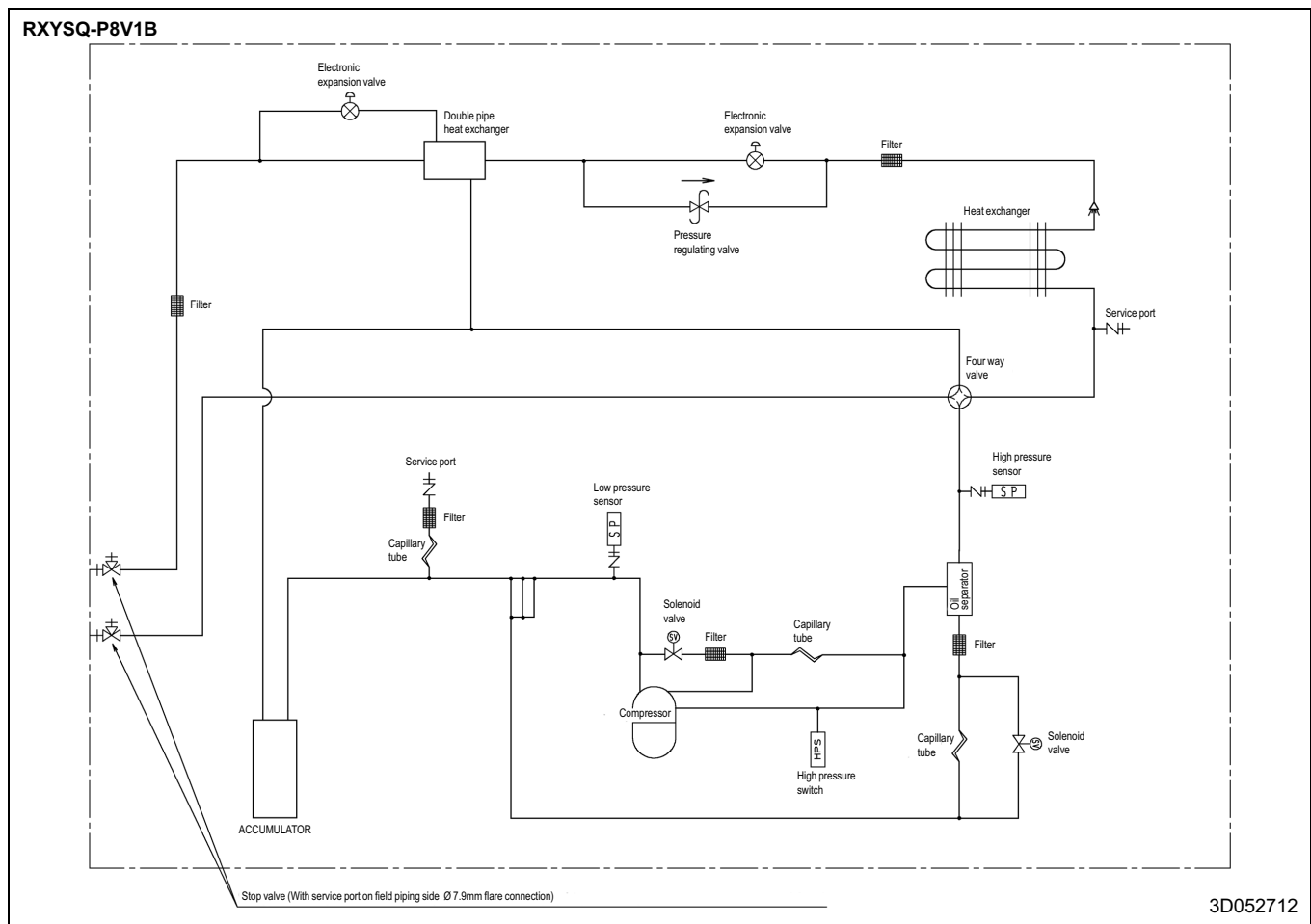
6 Centre of gravity

6 - 1 Centre of Gravity



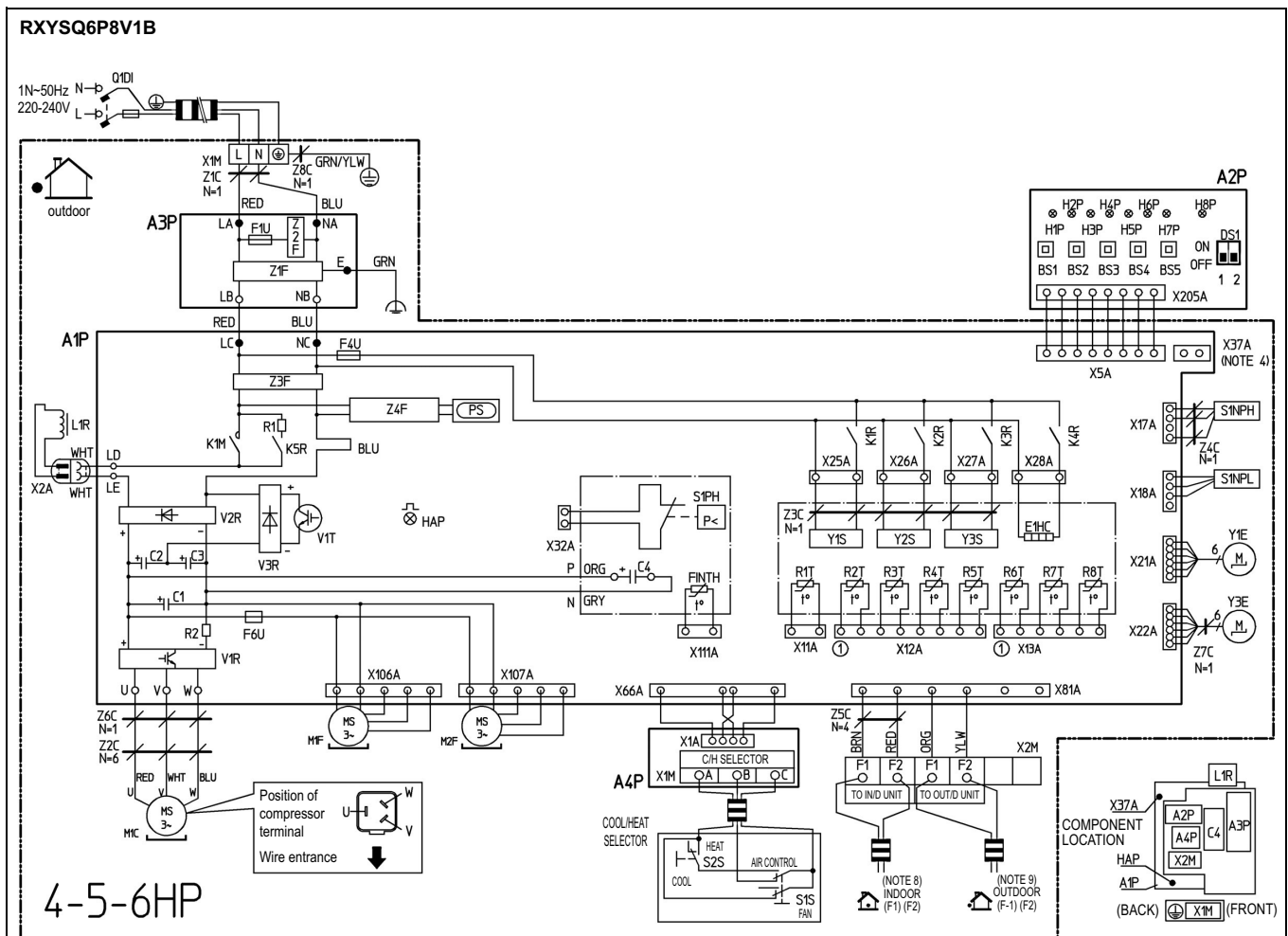
7 Piping diagrams

7 - 1 Piping Diagrams



8 Wiring Diagrams

8 - 1 Wiring Diagrams



Cool/heat selector		K1M	Magnetic contactor (M1C)	R6T	Thermistor (subcooling H.Ex)
S1S	Selector switch (fan/cool-heat)	K1R	Magnetic relay (Y1S)	R7T	Thermistor (liquid pipe 1)
S2S	Selector switch (cool-heat)	K2R	Magnetic relay (Y2S)	R8T	Thermistor (liquid pipe 2)
	Connector of option adapter	K3R	Magnetic relay (Y3S)	S1NPH	Pressure sensor (high)
X37A (note 4)	Connector (option adapter power supply)	K4R	Magnetic relay (E1HC)	S1NPL	Pressure sensor (low)
A1P	Printed circuit board (Main)	K5R	Magnetic relay	S1PH	Pressure switch (high)
A2P	Printed circuit board (Inv.)	L1R	Reactor	V1R	Power module
A3P	Printed circuit board (Noise filter)	M1C	Motor (compressor)	V2R, V3R	Diode module
A4P	Printed circuit board (C/H selector)	M1F	Motor (fan) (upper)	V1T	IGBT
BS1-BS5	Push button switch (mode, set, return, test, reset)	M2F	Motor (fan) (lower)	X1M	Terminal strip (power supply 4)
C1-C4	Capacitor	PS	Switching power supply	X2M	Terminal strip (control)
DS1	Dip switch	Q1D1	Field earth leakage breaker (300mA)	X1M	Terminal strip (C/H selector) (A4P)
E1HC	Crankcase heater	R1	Resistor	Y1E	Electronic expansion valve (main)
F1U, F4U	Fuse (T 6.3A / 250 V)	R2	Resistor	Y3E	Electronic expansion valve (subcool)
F6U	Fuse (T 5.0A / 250 V)	R1T	Thermistor (air)	Y1S	Solenoid valve (4 way valve)
Finth	Thermistor (fin)	R2T	Thermistor (discharge)	Y2S	Solenoid valve (Hot gas)
H1P-H8P	Light emit. diode (serv. monitor-orange) [H2P] Prepare, test flickering Malfunction detection light up	R3T	Thermistor (suction 1)	Y3S	Solenoid valve (U/L circuit)
		R4T	Thermistor (heat exchanger)	Z1C-Z8C	Noise filter (ferrity core)
		R5T	Thermistor (suction 2)	Z1F-Z4F	Noise filter
Hap (A1P)	Light emitting diode (service monitor green)				

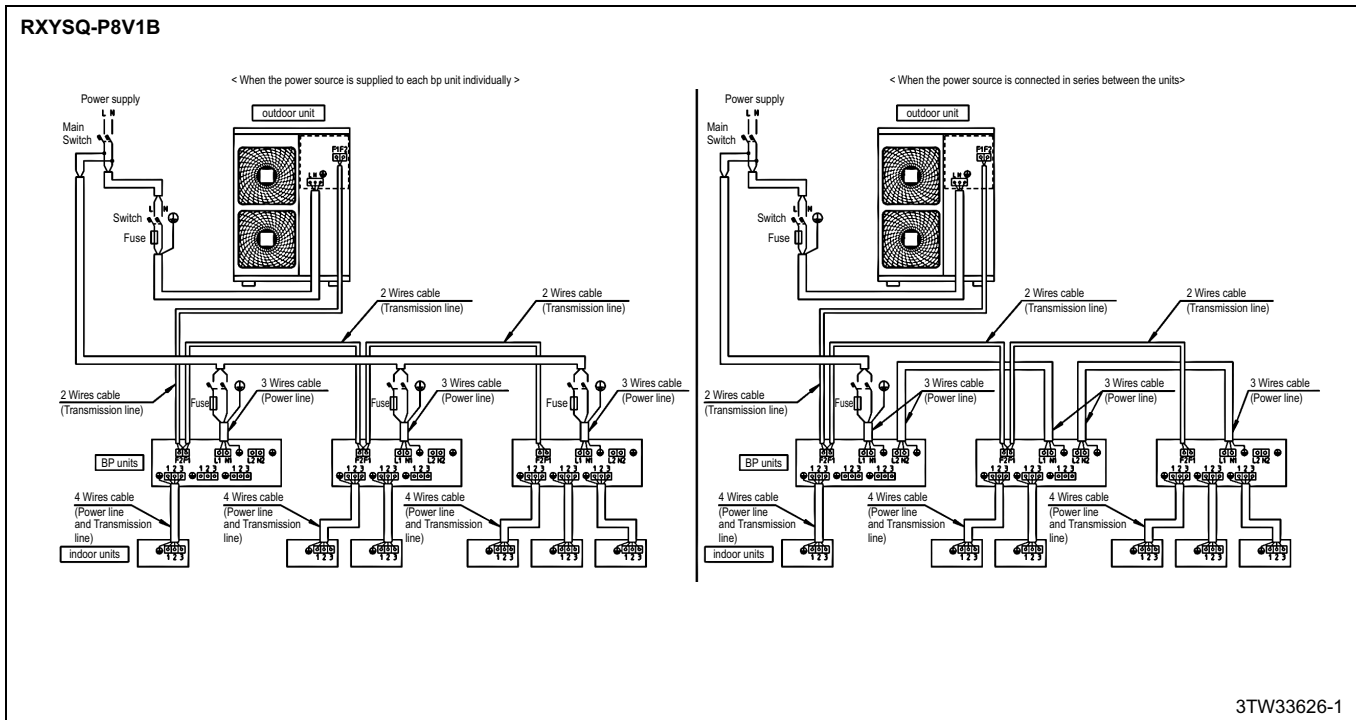
2TW30376-1

NOTES

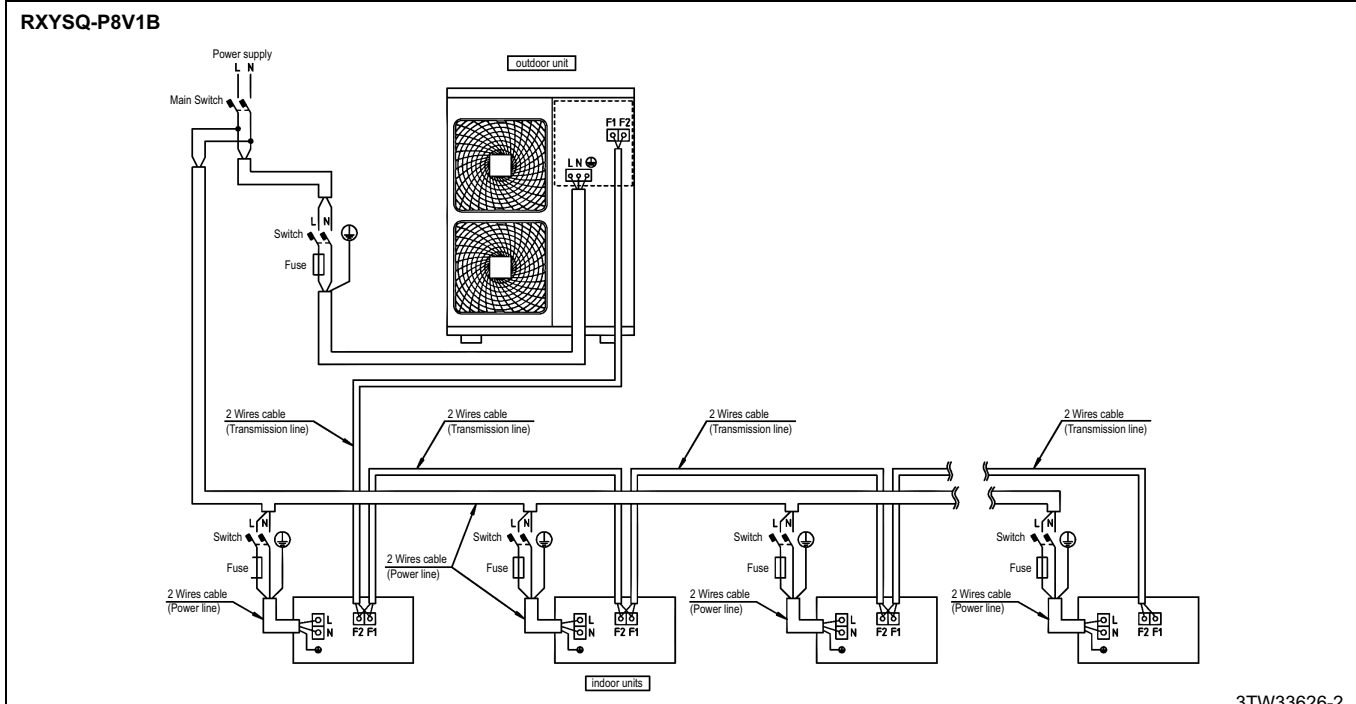
- This wiring diagram only applies to the outdoor unit.
- L: Live, N: Neutral, : Field wiring
- : Terminal strip : Connector : Connection : Protective earth (screw) : Relay connector : Noiseless earth : Terminal
- When using the option adapter, refer to the installation manual
- Refer to the 'wiring diagram sticker' (On back of front plate) on how to use BS1 ~ BS5 and DS1, DS2 switch.
- Do not operate the unit by short-circuiting protection device S1PH.
- Colors: BLU = BLUE, BRN = BROWN, GRN = GREEN, RED = RED, WHT = WHITE, YLW = YELLOW, ORG = ORANGE
- 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.

9 External connection diagrams

9 - 1 External Connection Diagrams



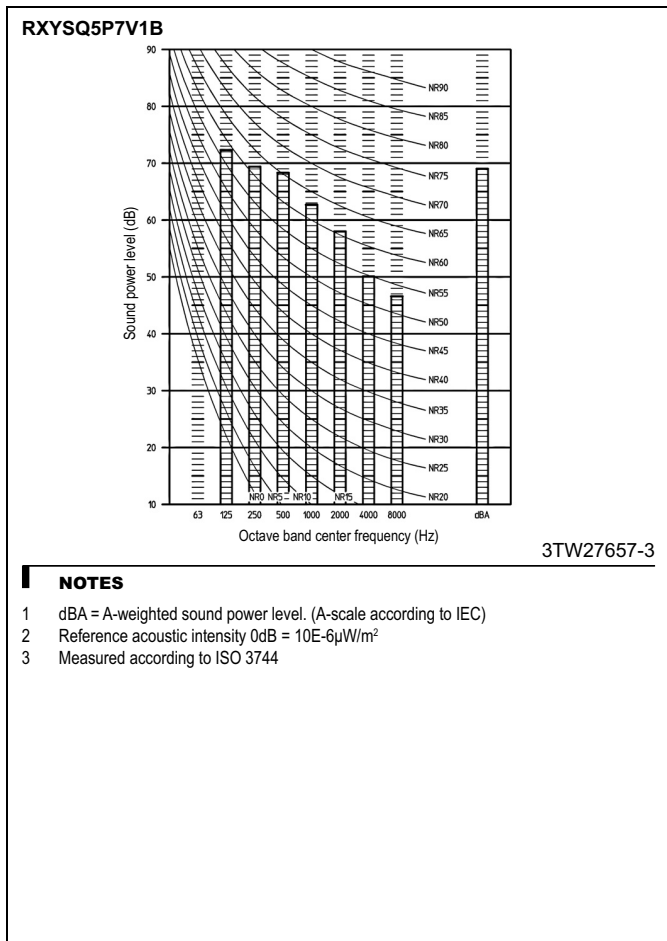
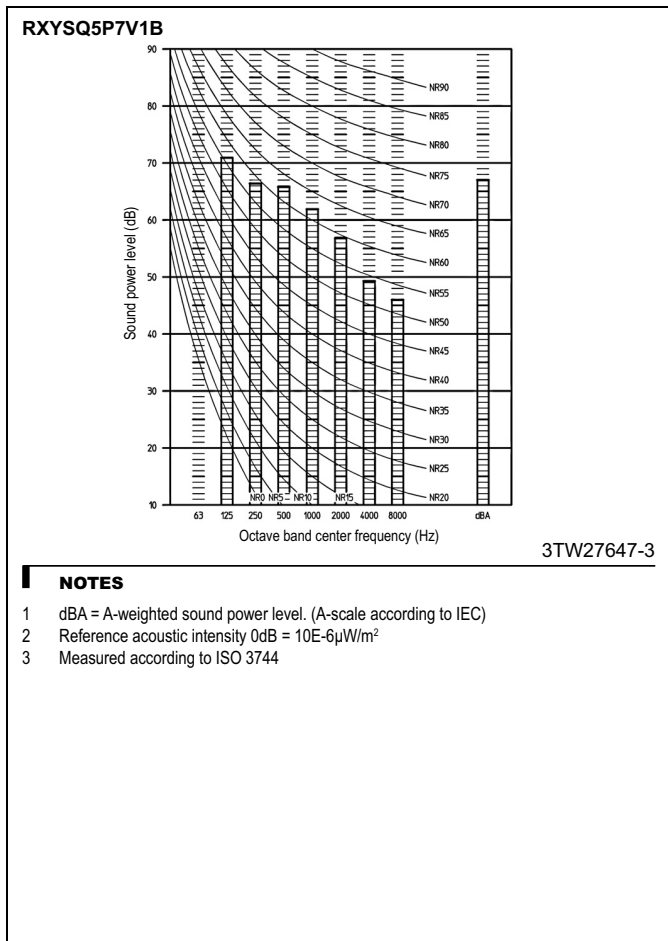
- NOTES**
1. All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
 2. Use copper conductors only.
 3. As for details, see wiring diagram.
 4. Install circuit breaker for safety.
 5. All field wiring and components must be provided by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



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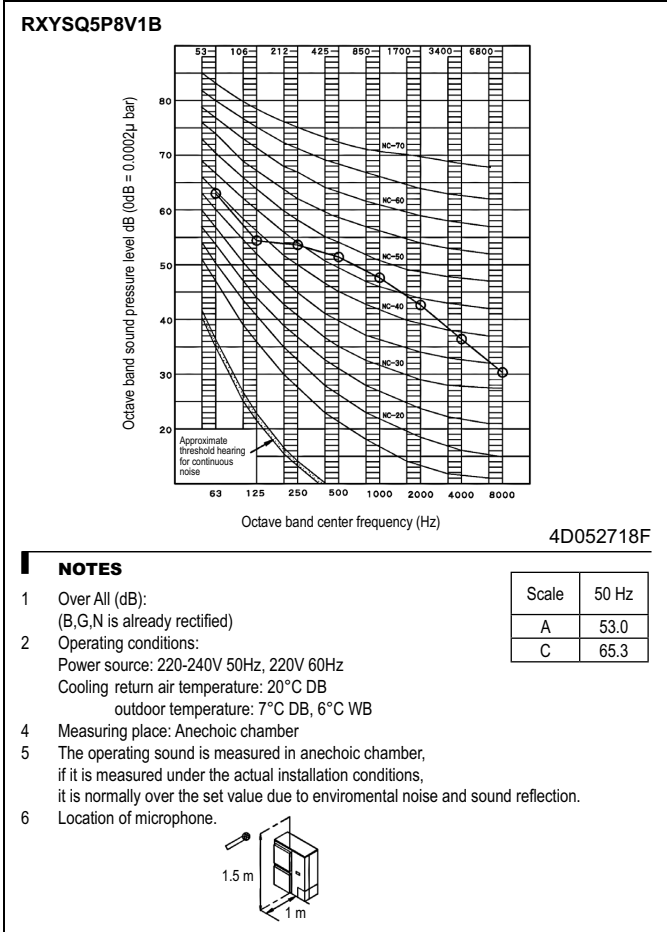
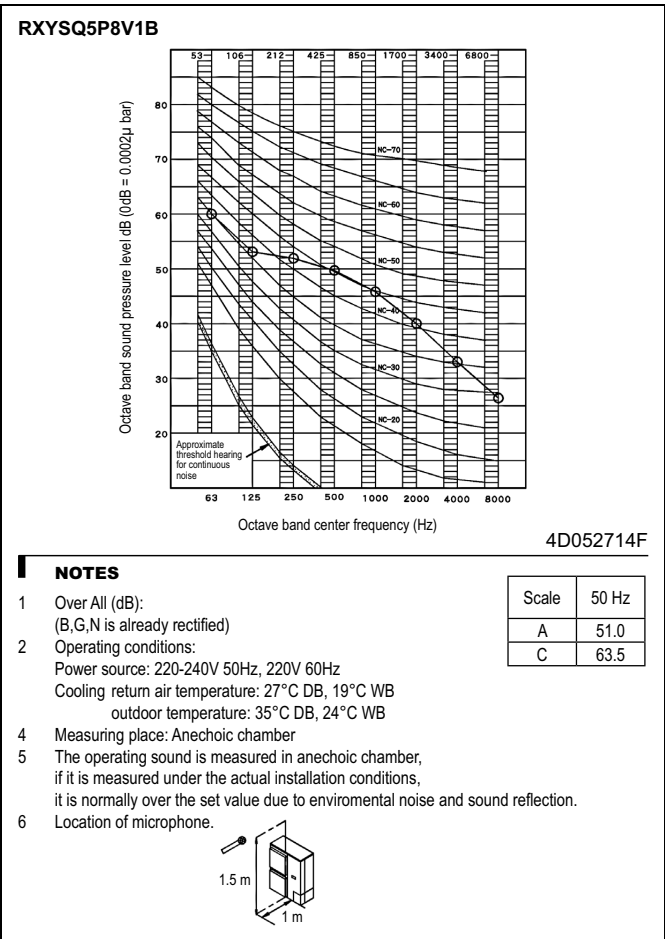
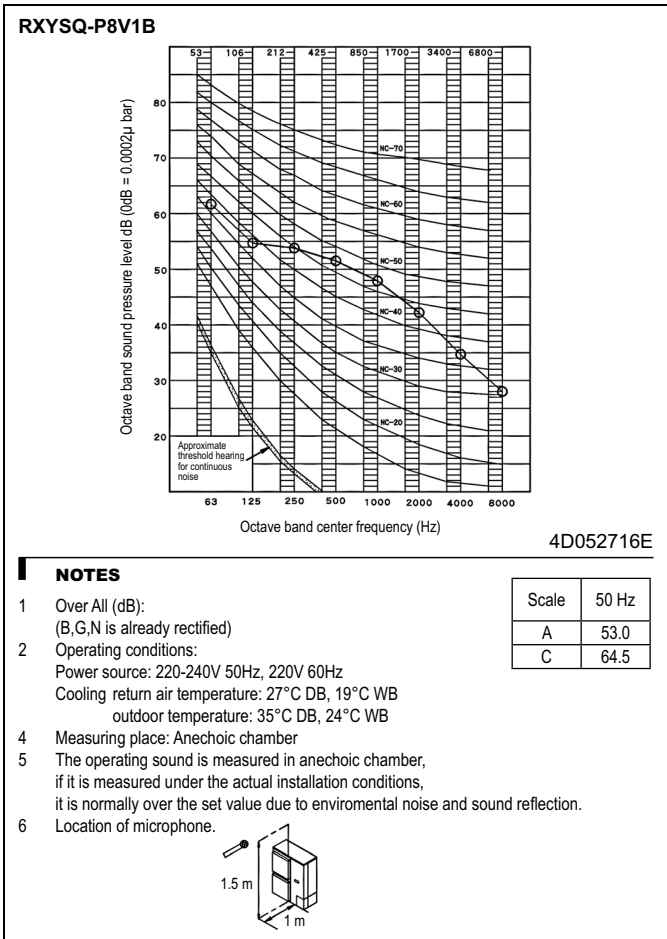
10 Sound data

10 - 1 Sound Power Spectrum



10 Sound data

10 - 2 Sound Pressure Spectrum



11 Installation

11 - 1 Installation Method

RXYSQ-P8V1B

Required installation space

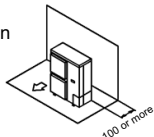
(The unit of these values is 'mm')

1. When there are obstacle on suction side:

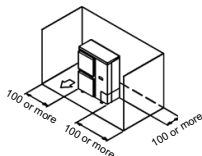
(a) No obstacle above

(1) Stand-alone installation

- Obstacle on the suction side only

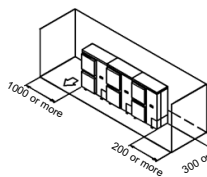


- Obstacle on both sides



(2) Series installation (2 or more)

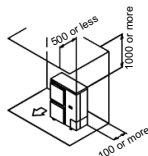
- Obstacle on both sides



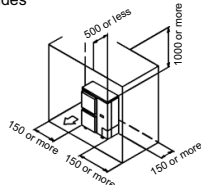
(b) Obstacle above, too

(1) Stand-alone installation

- Obstacle on the suction side, too

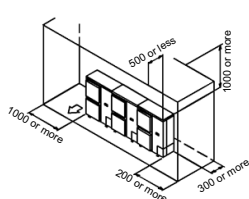


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more)

- Obstacle on the suction side and both sides

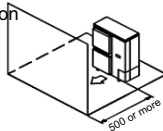


2. Where there are obstacles on discharge side:

(a) No obstacle above

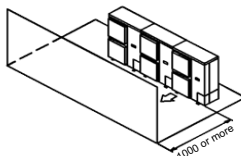
(1) Stand-alone installation

- Obstacle on the discharge side only



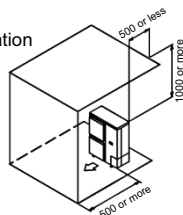
(2) Series installation (2 or more)

- Obstacle on the discharge side only

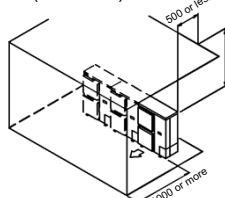


(a) Obstacle above, too

(1) Stand-alone installation



(2) Series installation (2 or more)



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

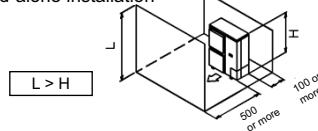
Pattern 1

Where the obstacles on the discharge side is higher than the unit:

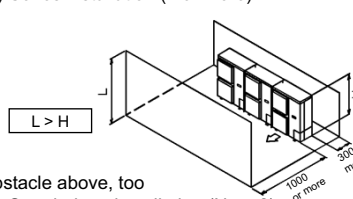
(There is no height limit for obstructions on the intake side)

(a) No obstacle above

(1) Stand-alone installation



(2) Series installation (2 or more)



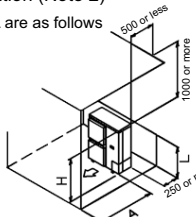
(b) Obstacle above, too

(1) Stand-alone installation (Note 2)

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.

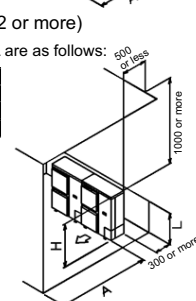


(2) Series installation (2 or more)

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.



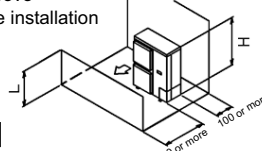
Pattern 2

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

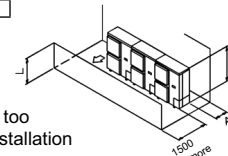
(1) Stand-alone installation



(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



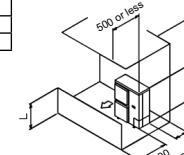
(a) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are 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.

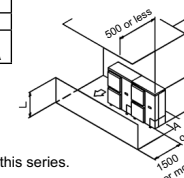


(2) Series installation

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: $L \leq H$ Refer to the column of $L \leq H$ for A	

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



Only two units can be installed for this series.

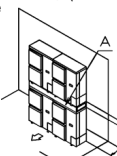
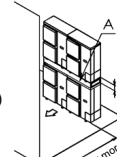
4. Double-decker installation

- (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 units.

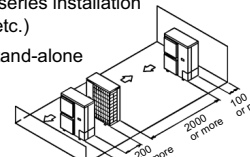
- (b) Obstacle on the suction side close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two units.



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

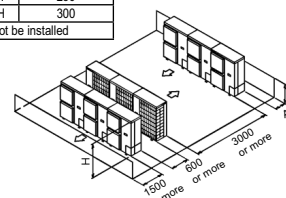
- (a) One row of stand-alone installation



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

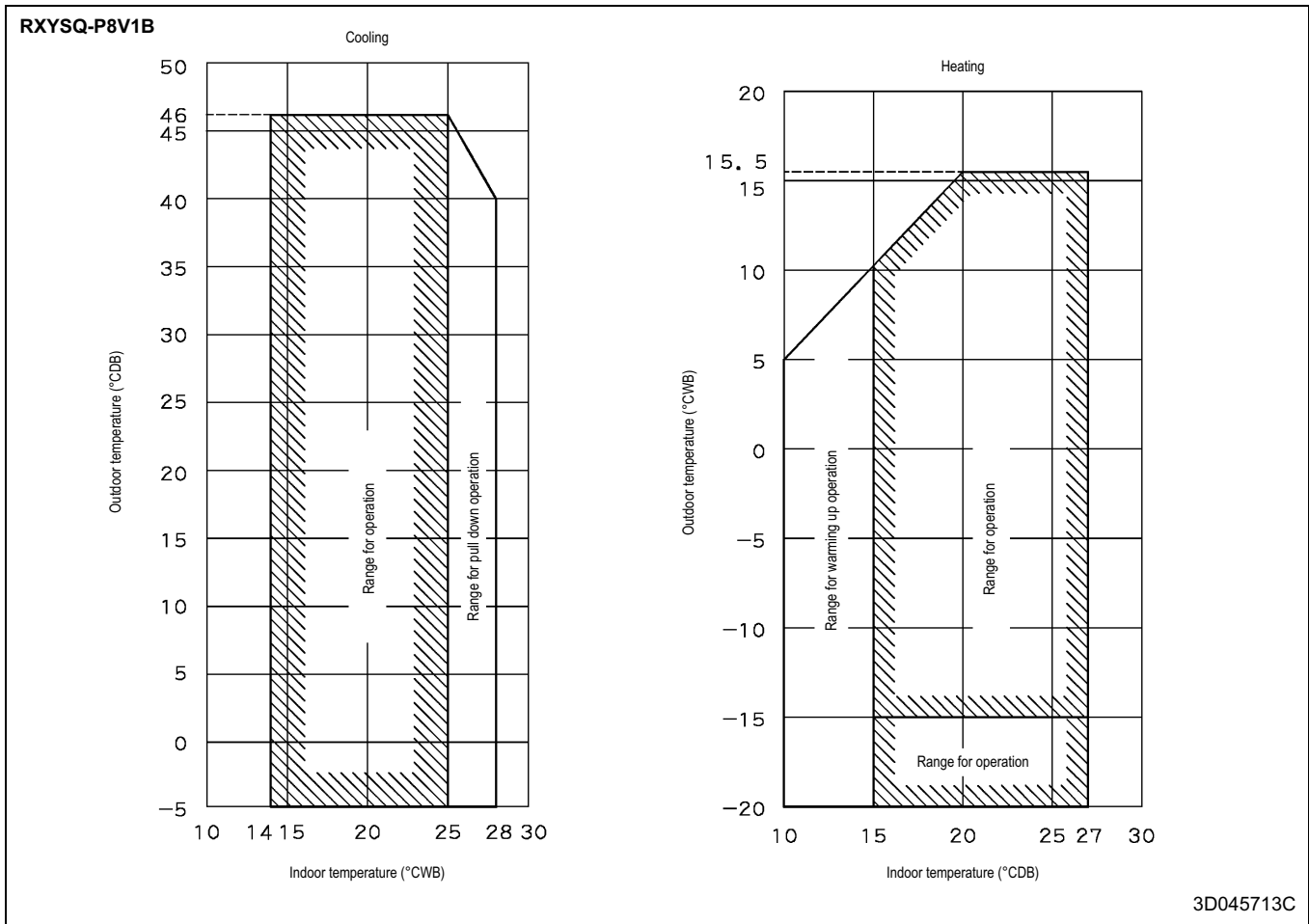
The relations between H, A and L are as follows

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



12 Operation range

12 - 1 Operation Range



In all of us,
a green heart



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

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