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Air Conditioners

Technical Data

VRV®

Heat Pump

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RTSYQ10-20PY1

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RTSYQ10-20PY1

1 Specifications

1-1 Independent Unit	RTSYQ10PY1	RTSYQ14PY1	RTSYQ16PY1	RTSYQ20PY1
Outdoor Unit	RTSQ10PY1	RTSQ14PY1	RTSQ16PY1	RTSQ8PY1
	-	-	-	RTSQ12PY1
Function unit	BTSQ20PY1			

1-2 Technical Specifications				RTSYQ10PY1	RTSYQ14PY1	RTSYQ16PY1	RTSYQ20PY1
Capacity	Cooling	kW		28.0 (1)	40.0 (1)	45.0 (1)	56.0 (1)
	Heating	kW		31.5 (2)	45.0 (2)	50.0 (2)	63.0 (2)
		kW		28.0 (3)	40.0 (3)	45.0 (3)	56.0 (3)
Power input	Cooling	Nominal	kW	7.90 (1)	12.6 (1)	14.9 (1)	15.4 (1)
	Heating	Nominal	kW	7.70 (2)	11.3 (2)	12.9 (2)	15.3 (2)
EER	Cooling @ 27°CDB outdoor temp.			3.54 (1)	3.17 (1)	3.02 (1)	3.64 (1)
COP	Heating @ 6°CWB outdoor temp.			4.09 (2)	3.98 (2)	3.88 (2)	4.12 (2)
Casing	Colour			Ivory white (5Y7,5/1)			
Dimensions	Unit	Height	mm	1,680			
		Width	mm	930	1,240	1,240	930 + 930
		Depth	mm	765	765	765	765
	Function unit	Height	mm	1,570			
		Width	mm	460	460	460	460
		Depth	mm	765	765	765	765
Weight	Unit		kg	257	338	344	205 + 257
	Function unit		kg	110	110	110	110
Heat Exchanger	Tube type			Cross fin coil			
Fan	Type			Propeller			
	Piston displacement		m	(13.72+10.53) + 16.9	(13.72+10.53+10.53)+16.9	(13.72+10.53+10.53) + 16.9	16.9+(13.72+10.53)+16.9
	Air Flow Rate (nominal at 230V)	Cooling	m³/min	185	233	239	(185+200)
		Heating	m³/min	185	233	239	(185+200)
	External static pressure (max)		Pa	78			
	Motor	Drive		Direct drive			
		Output motor	W	0.75x1	0.35x2	0.75x2	(0.75)+ (0.75)
Compressor	Motor	Type		Hermetically sealed scroll compressor			
		Speed	rpm	(6,300, 2,900), 7,980	(6,300, 2,900 , 2,900), 7,980	(6,300, 2,900, 2,900), 7,980	(7,980,(6,300, 2,900), 7,980
		Motor Output	kW	(2.2+4.5) + 4.7	(1.9+4.5+4.5) + 4.7	(3.2+4.5+4.5)+4.7	4.7+ (3.5+4.5)+ 4.7
		Starting Method		Soft start			
Sound level	Cooling	Sound Pressure (Maximum)	dBA	62	63	65	65
		Sound Pressure (Nominal)	dBA	60	61	63	63
Refrigerant	Name			R-410A			
	Charge		kg	10.5	11.7	11.7	9.4+10.9
	Control			Expansion valve (electronic type)			
Piping connections	Liquid (OD)	Type		Braze connection			
		Diameter (OD)	mm	9.52	12.7	12.7	15.9
	Gas	Type		Braze connection			
		Diameter (OD)	mm	22.2	28.6	28.6	28.6
	Oil equalizing	Type		-	-	-	Braze connection
		Diameter (OD)	mm	-	-	-	19.1
Defrost Method				Deicer			
Capacity Control				9 to 100	7 to 100	7 to 100	6 to 100
Safety devices				HPS			
				Fan motor driver overload protector			
				Over current relay			
				Inverter overload protector			
Standard Accessories	Standard Accessories			Installation manual			
				Operation manual			
				Connection pipes			
				Cramps			

1 Specifications

1-2 Technical Specifications	RTSYQ10PY1	RTSYQ14PY1	RTSYQ16PY1	RTSYQ20PY1
Notes	(1) indoor temperature: 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 5 units	(1) indoor temperature: 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 7 units	(1) indoor temperature: 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 8 units	(1) indoor temperature: 27°CDB, 19°CWB; outdoor temperature 35°CDB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 10 units
	(2) indoor temperature: 20°CDB; outdoor temperature 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 5 units	(2) indoor temperature: 20°CDB; outdoor temperature 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 7 units	(2) indoor temperature: 20°CDB; outdoor temperature 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 8 units	(2) indoor temperature: 20°CDB; outdoor temperature 7°CDB,6°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 10 units
	(3) indoor temperature: 20°CDB; outdoor temperature -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 5 units	3) indoor temperature: 20°CDB; outdoor temperature -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 7 units	(3) indoor temperature: 20°CDB; outdoor temperature -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 8 units	(3) indoor temperature: 20°CDB; outdoor temperature -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m; combined indoor unit: FXFQ50P x 10 units

1-3 Electrical Specifications			RTSYQ10PY1	RTSYQ14PY1	RTSYQ16PY1	RTSYQ20PY1
Power Supply	Name		Y1			
	Phase		3~			
	Frequency	Hz	50	50	50	50
	Voltage	V	380-415			

2 Electrical data

RTSQ-PY1, BTSQ20PY1

Model Name	Units				Power Supply			Comp.		OFM	
	Hz	Volts	Min.	Max.	MCA	TOCA	MFA	MSC	RLA	KW	FLA
RTSQ8PY1(E)	50	380	342	456	18.5	16.5	25	-	8.6	0.75	0.7
		400						-	8.2		
		415						-	7.9		
RTSQ10PY1(E)	50	380	342	456	21.6	31.5	25	78	4.7+7.2	0.75	0.9
		400						74	4.5+6.8		
		415						72	4.3+6.6		
RTSQ12PY1(E)	50	380	342	456	22.7	31.5	25	79	6.5+7.0	0.75	0.9
		400						75	6.2+6.7		
		415						72	6.0+6.4		
RTSQ14PY1(E)	50	380	342	456	31.5	46.4	35	89	3.6+7.9x2	0.35+0.35	0.6+0.6
		400						84	3.4+7.5x2		
		415						81	3.3+7.3x2		
RTSQ16PY1(E)	50	380	342	456	32.5	48.3	40	90	6.4+8.0x2	0.75+0.75	0.7+0.7
		400						85	6.1+7.6x2		
		415						82	5.9+7.3x2		
BTSQ20PY1(E)	50	380	342	456	15.2	14.7	20	-	8.6	-	-
		400						-	8.2		
		415						-	7.9		

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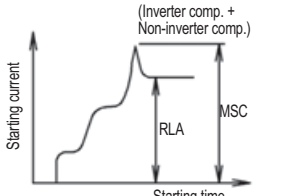
SYMBOLS

MCA : Min.Circuit Amps. (A)
TOCA : Total Over-current Amps (A)
MFA : Max. Fuse Amps (A)
MSC : Max. Starting current
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
FLA : Full Load Amps (A)
kW : Rated Motor Output (kW)



The relationship between the starting time and the starting current

NOTES

1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19.0°CWB
Outdoor temp. 35°CDB
2 TOCA means the total value of each OC set.
3 MSC means the Max. current during the starting of compressor.
4 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
5 Maximum allowable voltage variation between phases is 2%
6 Select wire size based on the larger value of MCA or TOCA.
7 MFA is used to select the circuit breaker and the ground fault circuit interrupter earth leakage circuit breaker).

RTSYQ-PY1

Model Name				Units				Power Supply			Comp.		OFM	
Combination unit	Indpendent unit			Hz	Volts	Min.	Max.	MCA	TOCA	MFA	MSC	RLA	KW	FLA
RTSYQ10PY1(E)	RTSQ10PY1(E)		BTSQ20PY1(E)	50	380	342	456	21.6	31.5	25	78	4.7+7.2	0.75	0.9
					400						74	4.5+6.8		
					415						72	4.3+6.6		
RTSYQ14PY1(E)	RTSQ14PY1(E)		BTSQ20PY1(E)	50	380	342	456	31.5	46.4	35	89	3.6+7.9x2	0.35+0.35	0.6+0.6
					400						84	3.4+7.5x2		
					415						81	3.3+7.3x2		
RTSYQ16PY1(E)	RTSQ16PY1(E)		BTSQ20PY1(E)	50	380	342	456	32.5	48.3	40	90	6.4+8.0x2	0.75+0.75	0.7+0.7
					400						85	6.1+7.6x2		
					415						82	5.9+7.3x2		
RTSYQ20PY1(E)	RTSQ8PY1(E)	RTSQ12PY1(E)	BTSQ20PY1(E)	50	380	342	456	41.2	48.0	50	83	8.6+6.5+7.0	0.75+0.75	0.7+0.9
					400						79	8.2+6.2+6.7		
					415						76	7.9+6.0+6.4		

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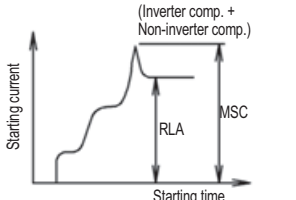
SYMBOLS

MCA : Min.Circuit Amps. (A)
TOCA : Total Over-current Amps (A)
MFA : Max. Fuse Amps (A)
MSC : Max. Starting current
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
FLA : Full Load Amps (A)
kW : Rated Motor Output (kW)



The relationship between the starting time and the starting current

NOTES

1 RLA is based on the following conditions.
Indoor temp. 27°CDB/19.0°CWB
Outdoor temp. 35°CDB
2 TOCA means the total value of each OC set.
3 MSC means the Max. current during the starting of compressor.
4 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
5 Maximum allowable voltage variation between phases is 2%
6 Select wire size based on the larger value of MCA or TOCA.
7 MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).

3 Options

RTSYQ-PY1

Optional accessories		RTSYQ10PY1	RTSYQ14PY1 RTSYQ16PY1	RTSYQ20PY1	Note
Distributive piping	Refnet header	KHRQ22M29H	KHRQ22M29H		
		-	KHRQ22M64H		
	Refnet joint	KHRQ22M20T	KHRQ22M20T	KHRQ22M20T	
		KHRQ22M29T9	KHRQ22M29T9	KHRQ22M29T9	
		-	KHRQ22M64T	KHRQ22M64T	
		-		KHRQ22M75T	
Snowbreak hood	Kit (inlet+outlet)	KPS26C280	KPS26C504	KPS26C280*2	
		-	-	-	Note 1
	Air outlet	KPS26C280T	KPS26C504T	KPS26C280T*2	
		-	-	-	Note 1
	Left side air inlet	KPS26C504L	KPS26C504L	KPS26C504L*2	
		-	-	-	Note 1
	Right side air inlet	KPS26C504R	KPS26C504R	KPS26C504R*2	
		-	-	-	Note 1
	Back side air inlet	KPS26C280B	KPS26C504B	KPS26C280B*2	
		-	-	-	Note 1
Outdoor unit multi connection piping kit		-	-	BHFQ22P1007	

NOTE

1 For production to order

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4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ10PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	325 (36.40)	10	24.6	3.64	29.3	4.45	34.0	5.30	35.3	5.41	35.7	5.30	36.6	5.07	37.5	4.85
		12	24.6	3.70	29.3	4.54	34.0	5.40	34.8	5.38	35.3	5.27	36.1	5.04	37.0	4.96
		14	24.6	3.77	29.3	4.62	33.9	5.46	34.4	5.35	34.8	5.24	35.7	5.20	36.6	5.24
		16	24.6	3.85	29.3	4.71	33.5	5.44	33.9	5.40	34.3	5.42	35.2	5.48	36.1	5.53
		18	24.6	3.92	29.3	4.81	33.0	5.65	33.4	5.67	33.9	5.70	34.8	5.76	35.7	5.81
		20	24.6	4.00	29.3	5.12	32.5	5.92	33.0	5.95	33.4	5.98	34.3	6.04	35.2	6.10
		21	24.6	4.11	29.3	5.30	32.3	6.06	32.8	6.09	33.2	6.12	34.1	6.18	35.0	6.24
		23	24.6	4.40	29.3	5.69	31.9	6.34	32.3	6.37	32.7	6.40	33.6	6.46	34.5	6.53
		25	24.6	4.71	29.3	6.09	31.4	6.61	31.9	6.65	32.3	6.68	33.2	6.75	34.1	6.82
		27	24.6	5.03	29.3	6.51	31.0	6.89	31.4	6.93	31.8	6.96	32.7	7.04	33.6	7.11
		29	24.6	5.37	29.3	6.96	30.5	7.17	30.9	7.21	31.4	7.25	32.3	7.32	33.2	7.40
		31	24.6	5.73	29.2	7.37	30.0	7.45	30.5	7.49	30.9	7.53	31.8	7.61	32.7	7.69
		33	24.6	6.10	28.7	7.65	29.6	7.73	30.0	7.78	30.5	7.82	31.4	7.90	32.2	7.99
		35	24.6	6.50	28.2	7.93	29.1	8.02	29.6	8.06	30.0	8.11	30.9	8.20	31.8	8.29
		37	24.6	6.92	27.8	8.20	28.7	8.30	29.1	8.35	29.6	8.40	30.4	8.49	31.3	8.59
		39	24.6	7.37	27.3	8.49	28.2	8.59	28.7	8.64	29.1	8.69	30.0	8.79	30.9	8.89
120%	300 (33.60)	10	22.7	3.32	27.0	4.06	31.4	4.83	33.6	5.22	35.2	5.44	36.0	5.23	36.8	5.03
		12	22.7	3.38	27.0	4.14	31.4	4.92	33.6	5.32	34.7	5.41	35.5	5.20	36.3	4.99
		14	22.7	3.45	27.0	4.22	31.4	5.01	33.6	5.42	34.2	5.38	35.1	5.17	35.9	5.21
		16	22.7	3.51	27.0	4.30	31.4	5.11	33.4	5.46	33.8	5.39	34.6	5.44	35.4	5.49
		18	22.7	3.58	27.0	4.38	31.4	5.29	32.9	5.64	33.3	5.67	34.1	5.72	35.0	5.77
		20	22.7	3.65	27.0	4.56	31.4	5.68	32.5	5.92	32.9	5.94	33.7	6.00	34.5	6.05
		21	22.7	3.69	27.0	4.72	31.4	5.89	32.2	6.05	32.6	6.08	33.5	6.14	34.3	6.19
		23	22.7	3.94	27.0	5.06	31.4	6.30	31.8	6.33	32.2	6.36	33.0	6.42	33.8	6.48
		25	22.7	4.21	27.0	5.41	30.9	6.57	31.3	6.61	31.7	6.64	32.6	6.70	33.4	6.76
		27	22.7	4.49	27.0	5.78	30.5	6.85	30.9	6.88	31.3	6.92	32.1	6.98	32.9	7.05
		29	22.7	4.79	27.0	6.18	30.0	7.13	30.4	7.16	30.8	7.20	31.6	7.27	32.5	7.34
		31	22.7	5.11	27.0	6.59	29.6	7.41	30.0	7.44	30.4	7.48	31.2	7.56	32.0	7.63
		33	22.7	5.44	27.0	7.03	29.1	7.69	29.5	7.72	29.9	7.76	30.7	7.84	31.5	7.92
		35	22.7	5.79	27.0	7.50	28.6	7.97	29.0	8.01	29.5	8.05	30.3	8.13	31.1	8.22
		37	22.7	6.16	27.0	7.99	28.2	8.25	28.6	8.29	29.0	8.34	29.8	8.42	30.6	8.51
		39	22.7	6.56	26.9	8.44	27.7	8.53	28.1	8.58	28.5	8.62	29.4	8.72	30.2	8.81
110%	275 (30.80)	10	20.8	3.02	24.8	3.68	28.8	4.36	30.8	4.72	32.8	5.08	35.3	5.39	36.1	5.20
		12	20.8	3.07	24.8	3.74	28.8	4.45	30.8	4.81	32.8	5.17	34.9	5.36	35.6	5.17
		14	20.8	3.13	24.8	3.81	28.8	4.53	30.8	4.90	32.8	5.27	34.4	5.33	35.2	5.17
		16	20.8	3.19	24.8	3.89	28.8	4.62	30.8	5.00	32.8	5.37	34.0	5.40	34.7	5.45
		18	20.8	3.25	24.8	3.96	28.8	4.71	30.8	5.13	32.8	5.63	33.5	5.68	34.3	5.73
		20	20.8	3.31	24.8	4.04	28.8	4.99	30.8	5.52	32.3	5.91	33.1	5.96	33.8	6.01
		21	20.8	3.34	24.8	4.17	28.8	5.17	30.8	5.72	32.1	6.04	32.8	6.09	33.6	6.15
		23	20.8	3.50	24.8	4.46	28.8	5.54	30.8	6.13	31.6	6.32	32.4	6.37	33.1	6.43
		25	20.8	3.74	24.8	4.77	28.8	5.93	30.8	6.57	31.2	6.59	31.9	6.65	32.7	6.71
		27	20.8	3.99	24.8	5.10	28.8	6.35	30.3	6.84	30.7	6.87	31.5	6.93	32.2	6.99
		29	20.8	4.25	24.8	5.44	28.8	6.78	29.9	7.12	30.3	7.15	31.0	7.22	31.8	7.28
		31	20.8	4.52	24.8	5.80	28.8	7.24	29.4	7.40	29.8	7.43	30.6	7.50	31.3	7.57
		33	20.8	4.82	24.8	6.18	28.6	7.64	29.0	7.67	29.4	7.71	30.1	7.78	30.9	7.86
		35	20.8	5.12	24.8	6.59	28.2	7.92	28.5	7.95	28.9	7.99	29.6	8.07	30.4	8.15
		37	20.8	5.45	24.8	7.02	27.7	8.19	28.1	8.23	28.4	8.28	29.2	8.36	29.9	8.44
		39	20.8	5.79	24.8	7.47	27.2	8.47	27.6	8.52	28.0	8.56	28.7	8.65	29.5	8.73
100%	250 (28.00)	10	18.9	2.72	22.5	3.30	26.2	3.91	28.0	4.23	29.8	4.54	33.5	5.19	35.4	5.37
		12	18.9	2.77	22.5	3.36	26.2	3.98	28.0	4.30	29.8	4.63	33.5	5.29	34.9	5.35
		14	18.9	2.82	22.5	3.42	26.2	4.06	28.0	4.39	29.8	4.72	33.5	5.39	34.5	5.32
		16	18.9	2.87	22.5	3.49	26.2	4.14	28.0	4.47	29.8	4.81	33.4	5.46	34.0	5.41
		18	18.9	2.92	22.5	3.56	26.2	4.22	28.0	4.56	29.8	4.91	32.9	5.64	33.6	5.68
		20	18.9	2.98	22.5	3.63	26.2	4.35	28.0	4.79	29.8	5.26	32.4	5.91	33.1	5.96
		21	18.9	3.01	22.5	3.66	26.2	4.50	28.0	4.96	29.8	5.45	32.2	6.05	32.9	6.10
		23	18.9	3.09	22.5	3.91	26.2	4.82	28.0	5.32	29.8	5.84	31.8	6.33	32.4	6.38
		25	18.9	3.29	22.5	4.17	26.2	5.16	28.0	5.69	29.8	6.25	31.3	6.60	32.0	6.66
		27	18.9	3.51	22.5	4.45	26.2	5.51	28.0	6.09	29.8	6.69	30.8	6.88	31.5	6.94
		29	18.9	3.74	22.5	4.75	26.2	5.89	28.0	6.50	29.7	7.10	30.4	7.16	31.1	7.22
		31	18.9	3.98	22.5	5.06	26.2	6.28	28.0	6.94	29.3	7.38	29.9	7.44	30.6	7.50
		33	18.9	4.23	22.5	5.39	26.2	6.70	28.0	7.41	28.8	7.66	29.5	7.72	30.2	7.79
		35	18.9	4.50	22.5	5.74	26.2	7.14	28.0	7.90	28.3	7.94	29.0	8.00	29.7	8.07
		37	18.9	4.78	22.5	6.11	26.2	7.61	27.5	8.18	27.9	8.22	28.6	8.29	29.2	8.36
		39	18.9	5.07	22.5	6.50	26.2	8.10	27.1	8.46	27.4	8.50	28.1	8.57	28.8	8.65

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NOTES

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

4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ10PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	225 (25.20)	10	17.0	2.44	20.3	2.94	23.6	3.47	25.2	3.74	26.8	4.02	30.1	4.60	33.4	5.18
		12	17.0	2.48	20.3	2.99	23.6	3.53	25.2	3.81	26.8	4.10	30.1	4.68	33.4	5.28
		14	17.0	2.52	20.3	3.05	23.6	3.60	25.2	3.89	26.8	4.18	30.1	4.77	33.4	5.38
		16	17.0	2.57	20.3	3.10	23.6	3.67	25.2	3.96	26.8	4.26	30.1	4.87	33.3	5.47
		18	17.0	2.61	20.3	3.16	23.6	3.74	25.2	4.04	26.8	4.34	30.1	4.96	32.9	5.64
		20	17.0	2.66	20.3	3.22	23.6	3.81	25.2	4.12	26.8	4.51	30.1	5.33	32.4	5.91
		21	17.0	2.68	20.3	3.25	23.6	3.88	25.2	4.26	26.8	4.67	30.1	5.53	32.2	6.05
		23	17.0	2.74	20.3	3.39	23.6	4.15	25.2	4.57	26.8	5.00	30.1	5.93	31.7	6.33
		25	17.0	2.88	20.3	3.62	23.6	4.44	25.2	4.88	26.8	5.35	30.1	6.35	31.3	6.60
		27	17.0	3.07	20.3	3.86	23.6	4.74	25.2	5.22	26.8	5.72	30.1	6.79	30.8	6.88
		29	17.0	3.26	20.3	4.11	23.6	5.06	25.2	5.57	26.8	6.11	29.8	7.11	30.4	7.16
		31	17.0	3.47	20.3	4.38	23.6	5.39	25.2	5.94	26.8	6.52	29.3	7.38	29.9	7.44
		33	17.0	3.69	20.3	4.66	23.6	5.75	25.2	6.33	26.8	6.95	28.9	7.66	29.5	7.72
		35	17.0	3.91	20.3	4.95	23.6	6.12	25.2	6.75	26.8	7.41	28.4	7.94	29.0	8.00
		37	17.0	4.15	20.3	5.26	23.6	6.51	25.2	7.19	26.8	7.90	27.9	8.22	28.6	8.29
		39	17.0	4.41	20.3	5.60	23.6	6.93	25.2	7.65	26.8	8.41	27.5	8.50	28.1	8.57
80%	200 (22,40)	10	15.1	2.16	18.0	2.59	20.9	3.04	22.4	3.28	23.9	3.52	26.8	4.01	29.7	4.52
		12	15.1	2.20	18.0	2.63	20.9	3.10	22.4	3.34	23.9	3.58	26.8	4.09	29.7	4.61
		14	15.1	2.23	18.0	2.68	20.9	3.15	22.4	3.40	23.9	3.65	26.8	4.17	29.7	4.69
		16	15.1	2.27	18.0	2.73	20.9	3.21	22.4	3.46	23.9	3.72	26.8	4.25	29.7	4.79
		18	15.1	2.31	18.0	2.78	20.9	3.27	22.4	3.53	23.9	3.79	26.8	4.33	29.7	4.88
		20	15.1	2.35	18.0	2.83	20.9	3.34	22.4	3.60	23.9	3.87	26.8	4.49	29.7	5.22
		21	15.1	2.37	18.0	2.86	20.9	3.37	22.4	3.64	23.9	3.95	26.8	4.65	29.7	5.41
		23	15.1	2.42	18.0	2.91	20.9	3.53	22.4	3.87	23.9	4.23	26.8	4.98	29.7	5.80
		25	15.1	2.50	18.0	3.10	20.9	3.78	22.4	4.14	23.9	4.52	26.8	5.33	29.7	6.21
		27	15.1	2.65	18.0	3.30	20.9	4.03	22.4	4.42	23.9	4.82	26.8	5.70	29.7	6.64
		29	15.1	2.82	18.0	3.52	20.9	4.29	22.4	4.71	23.9	5.15	26.8	6.08	29.7	7.10
		31	15.1	3.00	18.0	3.74	20.9	4.57	22.4	5.02	23.9	5.49	26.8	6.49	29.2	7.38
		33	15.1	3.18	18.0	3.98	20.9	4.87	22.4	5.35	23.9	5.85	26.8	6.93	28.8	7.65
		35	15.1	3.37	18.0	4.22	20.9	5.18	22.4	5.69	23.9	6.23	26.8	7.38	28.3	7.93
		37	15.1	3.57	18.0	4.49	20.9	5.51	22.4	6.06	23.9	6.63	26.8	7.87	27.9	8.21
		39	15.1	3.79	18.0	4.76	20.9	5.85	22.4	6.44	23.9	7.06	26.8	8.38	27.4	8.49
70%	175 (19.60)	10	13.2	1.90	15.8	2.26	18.3	2.63	19.6	2.83	20.9	3.03	23.4	3.45	26.0	3.88
		12	13.2	1.93	15.8	2.29	18.3	2.68	19.6	2.88	20.9	3.09	23.4	3.51	26.0	3.95
		14	13.2	1.96	15.8	2.33	18.3	2.73	19.6	2.93	20.9	3.14	23.4	3.58	26.0	4.02
		16	13.2	1.99	15.8	2.37	18.3	2.78	19.6	2.99	20.9	3.20	23.4	3.64	26.0	4.10
		18	13.2	2.03	15.8	2.41	18.3	2.83	19.6	3.04	20.9	3.26	23.4	3.72	26.0	4.18
		20	13.2	2.06	15.8	2.46	18.3	2.88	19.6	3.10	20.9	3.33	23.4	3.79	26.0	4.30
		21	13.2	2.08	15.8	2.48	18.3	2.91	19.6	3.13	20.9	3.36	23.4	3.85	26.0	4.45
		23	13.2	2.11	15.8	2.53	18.3	2.97	19.6	3.24	20.9	3.52	23.4	4.12	26.0	4.77
		25	13.2	2.15	15.8	2.63	18.3	3.17	19.6	3.46	20.9	3.76	23.4	4.40	26.0	5.10
		27	13.2	2.27	15.8	2.80	18.3	3.37	19.6	3.68	20.9	4.01	23.4	4.70	26.0	5.45
		29	13.2	2.41	15.8	2.97	18.3	3.59	19.6	3.92	20.9	4.27	23.4	5.02	26.0	5.82
		31	13.2	2.56	15.8	3.16	18.3	3.82	19.6	4.18	20.9	4.55	23.4	5.35	26.0	6.21
		33	13.2	2.71	15.8	3.35	18.3	4.06	19.6	4.44	20.9	4.84	23.4	5.70	26.0	6.62
		35	13.2	2.87	15.8	3.56	18.3	4.32	19.6	4.72	20.9	5.15	23.4	6.07	26.0	7.06
		37	13.2	3.04	15.8	3.77	18.3	4.58	19.6	5.02	20.9	5.48	23.4	6.46	26.0	7.52
		39	13.2	3.22	15.8	4.00	18.3	4.87	19.6	5.33	20.9	5.83	23.4	6.87	26.0	8.01
60%	150 (16.80)	10	11.3	1.65	13.5	1.94	15.7	2.25	16.8	2.41	17.9	2.57	20.1	2.91	22.3	3.26
		12	11.3	1.68	13.5	1.97	15.7	2.28	16.8	2.45	17.9	2.61	20.1	2.96	22.3	3.32
		14	11.3	1.70	13.5	2.00	15.7	2.32	16.8	2.49	17.9	2.66	20.1	3.01	22.3	3.38
		16	11.3	1.73	13.5	2.04	15.7	2.36	16.8	2.53	17.9	2.71	20.1	3.07	22.3	3.44
		18	11.3	1.75	13.5	2.07	15.7	2.40	16.8	2.58	17.9	2.76	20.1	3.12	22.3	3.51
		20	11.3	1.78	13.5	2.10	15.7	2.45	16.8	2.63	17.9	2.81	20.1	3.18	22.3	3.58
		21	11.3	1.80	13.5	2.12	15.7	2.47	16.8	2.65	17.9	2.83	20.1	3.22	22.3	3.61
		23	11.3	1.83	13.5	2.16	15.7	2.52	16.8	2.70	17.9	2.89	20.1	3.34	22.3	3.84
		25	11.3	1.86	13.5	2.20	15.7	2.61	16.8	2.84	17.9	3.07	20.1	3.57	22.3	4.10
		27	11.3	1.92	13.5	2.33	15.7	2.78	16.8	3.02	17.9	3.27	20.1	3.80	22.3	4.38
		29	11.3	2.04	13.5	2.47	15.7	2.96	16.8	3.21	17.9	3.48	20.1	4.05	22.3	4.67
		31	11.3	2.16	13.5	2.62	15.7	3.14	16.8	3.42	17.9	3.70	20.1	4.32	22.3	4.98
		33	11.3	2.28	13.5	2.78	15.7	3.33	16.8	3.63	17.9	3.94	20.1	4.59	22.3	5.30
		35	11.3	2.41	13.5	2.95	15.7	3.54	16.8	3.85	17.9	4.18	20.1	4.88	22.3	5.64
		37	11.3	2.55	13.5	3.12	15.7	3.75	16.8	4.09	17.9	4.44	20.1	5.19	22.3	6.00
		39	11.3	2.69	13.5	3.30	15.7	3.97	16.8	4.34	17.9	4.71	20.1	5.52	22.3	6.38
50%	125 (14.00)	10	9.45	1.42	11.3	1.65	13.1	1.88	14.0	2.01	14.9	2.13	16.7	2.40	18.6	2.67
		12	9.45	1.44	11.3	1.67	13.1	1.91	14.0	2.04	14.9	2.17	16.7	2.44	18.6	2.72
		14	9.45	1.46	11.3	1.69	13.1	1.94	14.0	2.07	14.9	2.20	16.7	2.48	18.6	2.76
		16	9.45	1.48	11.3	1.72	13.1	1.97	14.0	2.11	14.9	2.24	16.7	2.52	18.6	2.81
		18	9.45	1.50	11.3	1.74	13.1	2.01	14.0	2.14	14.9	2.28	16.7	2.57	18.6	2.87
		20	9.45	1.52	11.3	1.77	13.1	2.04	14.0	2.18	14.9	2.32	16.7	2.61	18.6	2.92
		21	9.45	1.53	11.3	1.79	13.1	2.06	14.0	2.20	14.9	2.34	16.7	2.64	18.6	2.95
		23	9.45	1.56	11.3	1.82	13.1	2.09	14.0	2.24	14.9	2.38	16.7	2.69	18.6	3.02
		25	9.45	1.58	11.3	1.85	13.1	2.13	14.0	2.28	14.9	2.46	16.7	2.82	18.6	3.22
		27	9.45	1.60	11.3	1.91	13.1	2.25	14.0	2.43	14.9	2.61	16.7	3.01	18.6	3.43
		29	9.45	1.70	11.3	2.03	13.1	2.38	14.0	2.58	14.9	2.77	16.7	3.20	18.6	3.65
		31	9.45	1.79	11.3	2.14	13.1	2.53	14.0	2.73	14.9	2.95	16.7	3.40	18.6	3.88
		33	9.45	1.89	11.3	2.27	13.1	2.68	14.0	2.90	14.9	3.13	16.7	3.61	18.6	4.13
		35	9.45	2.00	11.3	2.40	13.1	2.84	14.0	3.07	14.9	3.31	16.7	3.83	18.6	4.39
		37	9.45	2.11	11.3	2.53	13.1	3.00	14.0	3.25	14.9	3.51	16.7	4.07	18.6	4.66
		39	9.45	2.22	11.3	2.68	13.1	3.18	14.0	3.44	14.9	3.72	16.7	4.31	18.6	4.95

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4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ14PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	455 (52.00)	10	35.1	5.80	41.9	7.10	48.6	8.45	50.4	8.62	51.0	8.45	52.3	8.09	53.5	7.73
		12	35.1	5.91	41.9	7.24	48.6	8.61	49.7	8.58	50.4	8.40	51.6	8.04	52.9	7.91
		14	35.1	6.02	41.9	7.37	48.4	8.72	49.1	8.54	49.7	8.35	51.0	8.29	52.2	8.36
		16	35.1	6.14	41.9	7.52	47.8	8.67	48.4	8.61	49.1	8.65	50.3	8.73	51.6	8.82
		18	35.1	6.26	41.9	7.67	47.1	9.01	47.8	9.05	48.4	9.09	49.7	9.18	50.9	9.27
		20	35.1	6.38	41.9	8.17	46.5	9.44	47.1	9.49	47.8	9.54	49.0	9.63	50.3	9.73
		21	35.1	6.56	41.9	8.46	46.2	9.66	46.8	9.71	47.4	9.76	48.7	9.86	50.0	9.95
		23	35.1	7.02	41.9	9.07	45.5	10.1	46.2	10.2	46.8	10.2	48.0	10.3	49.3	10.4
		25	35.1	7.51	41.9	9.7	44.9	10.5	45.5	10.6	46.1	10.7	47.4	10.8	48.7	10.9
		27	35.1	8.02	41.9	10.4	44.2	11.0	44.8	11.0	45.5	11.1	46.7	11.2	48.0	11.3
		29	35.1	8.56	41.9	11.1	43.6	11.4	44.2	11.5	44.8	11.6	46.1	11.7	47.4	11.8
		31	35.1	9.13	41.6	11.8	42.9	11.9	43.5	11.9	44.2	12.0	45.4	12.1	46.7	12.3
		33	35.1	9.73	41.0	12.2	42.3	12.3	42.9	12.4	43.5	12.5	44.8	12.6	46.1	12.7
		35	35.1	10.4	40.3	12.6	41.6	12.8	42.2	12.9	42.9	12.9	44.1	13.1	45.4	13.2
		37	35.1	11.0	39.7	13.1	41.0	13.2	41.6	13.3	42.2	13.4	43.5	13.5	44.8	13.7
		39	35.1	11.8	39.0	13.5	40.3	13.7	40.9	13.8	41.6	13.9	42.8	14.0	44.1	14.2
120%	420 (48.00)	10	32.4	5.30	38.6	6.48	44.9	7.70	48.0	8.32	50.2	8.67	51.4	8.35	52.6	8.02
		12	32.4	5.40	38.6	6.60	44.9	7.84	48.0	8.48	49.6	8.63	50.7	8.30	51.9	7.96
		14	32.4	5.50	38.6	6.72	44.9	8.00	48.0	8.64	48.9	8.58	50.1	8.25	51.3	8.30
		16	32.4	5.60	38.6	6.85	44.9	8.15	47.7	8.71	48.3	8.60	49.4	8.68	50.6	8.75
		18	32.4	5.71	38.6	6.99	44.9	8.43	47.0	9.00	47.6	9.04	48.8	9.12	49.9	9.20
		20	32.4	5.82	38.6	7.27	44.9	9.06	46.4	9.44	47.0	9.48	48.1	9.57	49.3	9.65
		21	32.4	5.88	38.6	7.52	44.9	9.39	46.1	9.65	46.6	9.70	47.8	9.79	49.0	9.88
		23	32.4	6.28	38.6	8.06	44.8	10.0	45.4	10.1	46.0	10.1	47.2	10.2	48.3	10.3
		25	32.4	6.71	38.6	8.63	44.2	10.5	44.8	10.5	45.3	10.6	46.5	10.7	47.7	10.8
		27	32.4	7.17	38.6	9.22	43.5	10.9	44.1	11.0	44.7	11.0	45.9	11.1	47.0	11.2
		29	32.4	7.64	38.6	9.85	42.9	11.4	43.4	11.4	44.0	11.5	45.2	11.6	46.4	11.7
		31	32.4	8.15	38.6	10.5	42.2	11.8	42.8	11.9	43.4	11.9	44.6	12.1	45.7	12.2
		33	32.4	8.68	38.6	11.2	41.6	12.3	42.1	12.3	42.7	12.4	43.9	12.5	45.1	12.6
		35	32.4	9.24	38.6	12.0	40.9	12.7	41.5	12.8	42.1	12.8	43.3	13.0	44.4	13.1
		37	32.4	9.83	38.6	12.7	40.3	13.2	40.8	13.2	41.4	13.3	42.6	13.4	43.8	13.6
		39	32.4	10.5	38.4	13.5	39.6	13.6	40.2	13.7	40.8	13.8	41.9	13.9	43.1	14.1
110%	385 (44.00)	10	29.7	4.81	35.4	5.86	41.1	6.96	44.0	7.52	46.9	8.10	50.5	8.59	51.6	8.30
		12	29.7	4.90	35.4	5.97	41.1	7.09	44.0	7.67	46.9	8.25	49.8	8.55	50.9	8.25
		14	29.7	4.99	35.4	6.08	41.1	7.23	44.0	7.81	46.9	8.41	49.2	8.50	50.3	8.24
		16	29.7	5.08	35.4	6.20	41.1	7.37	44.0	7.97	46.9	8.57	48.5	8.62	49.6	8.69
		18	29.7	5.18	35.4	6.32	41.1	7.52	44.0	8.19	46.8	8.98	47.9	9.06	49.0	9.13
		20	29.7	5.28	35.4	6.45	41.1	7.96	44.0	8.80	46.2	9.42	47.2	9.50	48.3	9.58
		21	29.7	5.33	35.4	6.65	41.1	8.25	44.0	9.12	45.8	9.64	46.9	9.72	48.0	9.80
		23	29.7	5.58	35.4	7.12	41.1	8.84	44.0	9.78	45.2	10.1	46.3	10.2	47.3	10.3
		25	29.7	5.96	35.4	7.61	41.1	9.47	44.0	10.5	44.5	10.5	45.6	10.6	46.7	10.7
		27	29.7	6.36	35.4	8.13	41.1	10.1	43.4	10.9	43.9	11.0	45.0	11.1	46.0	11.2
		29	29.7	6.78	35.4	8.68	41.1	10.8	42.7	11.4	43.2	11.4	44.3	11.5	45.4	11.6
		31	29.7	7.22	35.4	9.25	41.1	11.6	42.1	11.8	42.6	11.9	43.7	12.0	44.7	12.1
		33	29.7	7.68	35.4	9.86	40.9	12.2	41.4	12.2	41.9	12.3	43.0	12.4	44.1	12.5
		35	29.7	8.17	35.4	10.5	40.2	12.6	40.7	12.7	41.3	12.7	42.4	12.9	43.4	13.0
		37	29.7	8.69	35.4	11.2	39.6	13.1	40.1	13.1	40.6	13.2	41.7	13.3	42.8	13.5
		39	29.7	9.24	35.4	11.9	38.9	13.5	39.4	13.6	40.0	13.7	41.1	13.8	42.1	13.9
100%	350 (40.00)	10	27.0	4.34	32.2	5.27	37.4	6.24	40.0	6.74	42.6	7.25	47.8	8.28	50.6	8.57
		12	27.0	4.42	32.2	5.36	37.4	6.35	40.0	6.87	42.6	7.39	47.8	8.44	49.9	8.53
		14	27.0	4.50	32.2	5.46	37.4	6.48	40.0	7.00	42.6	7.53	47.8	8.60	49.3	8.48
		16	27.0	4.58	32.2	5.56	37.4	6.60	40.0	7.13	42.6	7.67	47.6	8.72	48.6	8.62
		18	27.0	4.66	32.2	5.67	37.4	6.73	40.0	7.28	42.6	7.83	47.0	9.00	48.0	9.06
		20	27.0	4.75	32.2	5.78	37.4	6.93	40.0	7.64	42.6	8.38	46.3	9.43	47.3	9.51
		21	27.0	4.80	32.2	5.84	37.4	7.18	40.0	7.91	42.6	8.69	46.0	9.65	47.0	9.73
		23	27.0	4.92	32.2	6.23	37.4	7.69	40.0	8.48	42.6	9.31	45.4	10.1	46.3	10.2
		25	27.0	5.25	32.2	6.66	37.4	8.23	40.0	9.08	42.6	9.97	44.7	10.5	45.7	10.6
		27	27.0	5.60	32.2	7.10	37.4	8.79	40.0	9.71	42.6	10.7	44.1	11.0	45.0	11.1
		29	27.0	5.96	32.2	7.58	37.4	9.39	40.0	10.4	42.4	11.3	43.4	11.4	44.4	11.5
		31	27.0	6.35	32.2	8.08	37.4	10.02	40.0	11.1	41.8	11.8	42.8	11.9	43.7	12.0
		33	27.0	6.75	32.2	8.60	37.4	10.7	40.0	11.8	41.1	12.2	42.1	12.3	43.1	12.4
		35	27.0	7.17	32.2	9.16	37.4	11.4	40.0	12.6	40.5	12.7	41.5	12.8	42.4	12.9
		37	27.0	7.62	32.2	9.74	37.4	12.1	39.4	13.0	39.8	13.1	40.8	13.2	41.8	13.3
		39	27.0	8.09	32.2	10.4	37.4	12.9	38.7	13.5	39.2	13.6	40.2	13.7	41.1	13.8

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NOTES

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

4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ14PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CwB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	315 (36.00)	10	24.3	3.89	29.0	4.69	33.7	5.53	36.0	5.97	38.3	6.42	43.0	7.33	47.7	8.26
		12	24.3	3.95	29.0	4.77	33.7	5.64	36.0	6.08	38.3	6.54	43.0	7.47	47.7	8.42
		14	24.3	4.02	29.0	4.86	33.7	5.74	36.0	6.20	38.3	6.66	43.0	7.61	47.7	8.58
		16	24.3	4.09	29.0	4.95	33.7	5.85	36.0	6.32	38.3	6.79	43.0	7.76	47.6	8.72
		18	24.3	4.16	29.0	5.04	33.7	5.96	36.0	6.44	38.3	6.93	43.0	7.92	47.0	8.99
		20	24.3	4.24	29.0	5.14	33.7	6.08	36.0	6.57	38.3	7.19	43.0	8.51	46.3	9.43
		21	24.3	4.28	29.0	5.19	33.7	6.19	36.0	6.80	38.3	7.44	43.0	8.81	46.0	9.65
		23	24.3	4.36	29.0	5.40	33.7	6.62	36.0	7.28	38.3	7.97	43.0	9.45	45.3	10.1
		25	24.3	4.59	29.0	5.77	33.7	7.08	36.0	7.79	38.3	8.53	43.0	10.1	44.7	10.5
		27	24.3	4.89	29.0	6.15	33.7	7.56	36.0	8.32	38.3	9.12	43.0	10.8	44.0	11.0
		29	24.3	5.20	29.0	6.56	33.7	8.07	36.0	8.88	38.3	9.74	42.5	11.3	43.4	11.4
		31	24.3	5.53	29.0	6.98	33.7	8.60	36.0	9.48	38.3	10.4	41.9	11.8	42.7	11.9
		33	24.3	5.88	29.0	7.43	33.7	9.16	36.0	10.1	38.3	11.1	41.2	12.2	42.1	12.3
		35	24.3	6.24	29.0	7.90	33.7	9.76	36.0	10.8	38.3	11.8	40.6	12.7	41.4	12.8
		37	24.3	6.62	29.0	8.40	33.7	10.4	36.0	11.5	38.3	12.6	39.9	13.1	40.8	13.2
		39	24.3	7.03	29.0	8.92	33.7	11.1	36.0	12.2	38.3	13.4	39.3	13.6	40.1	13.7
80%	280 (32.00)	10	21.6	3.45	25.8	4.13	29.9	4.85	32.0	5.23	34.1	5.61	38.2	6.40	42.4	7.21
		12	21.6	3.51	25.8	4.20	29.9	4.94	32.0	5.32	34.1	5.72	38.2	6.52	42.4	7.35
		14	21.6	3.56	25.8	4.28	29.9	5.03	32.0	5.42	34.1	5.82	38.2	6.64	42.4	7.49
		16	21.6	3.62	25.8	4.35	29.9	5.13	32.0	5.53	34.1	5.93	38.2	6.77	42.4	7.63
		18	21.6	3.69	25.8	4.43	29.9	5.22	32.0	5.63	34.1	6.05	38.2	6.91	42.4	7.78
		20	21.6	3.75	25.8	4.52	29.9	5.32	32.0	5.74	34.1	6.17	38.2	7.16	42.4	8.33
		21	21.6	3.79	25.8	4.56	29.9	5.38	32.0	5.80	34.1	6.30	38.2	7.41	42.4	8.63
		23	21.6	3.86	25.8	4.65	29.9	5.64	32.0	6.18	34.1	6.74	38.2	7.94	42.4	9.25
		25	21.6	3.98	25.8	4.95	29.9	6.02	32.0	6.60	34.1	7.21	38.2	8.50	42.4	9.90
		27	21.6	4.23	25.8	5.27	29.9	6.42	32.0	7.04	34.1	7.70	38.2	9.09	42.4	10.6
		29	21.6	4.50	25.8	5.61	29.9	6.85	32.0	7.51	34.1	8.21	38.2	9.70	42.4	11.3
		31	21.6	4.78	25.8	5.97	29.9	7.29	32.0	8.01	34.1	8.76	38.2	10.4	41.8	11.8
		33	21.6	5.07	25.8	6.34	29.9	7.76	32.0	8.53	34.1	9.33	38.2	11.0	41.1	12.2
		35	21.6	5.38	25.8	6.74	29.9	8.26	32.0	9.08	34.1	9.94	38.2	11.8	40.5	12.7
		37	21.6	5.70	25.8	7.15	29.9	8.78	32.0	9.66	34.1	10.6	38.2	12.5	39.8	13.1
		39	21.6	6.04	25.8	7.59	29.9	9.33	32.0	10.27	34.1	11.3	38.2	13.4	39.1	13.5
70%	245 (28.00)	10	18.9	3.03	22.5	3.60	26.2	4.20	28.0	4.52	29.8	4.84	33.5	5.50	37.1	6.18
		12	18.9	3.08	22.5	3.66	26.2	4.28	28.0	4.60	29.8	4.92	33.5	5.60	37.1	6.30
		14	18.9	3.13	22.5	3.72	26.2	4.35	28.0	4.68	29.8	5.01	33.5	5.70	37.1	6.42
		16	18.9	3.18	22.5	3.78	26.2	4.43	28.0	4.76	29.8	5.11	33.5	5.81	37.1	6.54
		18	18.9	3.23	22.5	3.85	26.2	4.51	28.0	4.85	29.8	5.20	33.5	5.93	37.1	6.67
		20	18.9	3.28	22.5	3.92	26.2	4.60	28.0	4.95	29.8	5.30	33.5	6.04	37.1	6.86
		21	18.9	3.31	22.5	3.96	26.2	4.64	28.0	4.99	29.8	5.36	33.5	6.14	37.1	7.10
		23	18.9	3.37	22.5	4.03	26.2	4.73	28.0	5.16	29.8	5.61	33.5	6.57	37.1	7.60
		25	18.9	3.43	22.5	4.19	26.2	5.05	28.0	5.51	29.8	5.99	33.5	7.02	37.1	8.13
		27	18.9	3.63	22.5	4.46	26.2	5.38	28.0	5.88	29.8	6.39	33.5	7.50	37.1	8.69
		29	18.9	3.85	22.5	4.74	26.2	5.73	28.0	6.26	29.8	6.82	33.5	8.00	37.1	9.28
		31	18.9	4.08	22.5	5.03	26.2	6.09	28.0	6.66	29.8	7.26	33.5	8.53	37.1	9.90
		33	18.9	4.32	22.5	5.34	26.2	6.48	28.0	7.09	29.8	7.73	33.5	9.09	37.1	10.6
		35	18.9	4.58	22.5	5.67	26.2	6.88	28.0	7.54	29.8	8.22	33.5	9.68	37.1	11.3
		37	18.9	4.85	22.5	6.01	26.2	7.31	28.0	8.01	29.8	8.74	33.5	10.3	37.1	12.0
		39	18.9	5.13	22.5	6.38	26.2	7.76	28.0	8.51	29.8	9.29	33.5	11.0	37.1	12.8
60%	210 (24.00)	10	16.2	2.64	19.3	3.10	22.4	3.58	24.0	3.84	25.6	4.10	28.7	4.64	31.8	5.19
		12	16.2	2.68	19.3	3.14	22.4	3.64	24.0	3.90	25.6	4.17	28.7	4.72	31.8	5.29
		14	16.2	2.72	19.3	3.19	22.4	3.70	24.0	3.97	25.6	4.24	28.7	4.80	31.8	5.39
		16	16.2	2.76	19.3	3.25	22.4	3.77	24.0	4.04	25.6	4.32	28.7	4.89	31.8	5.49
		18	16.2	2.80	19.3	3.30	22.4	3.83	24.0	4.11	25.6	4.40	28.7	4.98	31.8	5.59
		20	16.2	2.84	19.3	3.36	22.4	3.90	24.0	4.19	25.6	4.48	28.7	5.08	31.8	5.70
		21	16.2	2.86	19.3	3.38	22.4	3.94	24.0	4.23	25.6	4.52	28.7	5.13	31.8	5.76
		23	16.2	2.91	19.3	3.44	22.4	4.01	24.0	4.31	25.6	4.61	28.7	5.33	31.8	6.12
		25	16.2	2.96	19.3	3.51	22.4	4.17	24.0	4.53	25.6	4.90	28.7	5.69	31.8	6.54
		27	16.2	3.07	19.3	3.72	22.4	4.43	24.0	4.82	25.6	5.22	28.7	6.07	31.8	6.98
		29	16.2	3.25	19.3	3.95	22.4	4.71	24.0	5.13	25.6	5.55	28.7	6.47	31.8	7.45
		31	16.2	3.44	19.3	4.19	22.4	5.01	24.0	5.45	25.6	5.91	28.7	6.88	31.8	7.94
		33	16.2	3.64	19.3	4.44	22.4	5.32	24.0	5.79	25.6	6.28	28.7	7.32	31.8	8.45
		35	16.2	3.85	19.3	4.70	22.4	5.64	24.0	6.14	25.6	6.67	28.7	7.79	31.8	9.00
		37	16.2	4.07	19.3	4.98	22.4	5.98	24.0	6.52	25.6	7.08	28.7	8.28	31.8	9.57
		39	16.2	4.30	19.3	5.27	22.4	6.34	24.0	6.92	25.6	7.52	28.7	8.80	31.8	10.2
50%	175 (20.00)	10	13.5	2.27	16.1	2.62	18.7	3.00	20.0	3.20	21.3	3.40	23.9	3.82	26.5	4.26
		12	13.5	2.30	16.1	2.66	18.7	3.05	20.0	3.25	21.3	3.46	23.9	3.89	26.5	4.33
		14	13.5	2.33	16.1	2.70	18.7	3.10	20.0	3.30	21.3	3.51	23.9	3.95	26.5	4.41
		16	13.5	2.36	16.1	2.74	18.7	3.15	20.0	3.36	21.3	3.57	23.9	4.02	26.5	4.49
		18	13.5	2.39	16.1	2.78	18.7	3.20	20.0	3.41	21.3	3.64	23.9	4.09	26.5	4.57
		20	13.5	2.43	16.1	2.83	18.7	3.25	20.0	3.47	21.3	3.70	23.9	4.17	26.5	4.66
		21	13.5	2.44	16.1	2.85	18.7	3.28	20.0	3.50	21.3	3.73	23.9	4.21	26.5	4.70
		23	13.5	2.48	16.1	2.90	18.7	3.34	20.0	3.57	21.3	3.80	23.9	4.29	26.5	4.81
		25	13.5	2.52	16.1	2.94	18.7	3.40	20.0	3.64	21.3	3.92	23.9	4.50	26.5	5.13
		27	13.5	2.56	16.1	3.05	18.7	3.58	20.0	3.87	21.3	4.17	23.9	4.79	26.5	5.47
		29	13.5	2.71	16.1	3.23	18.7	3.80	20.0	4.11	21.3	4.43	23.9	5.10	26.5	5.82
		31	13.5	2.86	16.1	3.42	18.7	4.03	20.0	4.36	21.3	4.70	23.9	5.42	26.5	6.19
		33	13.5	3.02	16.1	3.62	18.7	4.27	20.0	4.62	21.3	4.99	23.9	5.76	26.5	6.58
		35	13.5	3.19	16.1	3.82	18.7	4.52	20.0	4.90	21.3	5.29	23.9	6.11	26.5	7.00
		37	13.5	3.36	16.1	4.04	18.7	4.79	20.0	5.19	21.3	5.60	23.9	6.48	26.5	7.43
		39	13.5	3.54	16.1	4.27	18.7	5.07	20.0	5.49	21.3	5.94	23.9	6.88	26.5	7.89

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4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ16PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	520 (58.50)	10	39.5	6.86	47.1	8.40	54.7	10.0	56.7	10.2	57.4	10.0	58.8	9.57	60.2	9.14
		12	39.5	6.99	47.1	8.56	54.7	10.2	55.9	10.1	56.7	9.9	58.1	9.51	59.5	9.36
		14	39.5	7.12	47.1	8.72	54.5	10.3	55.2	10.1	55.9	9.88	57.3	9.80	58.8	9.9
		16	39.5	7.26	47.1	8.89	53.8	10.3	54.5	10.2	55.2	10.2	56.6	10.3	58.0	10.4
		18	39.5	7.40	47.1	9.07	53.0	10.7	53.7	10.7	54.5	10.8	55.9	10.9	57.3	11.0
		20	39.5	7.55	47.1	9.66	52.3	11.2	53.0	11.2	53.7	11.3	55.2	11.4	56.6	11.5
		21	39.5	7.76	47.1	10.0	51.9	11.4	52.7	11.5	53.4	11.5	54.8	11.7	56.2	11.8
		23	39.5	8.31	47.1	10.7	51.2	11.9	51.9	12.0	52.6	12.1	54.1	12.2	55.5	12.3
		25	39.5	8.88	47.1	11.5	50.5	12.5	51.2	12.5	51.9	12.6	53.3	12.7	54.7	12.9
		27	39.5	9.49	47.1	12.3	49.7	13.0	50.5	13.1	51.2	13.1	52.6	13.3	54.0	13.4
		29	39.5	10.1	47.1	13.1	49.0	13.5	49.7	13.6	50.4	13.7	51.9	13.8	53.3	14.0
		31	39.5	10.8	46.9	13.9	48.3	14.1	49.0	14.1	49.7	14.2	51.1	14.4	52.6	14.5
		33	39.5	11.5	46.1	14.4	47.5	14.6	48.3	14.7	49.0	14.7	50.4	14.9	51.8	15.1
		35	39.5	12.3	45.4	14.9	46.8	15.1	47.5	15.2	48.2	15.3	49.7	15.5	51.1	15.6
		37	39.5	13.1	44.7	15.5	46.1	15.7	46.8	15.7	47.5	15.8	48.9	16.0	50.4	16.2
		39	39.5	13.9	43.9	16.0	45.4	16.2	46.1	16.3	46.8	16.4	48.2	16.6	49.6	16.8
120%	480 (54.00)	10	36.4	6.27	43.5	7.66	50.5	9.10	54.0	9.84	56.5	10.3	57.8	9.87	59.1	9.48
		12	36.4	6.38	43.5	7.80	50.5	9.28	54.0	10.0	55.8	10.2	57.1	9.81	58.4	9.41
		14	36.4	6.50	43.5	7.95	50.5	9.45	54.0	10.2	55.0	10.2	56.3	9.75	57.7	9.82
		16	36.4	6.63	43.5	8.10	50.5	9.64	53.6	10.3	54.3	10.2	55.6	10.3	56.9	10.4
		18	36.4	6.75	43.5	8.26	50.5	10.0	52.9	10.6	53.6	10.7	54.9	10.8	56.2	10.9
		20	36.4	6.89	43.5	8.59	50.5	10.7	52.2	11.2	52.8	11.2	54.1	11.3	55.5	11.4
		21	36.4	6.96	43.5	8.90	50.5	11.1	51.8	11.4	52.5	11.5	53.8	11.6	55.1	11.7
		23	36.4	7.43	43.5	9.53	50.4	11.9	51.1	11.9	51.7	12.0	53.0	12.1	54.4	12.2
		25	36.4	7.94	43.5	10.2	49.7	12.4	50.3	12.5	51.0	12.5	52.3	12.6	53.6	12.8
		27	36.4	8.47	43.5	10.9	49.0	12.9	49.6	13.0	50.3	13.0	51.6	13.2	52.9	13.3
		29	36.4	9.04	43.5	11.7	48.2	13.4	48.9	13.5	49.5	13.6	50.9	13.7	52.2	13.8
		31	36.4	9.63	43.5	12.4	47.5	14.0	48.1	14.0	48.8	14.1	50.1	14.3	51.4	14.4
		33	36.4	10.3	43.5	13.3	46.8	14.5	47.4	14.6	48.1	14.6	49.4	14.8	50.7	14.9
		35	36.4	10.9	43.5	14.1	46.0	15.0	46.7	15.1	47.3	15.2	48.7	15.3	50.0	15.5
		37	36.4	11.6	43.5	15.1	45.3	15.6	46.0	15.6	46.6	15.7	47.9	15.9	49.2	16.1
		39	36.4	12.4	43.2	15.9	44.6	16.1	45.2	16.2	45.9	16.3	47.2	16.4	48.5	16.6
110%	440 (49.50)	10	33.4	5.69	39.8	6.93	46.3	8.23	49.5	8.90	52.7	9.57	56.8	10.2	58.0	9.81
		12	33.4	5.79	39.8	7.06	46.3	8.39	49.5	9.07	52.7	9.75	56.1	10.1	57.3	9.75
		14	33.4	5.90	39.8	7.19	46.3	8.55	49.5	9.24	52.7	9.9	55.3	10.1	56.5	9.75
		16	33.4	6.01	39.8	7.33	46.3	8.71	49.5	9.42	52.7	10.1	54.6	10.2	55.8	10.3
		18	33.4	6.12	39.8	7.48	46.3	8.89	49.5	9.68	52.7	10.6	53.9	10.7	55.1	10.8
		20	33.4	6.24	39.8	7.63	46.3	9.42	49.5	10.4	51.9	11.1	53.1	11.2	54.3	11.3
		21	33.4	6.30	39.8	7.86	46.3	9.75	49.5	10.8	51.6	11.4	52.8	11.5	54.0	11.6
		23	33.4	6.60	39.8	8.41	46.3	10.5	49.5	11.6	50.8	11.9	52.0	12.0	53.2	12.1
		25	33.4	7.05	39.8	9.00	46.3	11.2	49.5	12.4	50.1	12.4	51.3	12.5	52.5	12.7
		27	33.4	7.52	39.8	9.61	46.3	12.0	48.8	12.9	49.4	13.0	50.6	13.1	51.8	13.2
		29	33.4	8.01	39.8	10.3	46.3	12.8	48.0	13.4	48.6	13.5	49.8	13.6	51.1	13.7
		31	33.4	8.53	39.8	10.9	46.3	13.7	47.3	13.9	47.9	14.0	49.1	14.1	50.3	14.3
		33	33.4	9.08	39.8	11.7	46.0	14.4	46.6	14.5	47.2	14.5	48.4	14.7	49.6	14.8
		35	33.4	9.66	39.8	12.4	45.2	14.9	45.8	15.0	46.4	15.1	47.6	15.2	48.9	15.4
		37	33.4	10.3	39.8	13.2	44.5	15.5	45.1	15.5	45.7	15.6	46.9	15.8	48.1	15.9
		39	33.4	10.9	39.8	14.1	43.8	16.0	44.4	16.1	45.0	16.1	46.2	16.3	47.4	16.5
100%	400 (45.00)	10	30.4	5.13	36.2	6.23	42.1	7.38	45.0	7.97	47.9	8.57	53.8	9.80	56.9	10.1
		12	30.4	5.22	36.2	6.34	42.1	7.51	45.0	8.12	47.9	8.73	53.8	10.0	56.2	10.1
		14	30.4	5.32	36.2	6.46	42.1	7.66	45.0	8.27	47.9	8.90	53.8	10.2	55.4	10.0
		16	30.4	5.41	36.2	6.58	42.1	7.81	45.0	8.44	47.9	9.07	53.6	10.3	54.7	10.2
		18	30.4	5.51	36.2	6.71	42.1	7.96	45.0	8.60	47.9	9.25	52.9	10.6	54.0	10.7
		20	30.4	5.62	36.2	6.84	42.1	8.20	45.0	9.04	47.9	9.9	52.1	11.2	53.2	11.2
		21	30.4	5.67	36.2	6.91	42.1	8.49	45.0	9.36	47.9	10.3	51.8	11.4	52.9	11.5
		23	30.4	5.82	36.2	7.37	42.1	9.10	45.0	10.0	47.9	11.0	51.0	11.9	52.1	12.0
		25	30.4	6.21	36.2	7.87	42.1	9.73	45.0	10.7	47.9	11.8	50.3	12.5	51.4	12.6
		27	30.4	6.62	36.2	8.40	42.1	10.4	45.0	11.5	47.9	12.6	49.6	13.0	50.7	13.1
		29	30.4	7.05	36.2	8.96	42.1	11.1	45.0	12.3	47.7	13.4	48.8	13.5	49.9	13.6
		31	30.4	7.50	36.2	9.55	42.1	11.9	45.0	13.1	47.0	13.9	48.1	14.0	49.2	14.2
		33	30.4	7.98	36.2	10.2	42.1	12.6	45.0	14.0	46.3	14.4	47.4	14.6	48.5	14.7
		35	30.4	8.48	36.2	10.8	42.1	13.5	45.0	14.9	45.5	15.0	46.6	15.1	47.7	15.2
		37	30.4	9.01	36.2	11.5	42.1	14.4	44.3	15.4	44.8	15.5	45.9	15.6	47.0	15.8
		39	30.4	9.6	36.2	12.3	42.1	15.3	43.5	16.0	44.1	16.0	45.2	16.2	46.3	16.3

CC08A004

NOTES

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

4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ16PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	360 (40.50)	10	27.3	4.60	32.6	5.54	37.9	6.54	40.5	7.06	43.1	7.59	48.4	8.67	53.7	9.77
		12	27.3	4.67	32.6	5.64	37.9	6.66	40.5	7.19	43.1	7.73	48.4	8.83	53.7	10.0
		14	27.3	4.75	32.6	5.74	37.9	6.79	40.5	7.33	43.1	7.88	48.4	9.00	53.7	10.1
		16	27.3	4.84	32.6	5.85	37.9	6.92	40.5	7.47	43.1	8.03	48.4	9.18	53.6	10.3
		18	27.3	4.93	32.6	5.96	37.9	7.05	40.5	7.62	43.1	8.19	48.4	9.36	52.8	10.6
		20	27.3	5.02	32.6	6.08	37.9	7.19	40.5	7.77	43.1	8.50	48.4	10.1	52.1	11.2
		21	27.3	5.06	32.6	6.14	37.9	7.32	40.5	8.04	43.1	8.80	48.4	10.4	51.7	11.4
		23	27.3	5.16	32.6	6.39	37.9	7.83	40.5	8.61	43.1	9.43	48.4	11.2	51.0	11.9
		25	27.3	5.43	32.6	6.82	37.9	8.37	40.5	9.21	43.1	10.1	48.4	12.0	50.3	12.5
		27	27.3	5.79	32.6	7.27	37.9	8.94	40.5	9.84	43.1	10.8	48.4	12.8	49.6	13.0
		29	27.3	6.16	32.6	7.75	37.9	9.54	40.5	10.5	43.1	11.5	47.8	13.4	48.8	13.5
		31	27.3	6.54	32.6	8.25	37.9	10.2	40.5	11.2	43.1	12.3	47.1	13.9	48.1	14.0
		33	27.3	6.95	32.6	8.78	37.9	10.8	40.5	11.9	43.1	13.1	46.4	14.5	47.4	14.6
		35	27.3	7.38	32.6	9.34	37.9	11.5	40.5	12.7	43.1	14.0	45.6	15.0	46.6	15.1
		37	27.3	7.83	32.6	9.9	37.9	12.3	40.5	13.6	43.1	14.9	44.9	15.5	45.9	15.6
		39	27.3	8.31	32.6	10.6	37.9	13.1	40.5	14.4	43.1	15.9	44.2	16.0	45.2	16.2
80%	320 (36.00)	10	24.3	4.08	29.0	4.89	33.7	5.74	36.0	6.18	38.3	6.64	43.0	7.57	47.7	8.53
		12	24.3	4.15	29.0	4.97	33.7	5.84	36.0	6.30	38.3	6.76	43.0	7.71	47.7	8.69
		14	24.3	4.21	29.0	5.06	33.7	5.95	36.0	6.41	38.3	6.89	43.0	7.86	47.7	8.85
		16	24.3	4.29	29.0	5.15	33.7	6.06	36.0	6.53	38.3	7.02	43.0	8.01	47.7	9.03
		18	24.3	4.36	29.0	5.24	33.7	6.18	36.0	6.66	38.3	7.15	43.0	8.17	47.7	9.21
		20	24.3	4.44	29.0	5.34	33.7	6.30	36.0	6.79	38.3	7.30	43.0	8.47	47.7	9.85
		21	24.3	4.48	29.0	5.39	33.7	6.36	36.0	6.86	38.3	7.45	43.0	8.77	47.7	10.2
		23	24.3	4.56	29.0	5.50	33.7	6.67	36.0	7.30	38.3	7.97	43.0	9.39	47.7	10.9
		25	24.3	4.71	29.0	5.85	33.7	7.12	36.0	7.80	38.3	8.52	43.0	10.1	47.7	11.7
		27	24.3	5.01	29.0	6.23	33.7	7.60	36.0	8.33	38.3	9.10	43.0	10.7	47.7	12.5
		29	24.3	5.32	29.0	6.63	33.7	8.10	36.0	8.88	38.3	9.71	43.0	11.5	47.7	13.4
		31	24.3	5.65	29.0	7.06	33.7	8.62	36.0	9.47	38.3	10.4	43.0	12.2	47.0	13.9
		33	24.3	6.00	29.0	7.50	33.7	9.18	36.0	10.1	38.3	11.0	43.0	13.1	46.2	14.4
		35	24.3	6.36	29.0	7.97	33.7	9.76	36.0	10.7	38.3	11.8	43.0	13.9	45.5	15.0
		37	24.3	6.74	29.0	8.46	33.7	10.4	36.0	11.4	38.3	12.5	43.0	14.8	44.8	15.5
		39	24.3	7.14	29.0	8.98	33.7	11.0	36.0	12.1	38.3	13.3	43.0	15.8	44.0	16.0
70%	280 (31.50)	10	21.3	3.59	25.4	4.26	29.5	4.97	31.5	5.34	33.5	5.72	37.6	6.50	41.7	7.31
		12	21.3	3.64	25.4	4.33	29.5	5.06	31.5	5.43	33.5	5.82	37.6	6.62	41.7	7.45
		14	21.3	3.70	25.4	4.40	29.5	5.14	31.5	5.53	33.5	5.93	37.6	6.74	41.7	7.59
		16	21.3	3.76	25.4	4.48	29.5	5.24	31.5	5.63	33.5	6.04	37.6	6.87	41.7	7.73
		18	21.3	3.82	25.4	4.55	29.5	5.33	31.5	5.74	33.5	6.15	37.6	7.01	41.7	7.89
		20	21.3	3.88	25.4	4.64	29.5	5.43	31.5	5.85	33.5	6.27	37.6	7.15	41.7	8.11
		21	21.3	3.92	25.4	4.68	29.5	5.49	31.5	5.91	33.5	6.33	37.6	7.26	41.7	8.39
		23	21.3	3.99	25.4	4.77	29.5	5.60	31.5	6.11	33.5	6.64	37.6	7.77	41.7	8.99
		25	21.3	4.06	25.4	4.95	29.5	5.97	31.5	6.52	33.5	7.09	37.6	8.30	41.7	9.62
		27	21.3	4.29	25.4	5.27	29.5	6.36	31.5	6.95	33.5	7.56	37.6	8.87	41.7	10.3
		29	21.3	4.55	25.4	5.60	29.5	6.77	31.5	7.40	33.5	8.06	37.6	9.46	41.7	11.0
		31	21.3	4.83	25.4	5.95	29.5	7.21	31.5	7.88	33.5	8.58	37.6	10.1	41.7	11.7
		33	21.3	5.11	25.4	6.32	29.5	7.66	31.5	8.38	33.5	9.14	37.6	10.7	41.7	12.5
		35	21.3	5.42	25.4	6.71	29.5	8.14	31.5	8.91	33.5	9.72	37.6	11.4	41.7	13.3
		37	21.3	5.73	25.4	7.11	29.5	8.65	31.5	9.47	33.5	10.3	37.6	12.2	41.7	14.2
		39	21.3	6.07	25.4	7.54	29.5	9.18	31.5	10.1	33.5	11.0	37.6	13.0	41.7	15.1
60%	240 (27.00)	10	18.2	3.12	21.7	3.66	25.2	4.24	27.0	4.54	28.8	4.85	32.3	5.48	35.8	6.14
		12	18.2	3.16	21.7	3.72	25.2	4.31	27.0	4.61	28.8	4.93	32.3	5.58	35.8	6.25
		14	18.2	3.21	21.7	3.78	25.2	4.38	27.0	4.69	28.8	5.02	32.3	5.68	35.8	6.37
		16	18.2	3.26	21.7	3.84	25.2	4.46	27.0	4.78	28.8	5.11	32.3	5.78	35.8	6.49
		18	18.2	3.31	21.7	3.90	25.2	4.53	27.0	4.86	28.8	5.20	32.3	5.89	35.8	6.61
		20	18.2	3.36	21.7	3.97	25.2	4.61	27.0	4.95	28.8	5.30	32.3	6.01	35.8	6.74
		21	18.2	3.39	21.7	4.00	25.2	4.66	27.0	5.00	28.8	5.35	32.3	6.07	35.8	6.81
		23	18.2	3.44	21.7	4.07	25.2	4.74	27.0	5.09	28.8	5.45	32.3	6.30	35.8	7.24
		25	18.2	3.50	21.7	4.15	25.2	4.93	27.0	5.35	28.8	5.79	32.3	6.73	35.8	7.74
		27	18.2	3.63	21.7	4.40	25.2	5.24	27.0	5.70	28.8	6.17	32.3	7.18	35.8	8.26
		29	18.2	3.84	21.7	4.67	25.2	5.57	27.0	6.06	28.8	6.57	32.3	7.65	35.8	8.81
		31	18.2	4.07	21.7	4.95	25.2	5.92	27.0	6.44	28.8	6.98	32.3	8.14	35.8	9.4
		33	18.2	4.31	21.7	5.25	25.2	6.29	27.0	6.84	28.8	7.42	32.3	8.66	35.8	10.0
		35	18.2	4.55	21.7	5.56	25.2	6.67	27.0	7.26	28.8	7.89	32.3	9.21	35.8	10.6
		37	18.2	4.81	21.7	5.88	25.2	7.07	27.0	7.71	28.8	8.37	32.3	9.79	35.8	11.3
		39	18.2	5.08	21.7	6.23	25.2	7.50	27.0	8.18	28.8	8.89	32.3	10.4	35.8	12.0
50%	200 (22.50)	10	15.2	2.68	18.1	3.10	21.0	3.55	22.5	3.79	24.0	4.02	26.9	4.52	29.8	5.03
		12	15.2	2.72	18.1	3.15	21.0	3.61	22.5	3.84	24.0	4.09	26.9	4.60	29.8	5.12
		14	15.2	2.75	18.1	3.19	21.0	3.66	22.5	3.91	24.0	4.16	26.9	4.67	29.8	5.21
		16	15.2	2.79	18.1	3.24	21.0	3.72	22.5	3.97	24.0	4.23	26.9	4.76	29.8	5.31
		18	15.2	2.83	18.1	3.29	21.0	3.78	22.5	4.04	24.0	4.30	26.9	4.84	29.8	5.41
		20	15.2	2.87	18.1	3.34	21.0	3.84	22.5	4.11	24.0	4.37	26.9	4.93	29.8	5.51
		21	15.2	2.89	18.1	3.37	21.0	3.88	22.5	4.14	24.0	4.41	26.9	4.98	29.8	5.56
		23	15.2	2.93	18.1	3.42	21.0	3.94	22.5	4.22	24.0	4.49	26.9	5.07	29.8	5.69
		25	15.2	2.98	18.1	3.48	21.0	4.02	22.5	4.30	24.0	4.63	26.9	5.32	29.8	6.07
		27	15.2	3.03	18.1	3.60	21.0	4.24	22.5	4.57	24.0	4.93	26.9	5.67	29.8	6.47
		29	15.2	3.20	18.1	3.82	21.0	4.50	22.5	4.86	24.0	5.23	26.9	6.03	29.8	6.88
		31	15.2	3.38	18.1	4.04	21.0	4.77	22.5	5.15	24.0	5.56	26.9	6.41	29.8	7.32
		33	15.2	3.57	18.1	4.28	21.0	5.05	22.5	5.47	24.0	5.90	26.9	6.81	29.8	7.79
		35	15.2	3.77	18.1	4.52	21.0	5.35	22.5	5.79	24.0	6.25	26.9	7.23	29.8	8.27
		37	15.2	3.98	18.1	4.78	21.0	5.66	22.5	6.13	24.0	6.63	26.9	7.67	29.8	8.79
		39	15.2	4.19	18.1	5.05	21.0	5.99	22.5	6.49	24.0	7.02	26.9	8.13	29.8	9.33

CC08A004

4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ20PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	650 (58.50)	10	49.0	7.09	58.5	8.68	67.9	10.3	70.4	10.5	71.3	10.3	73.1	9.9	74.8	9.4
		12	49.0	7.22	58.5	8.84	67.9	10.5	69.5	10.5	70.4	10.3	72.1	9.8	73.9	9.7
		14	49.0	7.36	58.5	9.0	67.7	10.7	68.6	10.4	69.5	10.2	71.2	10.1	73.0	10.2
		16	49.0	7.50	58.5	9.2	66.8	10.6	67.7	10.5	68.6	10.6	70.3	10.7	72.1	10.8
		18	49.0	7.65	58.5	9.4	65.9	11.0	66.8	11.1	67.7	11.1	69.4	11.2	71.2	11.3
		20	49.0	7.80	58.5	10.0	65.0	11.5	65.9	11.6	66.7	11.7	68.5	11.8	70.3	11.9
		21	49.0	8.02	58.5	10.3	64.5	11.8	65.4	11.9	66.3	11.9	68.1	12.0	69.8	12.2
		23	49.0	8.58	58.5	11.1	63.6	12.4	64.5	12.4	65.4	12.5	67.1	12.6	68.9	12.7
		25	49.0	9.2	58.5	11.9	62.7	12.9	63.6	13.0	64.5	13.0	66.2	13.2	68.0	13.3
		27	49.0	9.8	58.5	12.7	61.8	13.4	62.7	13.5	63.6	13.6	65.3	13.7	67.1	13.9
		29	49.0	10.5	58.5	13.6	60.9	14.0	61.8	14.1	62.7	14.1	64.4	14.3	66.2	14.4
		31	49.0	11.2	58.2	14.4	60.0	14.5	60.9	14.6	61.7	14.7	63.5	14.8	65.3	15.0
		33	49.0	11.9	57.3	14.9	59.1	15.1	59.9	15.2	60.8	15.2	62.6	15.4	64.4	15.6
		35	49.0	12.7	56.4	15.4	58.2	15.6	59.0	15.7	59.9	15.8	61.7	16.0	63.5	16.2
		37	49.0	13.5	55.5	16.0	57.2	16.2	58.1	16.3	59.0	16.4	60.8	16.6	62.6	16.7
		39	49.0	14.4	54.6	16.5	56.3	16.7	57.2	16.8	58.1	16.9	59.9	17.1	61.6	17.3
120%	600 (54.00)	10	45.3	6.48	54.0	7.91	62.7	9.4	67.1	10.2	70.2	10.6	71.8	10.2	73.4	9.8
		12	45.3	6.60	54.0	8.06	62.7	9.6	67.1	10.4	69.3	10.5	70.9	10.1	72.5	9.7
		14	45.3	6.72	54.0	8.22	62.7	9.8	67.1	10.6	68.4	10.5	70.0	10.1	71.6	10.2
		16	45.3	6.85	54.0	8.38	62.7	10.0	66.6	10.6	67.4	10.5	69.1	10.6	70.7	10.7
		18	45.3	6.98	54.0	8.54	62.7	10.3	65.7	11.0	66.5	11.0	68.2	11.1	69.8	11.2
		20	45.3	7.12	54.0	8.88	62.7	11.1	64.8	11.5	65.6	11.6	67.3	11.7	68.9	11.8
		21	45.3	7.19	54.0	9.2	62.7	11.5	64.4	11.8	65.2	11.9	66.8	12.0	68.4	12.1
		23	45.3	7.68	54.0	9.9	62.6	12.3	63.4	12.3	64.3	12.4	65.9	12.5	67.5	12.6
		25	45.3	8.20	54.0	10.5	61.7	12.8	62.5	12.9	63.4	12.9	65.0	13.1	66.6	13.2
		27	45.3	8.76	54.0	11.3	60.8	13.4	61.6	13.4	62.4	13.5	64.1	13.6	65.7	13.7
		29	45.3	9.3	54.0	12.0	59.9	13.9	60.7	14.0	61.5	14.0	63.2	14.2	64.8	14.3
		31	45.3	10.0	54.0	12.9	59.0	14.4	59.8	14.5	60.6	14.6	62.3	14.7	63.9	14.9
		33	45.3	10.6	54.0	13.7	58.1	15.0	58.9	15.1	59.7	15.1	61.4	15.3	63.0	15.4
		35	45.3	11.3	54.0	14.6	57.2	15.5	58.0	15.6	58.8	15.7	60.4	15.9	62.1	16.0
		37	45.3	12.0	54.0	15.6	56.3	16.1	57.1	16.2	57.9	16.3	59.5	16.4	61.2	16.6
		39	45.3	12.8	53.7	16.4	55.4	16.6	56.2	16.7	57.0	16.8	58.6	17.0	60.3	17.2
110%	550 (49.50)	10	41.5	5.88	49.5	7.16	57.5	8.51	61.5	9.2	65.5	9.9	70.6	10.5	72.1	10.1
		12	41.5	5.99	49.5	7.30	57.5	8.67	61.5	9.4	65.5	10.1	69.6	10.5	71.1	10.1
		14	41.5	6.10	49.5	7.44	57.5	8.83	61.5	9.6	65.5	10.3	68.7	10.4	70.2	10.1
		16	41.5	6.21	49.5	7.58	57.5	9.0	61.5	9.7	65.5	10.5	67.8	10.5	69.3	10.6
		18	41.5	6.33	49.5	7.73	57.5	9.2	61.5	10.0	65.4	11.0	66.9	11.1	68.4	11.2
		20	41.5	6.45	49.5	7.88	57.5	9.7	61.5	10.8	64.5	11.5	66.0	11.6	67.5	11.7
		21	41.5	6.52	49.5	8.12	57.5	10.1	61.5	11.1	64.1	11.8	65.6	11.9	67.1	12.0
		23	41.5	6.82	49.5	8.70	57.5	10.8	61.5	11.9	63.2	12.3	64.6	12.4	66.1	12.5
		25	41.5	7.28	49.5	9.3	57.5	11.6	61.5	12.8	62.2	12.9	63.7	13.0	65.2	13.1
		27	41.5	7.77	49.5	9.9	57.5	12.4	60.6	13.3	61.3	13.4	62.8	13.5	64.3	13.6
		29	41.5	8.28	49.5	10.6	57.5	13.2	59.7	13.9	60.4	13.9	61.9	14.1	63.4	14.2
		31	41.5	8.82	49.5	11.3	57.5	14.1	58.8	14.4	59.5	14.5	61.0	14.6	62.5	14.8
		33	41.5	9.4	49.5	12.1	57.1	14.9	57.9	15.0	58.6	15.0	60.1	15.2	61.6	15.3
		35	41.5	10.0	49.5	12.8	56.2	15.4	56.9	15.5	57.7	15.6	59.2	15.7	60.7	15.9
		37	41.5	10.6	49.5	13.7	55.3	16.0	56.0	16.1	56.8	16.1	58.3	16.3	59.8	16.4
		39	41.5	11.3	49.5	14.6	54.4	16.5	55.1	16.6	55.9	16.7	57.4	16.9	58.9	17.0
100%	500 (45.00)	10	37.7	5.31	45.0	6.44	52.3	7.62	55.9	8.24	59.5	8.86	66.8	10.1	70.7	10.5
		12	37.7	5.40	45.0	6.55	52.3	7.77	55.9	8.39	59.5	9.0	66.8	10.3	69.8	10.4
		14	37.7	5.50	45.0	6.67	52.3	7.91	55.9	8.55	59.5	9.2	66.8	10.5	68.8	10.4
		16	37.7	5.60	45.0	6.80	52.3	8.07	55.9	8.72	59.5	9.4	66.6	10.7	67.9	10.5
		18	37.7	5.70	45.0	6.93	52.3	8.23	55.9	8.89	59.5	9.6	65.7	11.0	67.0	11.1
		20	37.7	5.81	45.0	7.07	52.3	8.47	55.9	9.3	59.5	10.2	64.8	11.5	66.1	11.6
		21	37.7	5.86	45.0	7.14	52.3	8.78	55.9	9.7	59.5	10.6	64.3	11.8	65.7	11.9
		23	37.7	6.02	45.0	7.61	52.3	9.4	55.9	10.4	59.5	11.4	63.4	12.3	64.8	12.4
		25	37.7	6.42	45.0	8.13	52.3	10.1	55.9	11.1	59.5	12.2	62.5	12.9	63.8	13.0
		27	37.7	6.84	45.0	8.68	52.3	10.7	55.9	11.9	59.5	13.0	61.6	13.4	62.9	13.5
		29	37.7	7.29	45.0	9.3	52.3	11.5	55.9	12.7	59.3	13.8	60.7	14.0	62.0	14.1
		31	37.7	7.76	45.0	9.9	52.3	12.2	55.9	13.5	58.4	14.4	59.8	14.5	61.1	14.6
		33	37.7	8.25	45.0	10.5	52.3	13.1	55.9	14.4	57.5	14.9	58.9	15.1	60.2	15.2
		35	37.7	8.77	45.0	11.2	52.3	13.9	55.9	15.4	56.6	15.5	57.9	15.6	59.3	15.7
		37	37.7	9.3	45.0	11.9	52.3	14.8	55.0	15.9	55.7	16.0	57.0	16.2	58.4	16.3
		39	37.7	9.9	45.0	12.7	52.3	15.8	54.1	16.5	54.8	16.6	56.1	16.7	57.5	16.9

CC08A004

NOTES

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

4 Capacity tables

4 - 1 Cooling capacity tables

RTSYQ20PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.	Indoor air temperature: °CWB													
			14.0		16.0		18.0		20.0		21.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	450 (40.50)	10	34.0	4.75	40.5	5.73	47.0	6.76	50.3	7.30	53.6	7.84	60.1	8.96	66.7	10.1
		12	34.0	4.83	40.5	5.83	47.0	6.89	50.3	7.43	53.6	7.99	60.1	9.1	66.7	10.3
		14	34.0	4.91	40.5	5.94	47.0	7.02	50.3	7.58	53.6	8.14	60.1	9.3	66.7	10.5
		16	34.0	5.00	40.5	6.05	47.0	7.15	50.3	7.72	53.6	8.30	60.1	9.5	66.6	10.7
		18	34.0	5.09	40.5	6.16	47.0	7.29	50.3	7.87	53.6	8.47	60.1	9.7	65.6	11.0
		20	34.0	5.18	40.5	6.28	47.0	7.44	50.3	8.03	53.6	8.78	60.1	10.4	64.7	11.5
		21	34.0	5.23	40.5	6.34	47.0	7.56	50.3	8.31	53.6	9.1	60.1	10.8	64.3	11.8
		23	34.0	5.33	40.5	6.60	47.0	8.10	50.3	8.90	53.6	9.7	60.1	11.6	63.4	12.3
		25	34.0	5.62	40.5	7.05	47.0	8.65	50.3	9.5	53.6	10.4	60.1	12.4	62.5	12.9
		27	34.0	5.98	40.5	7.52	47.0	9.2	50.3	10.2	53.6	11.1	60.1	13.2	61.6	13.4
		29	34.0	6.36	40.5	8.01	47.0	9.9	50.3	10.9	53.6	11.9	59.4	13.9	60.6	14.0
		31	34.0	6.76	40.5	8.53	47.0	10.5	50.3	11.6	53.6	12.7	58.5	14.4	59.7	14.5
		33	34.0	7.18	40.5	9.1	47.0	11.2	50.3	12.3	53.6	13.6	57.6	14.9	58.8	15.1
		35	34.0	7.63	40.5	9.7	47.0	11.9	50.3	13.2	53.6	14.4	56.7	15.5	57.9	15.6
		37	34.0	8.10	40.5	10.3	47.0	12.7	50.3	14.0	53.6	15.4	55.8	16.0	57.0	16.2
		39	34.0	8.59	40.5	10.9	47.0	13.5	50.3	14.9	53.6	16.4	54.9	16.6	56.1	16.7
80%	400 (36.00)	10	30.2	4.22	36.0	5.05	41.8	5.93	44.7	6.39	47.6	6.86	53.4	7.82	59.3	8.81
		12	30.2	4.28	36.0	5.14	41.8	6.04	44.7	6.51	47.6	6.99	53.4	7.97	59.3	8.98
		14	30.2	4.36	36.0	5.23	41.8	6.15	44.7	6.63	47.6	7.12	53.4	8.12	59.3	9.2
		16	30.2	4.43	36.0	5.32	41.8	6.26	44.7	6.75	47.6	7.25	53.4	8.28	59.3	9.3
		18	30.2	4.51	36.0	5.42	41.8	6.38	44.7	6.88	47.6	7.39	53.4	8.44	59.3	9.5
		20	30.2	4.59	36.0	5.52	41.8	6.51	44.7	7.02	47.6	7.54	53.4	8.75	59.3	10.2
		21	30.2	4.63	36.0	5.57	41.8	6.57	44.7	7.09	47.6	7.70	53.4	9.1	59.3	10.5
		23	30.2	4.71	36.0	5.68	41.8	6.89	44.7	7.55	47.6	8.24	53.4	9.7	59.3	11.3
		25	30.2	4.87	36.0	6.05	41.8	7.36	44.7	8.07	47.6	8.81	53.4	10.4	59.3	12.1
		27	30.2	5.18	36.0	6.44	41.8	7.85	44.7	8.61	47.6	9.4	53.4	11.1	59.3	12.9
		29	30.2	5.50	36.0	6.86	41.8	8.37	44.7	9.2	47.6	10.0	53.4	11.9	59.3	13.8
		31	30.2	5.84	36.0	7.29	41.8	8.91	44.7	9.8	47.6	10.7	53.4	12.7	58.3	14.4
		33	30.2	6.20	36.0	7.75	41.8	9.5	44.7	10.4	47.6	11.4	53.4	13.5	57.4	14.9
		35	30.2	6.57	36.0	8.23	41.8	10.1	44.7	11.1	47.6	12.1	53.4	14.4	56.5	15.5
		37	30.2	6.97	36.0	8.74	41.8	10.7	44.7	11.8	47.6	12.9	53.4	15.3	55.6	16.0
		39	30.2	7.38	36.0	9.3	41.8	11.4	44.7	12.6	47.6	13.8	53.4	16.3	54.7	16.6
70%	350 (31.50)	10	26.4	3.71	31.5	4.40	36.6	5.14	39.1	5.52	41.7	5.91	46.8	6.72	51.9	7.56
		12	26.4	3.76	31.5	4.47	36.6	5.23	39.1	5.62	41.7	6.02	46.8	6.84	51.9	7.70
		14	26.4	3.82	31.5	4.55	36.6	5.32	39.1	5.72	41.7	6.13	46.8	6.97	51.9	7.84
		16	26.4	3.88	31.5	4.63	36.6	5.41	39.1	5.82	41.7	6.24	46.8	7.10	51.9	7.99
		18	26.4	3.95	31.5	4.71	36.6	5.51	39.1	5.93	41.7	6.36	46.8	7.24	51.9	8.15
		20	26.4	4.01	31.5	4.79	36.6	5.62	39.1	6.05	41.7	6.48	46.8	7.39	51.9	8.38
		21	26.4	4.05	31.5	4.84	36.6	5.67	39.1	6.10	41.7	6.55	46.8	7.50	51.9	8.68
		23	26.4	4.12	31.5	4.93	36.6	5.79	39.1	6.31	41.7	6.86	46.8	8.03	51.9	9.3
		25	26.4	4.19	31.5	5.12	36.6	6.17	39.1	6.74	41.7	7.33	46.8	8.58	51.9	9.9
		27	26.4	4.43	31.5	5.45	36.6	6.58	39.1	7.18	41.7	7.82	46.8	9.2	51.9	10.6
		29	26.4	4.70	31.5	5.79	36.6	7.00	39.1	7.65	41.7	8.33	46.8	9.8	51.9	11.3
		31	26.4	4.99	31.5	6.15	36.6	7.45	39.1	8.14	41.7	8.87	46.8	10.4	51.9	12.1
		33	26.4	5.29	31.5	6.53	36.6	7.92	39.1	8.66	41.7	9.4	46.8	11.1	51.9	12.9
		35	26.4	5.60	31.5	6.93	36.6	8.41	39.1	9.2	41.7	10.0	46.8	11.8	51.9	13.8
		37	26.4	5.93	31.5	7.35	36.6	8.94	39.1	9.8	41.7	10.7	46.8	12.6	51.9	14.7
		39	26.4	6.27	31.5	7.79	36.6	9.5	39.1	10.4	41.7	11.4	46.8	13.4	51.9	15.6
60%	300 (27.00)	10	22.6	3.23	27.0	3.79	31.4	4.38	33.5	4.69	35.7	5.01	40.1	5.66	44.4	6.35
		12	22.6	3.27	27.0	3.84	31.4	4.45	33.5	4.77	35.7	5.09	40.1	5.77	44.4	6.46
		14	22.6	3.32	27.0	3.90	31.4	4.53	33.5	4.85	35.7	5.18	40.1	5.87	44.4	6.58
		16	22.6	3.37	27.0	3.97	31.4	4.60	33.5	4.94	35.7	5.28	40.1	5.98	44.4	6.71
		18	22.6	3.42	27.0	4.03	31.4	4.69	33.5	5.03	35.7	5.37	40.1	6.09	44.4	6.84
		20	22.6	3.47	27.0	4.10	31.4	4.77	33.5	5.12	35.7	5.47	40.1	6.21	44.4	6.97
		21	22.6	3.50	27.0	4.14	31.4	4.81	33.5	5.16	35.7	5.53	40.1	6.27	44.4	7.04
		23	22.6	3.56	27.0	4.21	31.4	4.90	33.5	5.26	35.7	5.63	40.1	6.51	44.4	7.49
		25	22.6	3.62	27.0	4.29	31.4	5.09	33.5	5.53	35.7	5.99	40.1	6.95	44.4	8.00
		27	22.6	3.75	27.0	4.54	31.4	5.42	33.5	5.89	35.7	6.38	40.1	7.42	44.4	8.54
		29	22.6	3.97	27.0	4.82	31.4	5.76	33.5	6.26	35.7	6.79	40.1	7.90	44.4	9.1
		31	22.6	4.21	27.0	5.12	31.4	6.12	33.5	6.66	35.7	7.22	40.1	8.41	44.4	9.7
		33	22.6	4.45	27.0	5.42	31.4	6.50	33.5	7.07	35.7	7.67	40.1	8.95	44.4	10.3
		35	22.6	4.71	27.0	5.74	31.4	6.89	33.5	7.51	35.7	8.15	40.1	9.5	44.4	11.0
		37	22.6	4.97	27.0	6.08	31.4	7.31	33.5	7.97	35.7	8.65	40.1	10.1	44.4	11.7
		39	22.6	5.25	27.0	6.44	31.4	7.75	33.5	8.45	35.7	9.2	40.1	10.8	44.4	12.4
50%	250 (22.50)	10	18.9	2.77	22.5	3.21	26.1	3.67	28.0	3.91	29.8	4.16	33.4	4.67	37.0	5.20
		12	18.9	2.81	22.5	3.25	26.1	3.73	28.0	3.97	29.8	4.23	33.4	4.75	37.0	5.29
		14	18.9	2.85	22.5	3.30	26.1	3.79	28.0	4.04	29.8	4.30	33.4	4.83	37.0	5.39
		16	18.9	2.88	22.5	3.35	26.1	3.85	28.0	4.10	29.8	4.37	33.4	4.92	37.0	5.49
		18	18.9	2.92	22.5	3.40	26.1	3.91	28.0	4.17	29.8	4.44	33.4	5.00	37.0	5.59
		20	18.9	2.97	22.5	3.45	26.1	3.97	28.0	4.24	29.8	4.52	33.4	5.10	37.0	5.69
		21	18.9	2.99	22.5	3.48	26.1	4.01	28.0	4.28	29.8	4.56	33.4	5.14	37.0	5.75
		23	18.9	3.03	22.5	3.54	26.1	4.08	28.0	4.36	29.8	4.65	33.4	5.24	37.0	5.88
		25	18.9	3.08	22.5	3.60	26.1	4.15	28.0	4.45	29.8	4.79	33.4	5.50	37.0	6.27
		27	18.9	3.13	22.5	3.73	26.1	4.38	28.0	4.73	29.8	5.09	33.4	5.86	37.0	6.68
		29	18.9	3.31	22.5	3.95	26.1	4.65	28.0	5.02	29.8	5.41	33.4	6.23	37.0	7.11
		31	18.9	3.50	22.5	4.18	26.1	4.93	28.0	5.33	29.8	5.74	33.4	6.62	37.0	7.57
		33	18.9	3.69	22.5	4.42	26.1	5.22	28.0	5.65	29.8	6.09	33.4	7.03	37.0	8.05
		35	18.9	3.90	22.5	4.67	26.1	5.53	28.0	5.99	29.8	6.46	33.4	7.47	37.0	8.55
		37	18.9	4.11	22.5	4.94	26.1	5.85	28.0	6.34	29.8	6.85	33.4	7.92	37.0	9.1
		39	18.9	4.33	22.5	5.22	26.1	6.19	28.0	6.71	29.8	7.26	33.4	8.41	37.0	9.6

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4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ10PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
130	325 (36.40)	-24.9	-25.0	24.2	7.07	24.1	7.43	24.1	7.79	24.0	7.98	24.0	8.16	23.9	8.52
		-22.8	-23.0	24.5	6.92	24.4	7.27	24.4	7.62	24.3	7.79	24.3	7.96	24.2	8.31
		-21.8	-22.0	24.7	6.86	24.6	7.20	24.5	7.54	24.5	7.71	24.5	7.88	24.4	8.22
		-20.8	-21.0	24.9	6.81	24.8	7.14	24.7	7.48	24.7	7.64	24.6	7.81	24.6	8.14
		-19.8	-20.0	25.0	6.77	25.0	7.09	24.9	7.42	24.9	7.58	24.8	7.74	24.8	8.07
		-18.8	-19.0	25.3	6.73	25.2	7.04	25.1	7.36	25.1	7.52	25.0	7.68	25.0	8.00
		-16.7	-17.0	25.8	6.66	25.7	6.97	25.6	7.27	25.6	7.42	25.5	7.57	25.5	7.88
		-13.7	-15.0	26.4	6.63	26.3	6.92	26.2	7.20	26.2	7.35	26.1	7.49	26.1	7.78
		-11.8	-13.0	27.1	6.62	27.0	6.89	27.0	7.17	26.9	7.31	26.9	7.44	26.8	7.72
		-9.8	-11.0	28.0	6.66	27.9	6.92	27.8	7.18	27.8	7.31	27.8	7.44	27.7	7.70
		-9.5	-10.0	28.5	6.69	28.4	6.95	28.4	7.20	28.3	7.33	28.3	7.45	28.2	7.71
		-8.5	-9.1	29.0	6.74	28.9	6.99	28.9	7.24	28.8	7.36	28.8	7.49	28.7	7.73
		-7.0	-7.6	29.9	6.86	29.9	7.10	29.8	7.34	29.8	7.46	29.7	7.58	29.7	7.82
		-4.4	-5.0	31.9	7.22	31.8	7.44	31.7	7.67	31.7	7.78	31.6	7.90	31.6	8.12
		-3.0	-3.7	33.0	7.52	32.9	7.75	32.8	7.95	32.8	8.08	32.8	8.19	32.7	8.42
		0.0	-0.7	36.0	8.45	35.9	8.67	35.9	8.89	35.8	9.00	35.8	9.11	35.7	9.32
		3.0	2.2	39.6	9.63	39.5	9.85	39.4	10.1	39.4	10.2	38.3	9.87	35.7	9.08
		5.0	4.0	42.1	10.5	42.1	10.7	41.0	10.5	39.6	10.1	38.3	9.73	35.7	8.96
		7.0	6.0	37.4	8.73	37.3	8.93	37.3	9.14	37.2	9.24	37.2	9.34	35.7	8.96
		9.0	7.9	39.3	8.91	39.2	9.11	39.2	9.30	39.1	9.40	38.3	9.19	35.7	8.42
		11.0	9.8	41.3	9.09	41.2	9.28	41.0	9.38	39.6	9.01	38.3	8.64	35.7	7.93
		13.0	11.8	43.5	9.27	43.4	9.44	41.0	8.79	39.6	8.44	38.3	8.11	35.7	7.44
		15.0	13.7	45.6	9.42	43.6	8.93	41.0	8.28	39.6	7.96	38.3	7.64	35.7	7.02
120	300 (33.60)	-24.9	-25.0	24.1	7.56	24.0	7.89	24.0	8.23	23.9	8.40	23.9	8.56	23.8	8.90
		-22.8	-23.0	24.4	7.39	24.3	7.71	24.3	8.03	24.2	8.19	24.2	8.35	24.1	8.67
		-21.8	-22.0	24.6	7.32	24.5	7.64	24.4	7.95	24.4	8.11	24.4	8.26	24.3	8.58
		-20.8	-21.0	24.8	7.26	24.7	7.57	24.6	7.87	24.6	8.03	24.6	8.18	24.5	8.49
		-19.8	-20.0	24.9	7.20	24.9	7.50	24.8	7.80	24.8	7.95	24.7	8.10	24.7	8.40
		-18.8	-19.0	25.2	7.15	25.1	7.45	25.0	7.74	25.0	7.89	25.0	8.04	24.9	8.33
		-16.7	-17.0	25.7	7.07	25.6	7.35	25.5	7.63	25.5	7.77	25.5	7.91	25.4	8.19
		-13.7	-15.0	26.3	7.02	26.2	7.28	26.1	7.55	26.1	7.68	26.1	7.82	26.0	8.08
		-11.8	-13.0	27.0	6.99	26.9	7.24	26.9	7.50	26.8	7.62	26.8	7.75	26.7	8.00
		-9.8	-11.0	27.9	7.01	27.8	7.25	27.8	7.49	27.7	7.61	27.7	7.73	27.6	7.97
		-9.5	-10.0	28.4	7.04	28.3	7.27	28.3	7.50	28.2	7.62	28.2	7.74	28.1	7.97
		-8.5	-9.1	28.9	7.08	28.8	7.31	28.8	7.53	28.7	7.65	28.7	7.76	28.6	7.99
		-7.0	-7.6	29.8	7.18	29.8	7.41	29.7	7.63	29.7	7.74	29.6	7.85	29.6	8.07
		-4.4	-5.0	31.8	7.52	31.7	7.73	31.6	7.94	31.6	8.05	31.6	8.15	31.5	8.36
		-3.0	-3.7	32.9	7.82	32.8	8.03	32.8	8.21	32.7	8.34	32.7	8.44	32.6	8.65
		0.0	-0.7	35.9	8.75	35.8	8.95	35.8	9.15	35.7	9.25	35.4	9.22	32.9	8.48
		3.0	2.2	39.5	9.92	39.4	10.1	37.8	9.71	36.6	9.34	35.4	8.98	32.9	8.28
		5.0	4.0	42.0	10.8	40.2	10.3	37.8	9.58	36.6	9.22	35.4	8.87	32.9	8.19
		7.0	6.0	37.3	9.01	37.3	9.19	37.2	9.38	36.6	9.24	35.4	8.86	32.9	8.13
		9.0	7.9	39.2	9.18	39.1	9.36	37.8	9.04	36.6	8.68	35.4	8.33	32.9	7.65
		11.0	9.8	41.2	9.34	40.2	9.17	37.8	8.50	36.6	8.17	35.4	7.84	32.9	7.21
		13.0	11.8	42.7	9.24	40.2	8.60	37.8	7.97	36.6	7.67	35.4	7.37	32.9	6.78
		15.0	13.7	42.7	8.70	40.2	8.10	37.8	7.52	36.6	7.23	35.4	6.95	32.9	6.40
110	275 (30.80)	-24.9	-25.0	24.0	8.05	23.9	8.36	23.9	8.66	23.9	8.82	23.8	8.97	23.8	9.28
		-22.8	-23.0	24.3	7.86	24.3	8.15	24.2	8.45	24.2	8.60	24.1	8.74	24.1	9.04
		-21.8	-22.0	24.5	7.78	24.4	8.07	24.4	8.36	24.3	8.50	24.3	8.64	24.2	8.93
		-20.8	-21.0	24.7	7.71	24.6	7.99	24.5	8.27	24.5	8.41	24.5	8.55	24.4	8.83
		-19.8	-20.0	24.9	7.64	24.8	7.92	24.7	8.19	24.7	8.33	24.7	8.47	24.6	8.74
		-18.8	-19.0	25.1	7.58	25.0	7.85	24.9	8.12	24.9	8.26	24.9	8.39	24.8	8.66
		-16.7	-17.0	25.6	7.48	25.5	7.74	25.4	8.00	25.4	8.13	25.4	8.25	25.3	8.51
		-13.7	-15.0	26.2	7.41	26.1	7.65	26.0	7.90	26.0	8.02	26.0	8.14	25.9	8.39
		-11.8	-13.0	26.9	7.36	26.8	7.59	26.8	7.83	26.8	7.94	26.7	8.06	26.7	8.29
		-9.8	-11.0	27.8	7.36	27.7	7.58	27.7	7.80	27.6	7.91	27.6	8.02	27.6	8.24
		-9.5	-10.0	28.3	7.38	28.3	7.59	28.2	7.81	28.2	7.92	28.1	8.02	28.1	8.24
		-8.5	-9.1	28.8	7.41	28.8	7.62	28.7	7.83	28.7	7.94	28.6	8.04	28.6	8.25
		-7.0	-7.6	29.8	7.51	29.7	7.71	29.6	7.91	29.6	8.01	29.6	8.11	29.5	8.32
		-4.4	-5.0	31.7	7.83	31.6	8.02	31.5	8.21	31.5	8.31	31.5	8.41	30.2	8.09
		-3.0	-3.7	32.8	8.13	32.7	8.32	32.7	8.48	32.6	8.60	32.4	8.62	30.2	7.93
		0.0	-0.7	35.8	9.04	35.7	9.23	34.7	9.00	33.5	8.66	32.4	8.32	30.2	7.67
		3.0	2.2	39.1	10.1	36.9	9.43	34.7	8.77	33.5	8.45	32.4	8.13	30.2	7.50
		5.0	4.0	39.1	10.0	36.9	9.31	34.7	8.67	33.5	8.35	32.4	8.04	30.2	7.43
		7.0	6.0	37.2	9.28	36.9	9.33	34.7	8.64	33.5	8.30	32.4	7.97	30.2	7.32
		9.0	7.9	39.1	9.42	36.9	8.77	34.7	8.13	33.5	7.81	32.4	7.50	30.2	6.90
		11.0	9.8	39.1	8.86	36.9	8.25	34.7	7.65	33.5	7.36	32.4	7.07	30.2	6.51
		13.0	11.8	39.1	8.31	36.9	7.74	34.7	7.19	33.5	6.92	32.4	6.65	30.2	6.13
		15.0	13.7	39.1	7.83	36.9	7.30	34.7	6.79	33.5	6.53	32.4	6.29	30.2	5.80
100	250 (28.00)	-24.9	-25.0	23.9	8.54	23.9	8.82	23.8	9.10	23.8	9.24	23.7	9.38	23.7	9.66
		-22.8	-23.0	24.2	8.33	24.2	8.60	24.1	8.86	24.1	9.00	24.0	9.13	24.0	9.40
		-21.8	-22.0	24.4	8.24	24.3	8.50	24.3	8.76	24.2	8.89	24.2	9.02	24.2	9.28
		-20.8	-21.0	24.6	8.16	24.5	8.41	24.4	8.67	24.4	8.80	24.4	8.92	24.3	9.18
		-19.8	-20.0	24.8	8.08	24.7	8.33	24.6	8.58	24.6	8.71	24.6	8.83	24.5	9.08
		-18.8	-19.0	25.0	8.01	24.9	8.26	24.9	8.50	24.8	8.62	24.8	8.75	24.7	8.99
		-16.7	-17.0	25.5	7.89	25.4	8.13	25.4	8.36	25.3	8.48	25.3	8.59	25.2	8.83
		-13.7	-15.0	26.1	7.80	26.0	8.02	26.0	8.24	25.9	8.35	25.9	8.46	25.8	8.69
		-11.8	-13.0	26.8	7.73	26.8	7.94	26.7	8.15	26.7	8.26	26.6	8.37	26.6	8.58
		-9.8	-11.0	27.7	7.71	27.6	7.91	27.6	8.11	27.6	8.21	27.5	8.31	27.5	8.50
		-9.5	-10.0	28.2	7.72	28.2	7.92	28.0	8.10	28.0	8.21	28.1	8.31	27.5	8.25
		-8.5	-9.1	28.7	7.75	28.7	7.94	28.6	8.13	28.6	8.22	28.6	8.32	27.5	8.04
		-7.0	-7.6	29.7	7.83	29.6	8.01	29.5	8.20	29.5	8.29	29.5	8.38	27.5	7.70
		-4.4	-5.0	31.6	8.14	31.5	8.31	31.5	8.49	30.5	8.18	29.5	7.86	27.5	7.24
		-3.0	-3.7	32.7	8.43	32.6	8.60	31.5	8.31	30.5	8.02	29.5	7.71	27.5	7.10
		0.0	-0.7	35.5	9.28	33.5	8.66	31.5	8.05	30.5	7.75	29.5	7.46	27.5	6.88
		3.0	2.2	35.5	9.04	33.5	8.44	31.5	7.87	30.5	7.58	29.5	7.30	27.5	6.75
		5.0	4.0	35.5	8.92	33.5	8.35	31.5	7.79	30.5	7.51	29.5	7.24	27.5	6.70
		7.0	6.0	35.5	8.92	33.5	8.30	31.50	7.70	30.5	7.41	29.5	7.12	27.5	6.55
		9.0	7.9	35.5	8.38	33.5	7.81	31.5	7.25	30.5	6.98	29.5	6.71	27.5	6.18
		11.0	9.8	35.5	7.89	33.5	7.36	31.5	6.84	30.5	6.58	29.5	6.33	27.5	5.84
		13.0	11.8	35.5	7.41	33.5	6.92	31.5	6.44	30.5	6.20	29.5	5.97	27.5	5.51
		15.0	13.7	35.5	6.99	33.5	6.53	31.5	6.08	30.5	5.86	29.5	5.64	27.5	5.22

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NOTES

1 [ ] is shown as reference.
When selecting the unit models, avoid the Outdoor air temperature range shown by [ ].

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

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ10PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
90	225	-24.9	-25.0	23.8	9.03	23.8	9.28	23.7	9.53	23.7	9.66	23.7	9.79	23.6	10.0
	(25.20)	-22.8	-23.0	24.1	8.80	24.1	9.04	24.0	9.28	24.0	9.40	24.0	9.52	23.9	9.76
		-21.8	-22.0	24.3	8.70	24.2	8.93	24.2	9.17	24.2	9.29	24.1	9.40	24.1	9.64
		-20.8	-21.0	24.5	8.61	24.4	8.84	24.4	9.07	24.3	9.18	24.3	9.30	24.3	9.53
		-19.8	-20.0	24.7	8.52	24.6	8.75	24.6	8.97	24.5	9.08	24.5	9.20	24.5	9.42
		-18.8	-19.0	24.9	8.44	24.8	8.66	24.8	8.88	24.7	8.99	24.7	9.10	24.7	9.32
		-16.7	-17.0	25.4	8.30	25.3	8.51	25.3	8.72	25.2	8.83	25.2	8.93	24.7	8.89
		-13.7	-15.0	26.0	8.19	25.9	8.39	25.9	8.59	25.8	8.69	25.8	8.79	24.7	8.43
		-11.8	-13.0	26.7	8.10	26.7	8.29	26.6	8.48	26.6	8.58	26.5	8.66	24.7	7.96
		-9.8	-11.0	27.6	8.06	27.6	8.24	27.5	8.42	27.4	8.50	26.5	8.16	24.7	7.51
		-9.5	-10.0	28.1	8.06	28.1	8.24	28.0	8.41	27.4	8.25	26.5	7.92	24.7	7.29
		-8.5	-9.1	28.6	8.08	28.6	8.25	28.4	8.35	27.4	8.03	26.5	7.72	24.7	7.10
		-7.0	-7.6	29.6	8.15	29.5	8.32	28.4	8.00	27.4	7.70	26.5	7.40	24.7	6.82
		-4.4	-5.0	31.5	8.44	30.2	8.08	28.4	7.51	27.4	7.23	26.5	6.96	24.7	6.42
		-3.0	-3.7	32.0	8.49	30.2	7.92	28.4	7.34	27.4	7.10	26.5	6.83	24.7	6.30
		0.0	-0.7	32.0	8.20	30.2	7.66	28.4	7.14	27.4	6.88	26.5	6.63	24.7	6.13
		3.0	2.2	32.0	8.01	30.2	7.49	28.4	6.99	27.4	6.75	26.5	6.51	24.7	6.03
		5.0	4.0	32.0	7.92	30.2	7.42	28.4	6.94	27.4	6.70	26.5	6.46	24.7	6.00
		7.0	6.0	32.0	7.84	30.2	7.32	28.4	6.80	27.4	6.55	26.5	6.30	24.7	5.81
		9.0	7.9	32.0	7.39	30.2	6.89	28.4	6.41	27.4	6.18	26.5	5.95	24.7	5.49
		11.0	9.8	32.0	6.96	30.2	6.50	28.4	6.06	27.4	5.84	26.5	5.62	24.7	5.20
		13.0	11.8	32.0	6.55	30.2	6.13	28.4	5.71	27.4	5.51	26.5	5.31	24.7	4.91
		15.0	13.7	32.0	6.19	30.2	5.79	28.4	5.41	27.4	5.22	26.5	5.03	24.7	4.66
80	200	-24.9	-25.0	23.7	9.52	23.7	9.75	23.6	10.0	23.6	10.1	23.6	10.2	22.0	9.37
	(22.40)	-22.8	-23.0	24.0	9.27	24.0	9.48	23.9	9.70	23.9	9.80	23.6	9.72	22.0	8.93
		-21.8	-22.0	24.2	9.16	24.1	9.37	24.1	9.58	24.1	9.68	23.6	9.49	22.0	8.73
		-20.8	-21.0	24.4	9.06	24.3	9.26	24.3	9.46	24.3	9.57	23.6	9.27	22.0	8.53
		-19.8	-20.0	24.6	8.96	24.5	9.16	24.5	9.36	24.4	9.43	23.6	9.06	22.0	8.33
		-18.8	-19.0	24.8	8.87	24.7	9.07	24.7	9.26	24.4	9.21	23.6	8.84	22.0	8.14
		-16.7	-17.0	25.3	8.71	25.2	8.90	25.2	9.09	24.4	8.76	23.6	8.41	22.0	7.74
		-13.7	-15.0	25.9	8.58	25.8	8.76	25.2	8.63	24.4	8.30	23.6	7.98	22.0	7.35
		-11.8	-13.0	26.6	8.47	26.6	8.64	25.2	8.15	24.4	7.84	23.6	7.54	22.0	6.95
		-9.8	-11.0	27.5	8.41	26.8	8.27	25.2	7.68	24.4	7.40	23.6	7.11	22.0	6.56
		-9.5	-10.0	28.0	8.41	26.8	8.03	25.2	7.46	24.4	7.18	23.6	6.91	22.0	6.37
		-8.5	-9.1	28.4	8.38	26.8	7.82	25.2	7.27	24.4	7.00	23.6	6.74	22.0	6.22
		-7.0	-7.6	28.4	8.03	26.8	7.50	25.2	6.97	24.4	6.72	23.6	6.47	22.0	5.97
		-4.4	-5.0	28.4	7.54	26.8	7.04	25.2	6.56	24.4	6.32	23.6	6.09	22.0	5.63
		-3.0	-3.7	28.4	7.39	26.8	6.91	25.2	6.42	24.4	6.21	23.6	5.99	22.0	5.54
		0.0	-0.7	28.4	7.16	26.8	6.71	25.2	6.26	24.4	6.04	23.6	5.83	22.0	5.40
		3.0	2.2	28.4	7.02	26.8	6.58	25.2	6.16	24.4	5.95	23.6	5.74	22.0	5.33
		5.0	4.0	28.4	6.96	26.8	6.54	25.2	6.12	24.4	5.92	23.6	5.71	22.0	5.32
		7.0	6.0	28.4	6.82	26.8	6.38	25.2	5.94	24.4	5.73	23.6	5.52	22.0	5.10
		9.0	7.9	28.4	6.44	26.8	6.02	25.2	5.61	24.4	5.41	23.6	5.22	22.0	4.83
		11.0	9.8	28.4	6.08	26.8	5.69	25.2	5.31	24.4	5.12	23.6	4.94	22.0	4.58
		13.0	11.8	28.4	5.73	26.8	5.37	25.2	5.02	24.4	4.84	23.6	4.67	22.0	4.33
		15.0	13.7	28.4	5.42	26.8	5.09	25.2	4.76	24.4	4.59	23.6	4.43	22.0	4.12
70	175	-24.9	-25.0	23.6	10.0	23.5	10.1	22.1	9.42	21.3	9.07	20.6	8.72	19.2	8.04
	(19.60)	-22.8	-23.0	23.9	9.74	23.5	9.66	22.1	8.98	21.3	8.64	20.6	8.31	19.2	7.66
		-21.8	-22.0	24.1	9.62	23.5	9.44	22.1	8.77	21.3	8.44	20.6	8.12	19.2	7.49
		-20.8	-21.0	24.3	9.50	23.5	9.22	22.1	8.57	21.3	8.25	20.6	7.94	19.2	7.32
		-19.8	-20.0	24.5	9.40	23.5	9.01	22.1	8.37	21.3	8.06	20.6	7.75	19.2	7.15
		-18.8	-19.0	24.7	9.30	23.5	8.79	22.1	8.18	21.3	7.87	20.6	7.57	19.2	6.99
		-16.7	-17.0	24.9	8.97	23.5	8.37	22.1	7.78	21.3	7.49	20.6	7.21	19.2	6.66
		-13.7	-15.0	24.9	8.50	23.5	7.93	22.1	7.38	21.3	7.11	20.6	6.84	19.2	6.32
		-11.8	-13.0	24.9	8.03	23.5	7.50	22.1	6.98	21.3	6.73	20.6	6.48	19.2	5.98
		-9.8	-11.0	24.9	7.57	23.5	7.07	22.1	6.59	21.3	6.35	20.6	6.12	19.2	5.66
		-9.5	-10.0	24.9	7.35	23.5	6.87	22.1	6.40	21.3	6.17	20.6	5.95	19.2	5.50
		-8.5	-9.1	24.9	7.16	23.5	6.70	22.1	6.24	21.3	6.02	20.6	5.80	19.2	5.37
		-7.0	-7.6	24.9	6.87	23.5	6.43	22.1	6.00	21.3	5.79	20.6	5.58	19.2	5.16
		-4.4	-5.0	24.9	6.47	23.5	6.06	22.1	5.66	21.3	5.46	20.6	5.27	19.2	4.88
		-3.0	-3.7	24.9	6.35	23.5	5.95	22.1	5.55	21.3	5.37	20.6	5.18	19.2	4.81
		0.0	-0.7	24.9	6.18	23.5	5.80	22.1	5.43	21.3	5.24	20.6	5.06	19.2	4.71
		3.0	2.2	24.9	6.08	23.5	5.71	22.1	5.36	21.3	5.18	20.6	5.01	19.2	4.66
		5.0	4.0	24.9	6.04	23.5	5.69	22.1	5.34	21.3	5.17	20.6	5.00	19.2	4.66
		7.0	6.0	24.9	5.86	23.5	5.49	22.1	5.12	21.3	4.94	20.6	4.77	19.2	4.42
		9.0	7.9	24.9	5.54	23.5	5.19	22.1	4.85	21.3	4.68	20.6	4.52	19.2	4.19
		11.0	9.8	24.9	5.24	23.5	4.91	22.1	4.60	21.3	4.44	20.6	4.29	19.2	3.98
		13.0	11.8	24.9	4.95	23.5	4.65	22.1	4.35	21.3	4.21	20.6	4.06	19.2	3.78
		15.0	13.7	24.9	4.69	23.5	4.41	22.1	4.13	21.3	4.00	20.6	3.86	19.2	3.60
60	150	-24.9	-25.0	21.3	9.06	20.1	8.47	18.9	7.89	18.3	7.60	17.7	7.32	16.5	6.77
	(16.80)	-22.8	-23.0	21.3	8.64	20.1	8.07	18.9	7.52	18.3	7.25	17.7	6.98	16.5	6.46
		-21.8	-22.0	21.3	8.44	20.1	7.89	18.9	7.35	18.3	7.09	17.7	6.83	16.5	6.31
		-20.8	-21.0	21.3	8.24	20.1	7.71	18.9	7.18	18.3	6.93	17.7	6.67	16.5	6.17
		-19.8	-20.0	21.3	8.06	20.1	7.53	18.9	7.02	18.3	6.77	17.7	6.52	16.5	6.04
		-18.8	-19.0	21.3	7.87	20.1	7.36	18.9	6.86	18.3	6.61	17.7	6.37	16.5	5.90
		-16.7	-17.0	21.3	7.49	20.1	7.01	18.9	6.53	18.3	6.30	17.7	6.07	16.5	5.62
		-13.7	-15.0	21.3	7.11	20.1	6.65	18.9	6.20	18.3	5.99	17.7	5.77	16.5	5.35
		-11.8	-13.0	21.3	6.72	20.1	6.29	18.9	5.88	18.3	5.67	17.7	5.47	16.5	5.07
		-9.8	-11.0	21.3	6.35	20.1	5.95	18.9	5.56	18.3	5.36	17.7	5.17	16.5	4.80
		-9.5	-10.0	21.3	6.17	20.1	5.78	18.9	5.40	18.3	5.22	17.7	5.03	16.5	4.67
		-8.5	-9.1	21.3	6.02	20.1	5.64	18.9	5.27	18.3	5.09	17.7	4.91	16.5	4.56
		-7.0	-7.6	21.3	5.78	20.1	5.42	18.9	5.07	18.3	4.90	17.7	4.73	16.5	4.39
		-4.4	-5.0	21.3	5.46	20.1	5.12	18.9	4.80	18.3	4.64	17.7	4.48	16.5	4.17
		-3.0	-3.7	21.3	5.37	20.1	5.04	18.9	4.71	18.3	4.57	17.7	4.41	16.5	4.11
		0.0	-0.7	21.3	5.24	20.1	4.93	18.9	4.63	18.3	4.48	17.7	4.33	16.5	4.04
		3.0	2.2	21.3	5.18	20.1	4.88	18.9	4.59	18.3	4.44	17.7	4.30	16.5	4.02
		5.0	4.0	21.3	5.16	20.1	4.87	18.9	4.59	18.3	4.44	17.7	4.30	16.5	4.03
		7.0	6.0	21.3	4.94	20.1	4.64	18.9	4.34	18.3	4.20	17.7	4.06	16.5	3.77
		9.0	7.9	21.3	4.68	20.1	4.40	18.9	4.12	18.3	3.99	17.7	3.85	16.5	3.59
		11.0	9.8	21.3	4.44	20.1	4.18	18.9	3.92	18.3	3.79	17.7	3.66	16.5	3.42
		13.0	11.8	21.3	4.20	20.1	3.96	18.9	3.72	18.3	3.60	17.7	3.48	16.5	3.25
		15.0	13.7	21.3	4.00	20.1	3.76	18.9	3.54	18.3	3.43	17.7	3.32	16.5	3.10
50	125	-24.9	-25.0	17.8	7.36	16.8	6.90	15.8	6.45	15.2	6.23	14.7	6.01	13.7	5.58
	(14.00)	-22.8	-23.0	17.8	7.02	16.8	6.58	15.8	6.15	15.2	5.94	14.7	5.73	13.7	5.32
		-21.8	-22.0	17.8	6.86	16.8	6.44	15.8	6.02	15.2	5.81	14.7	5.61	13.7	5.21
		-20.8	-21.0	17.8	6.71	16.8	6.29	15.8	5.88	15.2	5.68	14.7	5.48	13.7	5.09
		-19.8	-20.0	17.8	6.56	16.8	6.15	15.8	5.75	15.2	5.56	14.7	5.36	13.7	4.98
		-18.8	-19.0	17.8	6.41	16.8	6.01	15.8	5.62	15.2	5.43	14.7	5.24	13.7	4.87
		-16.7	-17.0	17.8	6.11	16.8	5.73	15.8	5.36	15.2	5.18	14.7	5.00	13.7	4.65
		-13.7	-15.0	17.8	5.80	16.8	5.45	15.8	5.10	15.2	4.93	14.7	4.76	13.7	4.42
		-11.8	-13.0	17.8	5.50	16.8	5.16	15.8	4.84	15.2	4.67	14.7	4.51	13.7	4.20
		-9.8	-11.0	17.8	5.20	16.8	4.89	15.8	4.58	15.2	4.43	14.7	4.28	13.7	3.98
		-9.5	-10.0	17.8	5.06	16.8	4.76	15.8	4.46	15.2	4.31	14.7	4.17	13.7	3.88
		-8.5	-9.1	17.8	4.94	16.8	4.64	15.8	4.36	15.2	4.21	14.7	4.07	13.7	3.79
		-7.0	-7.6	17.8	4.75	16.8	4.47	15.8	4.20	15.2	4.06	14.7	3.93	13.7	3.66
		-4.4	-5.0	17.8	4.50	16.8	4.24	15.8	3.98	15.2	3.86	14.7	3.73	13.7	3.48
		-3.0	-3.7	17.8	4.42	16.8	4.16	15.8	3.91	15.2	3.79	14.7	3.67	13.7	3.43
		0.0	-0.7	17.8	4.35	16.8	4.11	15.8	3.87	15.2	3.75	14.7	3.63	13.7	3.40
		3.0	2.2	17.8	4.50	16.8	4.25	15.8	4.01	15.2	3.89	14.7	3.77	13.7	3.54
		5.0	4.0	17.8	4.69	16.8	4.44	15.8	4.20	15.2	4.07	14.7	3.95	13.7	3.71
		7.0	6.0	17.8	4.08	16.8	3.84	15.8	3.61	15.2	3.49	14.7	3.38	13.7	3.16
		9.0	7.9	17.8	3.87	16.8	3.65	15.8	3.43	15.2	3.33	14.7	3.22	13.7	3.01
		11.0	9.8	17.8	3.68	16.8	3.47	15.8	3.27	15.2	3.17	14.7	3.07	13.7	2.87
		13.0	11.8	17.8	3.50	16.8	3.30	15.8	3.11	15.2	3.02	14.7	2.92	13.7	2.74
		15.0	13.7	17.8	3.33	16.8	3.15	15.8	2.97	15.2	2.88	14.7	2.79	13.7	2.62

CC08A004

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ14PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
130	455 (52.00)	-24.9	-25.0	29.9	8.23	29.8	8.82	29.7	9.40	29.6	9.69	29.6	10.0	29.5	10.6
		-22.8	-23.0	31.4	8.71	31.3	9.26	31.2	9.81	31.1	10.1	31.1	10.4	31.0	10.9
		-21.8	-22.0	32.1	8.90	32.0	9.43	31.9	10.0	31.8	10.2	31.8	10.5	31.7	11.0
		-20.8	-21.0	32.8	9.06	32.7	9.58	32.6	10.1	32.5	10.4	32.5	10.6	32.3	11.1
		-19.8	-20.0	33.4	9.20	33.3	9.71	33.2	10.2	33.2	10.5	33.1	10.7	33.0	11.2
		-18.8	-19.0	34.1	9.33	34.0	9.82	33.9	10.3	33.9	10.6	33.8	10.8	33.7	11.3
		-16.7	-17.0	35.5	9.56	35.4	10.0	35.3	10.5	35.2	10.7	35.2	11.0	35.0	11.4
		-13.7	-15.0	36.8	9.78	36.7	10.2	36.6	10.7	36.6	10.9	36.5	11.1	36.4	11.6
		-11.8	-13.0	38.3	10.0	38.2	10.4	38.1	10.9	38.0	11.1	38.0	11.3	37.9	11.7
		-9.8	-11.0	39.9	10.3	39.8	10.7	39.6	11.1	39.6	11.3	39.5	11.5	39.4	11.9
		-9.5	-10.0	40.7	10.5	40.6	10.9	40.5	11.3	40.4	11.5	40.4	11.7	40.3	12.0
		-8.5	-9.1	41.5	10.6	41.4	11.0	41.3	11.4	41.2	11.6	41.2	11.8	41.1	12.2
		-7.0	-7.6	42.9	10.9	42.8	11.3	42.6	11.7	42.6	11.8	42.5	12.0	42.4	12.4
		-4.4	-5.0	45.5	11.5	45.4	11.8	45.3	12.2	45.3	12.4	45.2	12.6	45.1	12.9
		-3.0	-3.7	47.0	12.0	46.9	12.3	46.8	12.6	46.8	12.9	46.7	13.0	46.6	13.4
		0.0	-0.7	51.0	13.2	50.9	13.5	50.8	13.9	50.7	14.0	50.7	14.2	50.6	14.6
		3.0	2.2	55.5	14.4	55.4	14.7	55.3	15.1	55.2	15.2	54.7	15.2	51.0	14.0
		5.0	4.0	58.7	15.2	58.6	15.5	58.5	15.9	56.6	15.3	54.7	14.7	51.0	13.5
		7.0	6.0	51.4	11.9	51.3	12.3	51.2	12.6	51.2	12.7	51.1	12.9	51.0	13.1
		9.0	7.9	53.9	12.2	53.8	12.5	53.7	12.8	53.7	12.9	53.6	13.1	51.0	12.4
		11.0	9.8	56.6	12.5	56.5	12.7	56.4	13.0	56.3	13.1	54.7	12.7	51.0	11.7
		13.0	11.8	59.5	12.7	59.4	13.0	58.5	12.9	56.6	12.4	54.7	11.9	51.0	11.0
		15.0	13.7	62.3	12.9	62.2	13.2	58.5	12.2	56.6	11.7	54.7	11.3	51.0	10.4
120	420 (48.00)	-24.9	-25.0	29.8	9.02	29.7	9.56	29.6	10.1	29.5	10.4	29.5	10.6	29.4	11.2
		-22.8	-23.0	31.2	9.45	31.1	10.0	31.0	10.5	31.0	10.7	30.9	11.0	30.8	11.5
		-21.8	-22.0	31.9	9.62	31.8	10.1	31.7	10.6	31.7	10.9	31.6	11.1	31.6	11.6
		-20.8	-21.0	32.6	9.77	32.5	10.2	32.4	10.7	32.4	11.0	32.3	11.2	32.2	11.7
		-19.8	-20.0	33.3	9.89	33.2	10.4	33.1	10.8	33.1	11.1	33.0	11.3	32.9	11.8
		-18.8	-19.0	34.0	10.0	33.9	10.5	33.8	10.9	33.7	11.1	33.7	11.4	33.6	11.8
		-16.7	-17.0	35.3	10.2	35.2	10.6	35.1	11.1	35.1	11.3	35.0	11.5	34.9	11.9
		-13.7	-15.0	36.7	10.4	36.6	10.8	36.5	11.2	36.5	11.4	36.4	11.6	36.3	12.0
		-11.8	-13.0	38.2	10.6	38.1	11.0	38.0	11.4	37.9	11.6	37.9	11.8	37.8	12.2
		-9.8	-11.0	39.7	10.8	39.6	11.2	39.5	11.6	39.5	11.8	39.4	12.0	39.3	12.3
		-9.5	-10.0	40.5	11.0	40.5	11.4	40.4	11.7	40.3	11.9	40.3	12.1	40.2	12.5
		-8.5	-9.1	41.3	11.1	41.2	11.5	41.1	11.9	41.1	12.0	41.0	12.2	41.0	12.6
		-7.0	-7.6	42.7	11.4	42.6	11.8	42.5	12.1	42.5	12.3	42.4	12.5	42.3	12.8
		-4.4	-5.0	45.4	12.0	45.3	12.3	45.2	12.6	45.2	12.8	45.1	13.0	45.0	13.3
		-3.0	-3.7	46.9	12.5	46.8	12.8	46.7	13.1	46.7	13.3	46.6	13.4	46.5	13.8
		0.0	-0.7	50.8	13.6	50.7	14.0	50.6	14.3	50.6	14.4	50.5	14.6	47.1	13.4
		3.0	2.2	55.3	14.9	55.2	15.2	54.0	15.0	52.3	14.4	50.5	13.9	47.1	12.8
		5.0	4.0	58.5	15.7	57.5	15.6	54.0	14.5	52.3	13.9	50.5	13.4	47.1	12.3
		7.0	6.0	51.3	12.4	51.2	12.6	51.1	12.9	51.0	13.1	50.5	13.0	47.1	11.9
		9.0	7.9	53.8	12.6	53.7	12.9	53.6	13.1	52.3	12.8	50.5	12.2	47.1	11.2
		11.0	9.8	56.4	12.8	56.3	13.1	54.0	12.5	52.3	12.0	50.5	11.5	47.1	10.6
		13.0	11.8	59.3	13.0	57.5	12.7	54.0	11.7	52.3	11.3	50.5	10.9	47.1	10.0
		15.0	13.7	60.9	12.8	57.5	11.9	54.0	11.1	52.3	10.7	50.5	10.3	47.1	9.44
110	385 (44.00)	-24.9	-25.0	29.6	9.81	29.5	10.3	29.4	10.8	29.4	11.0	29.4	11.3	29.3	11.8
		-22.8	-23.0	31.1	10.2	31.0	10.7	30.9	11.1	30.9	11.4	30.8	11.6	30.7	12.1
		-21.8	-22.0	31.8	10.3	31.7	10.8	31.6	11.3	31.6	11.5	31.5	11.7	31.4	12.2
		-20.8	-21.0	32.5	10.5	32.4	10.9	32.3	11.4	32.3	11.6	32.2	11.8	32.1	12.2
		-19.8	-20.0	33.2	10.6	33.1	11.0	33.0	11.4	32.9	11.6	32.9	11.9	32.8	12.3
		-18.8	-19.0	33.8	10.7	33.7	11.1	33.7	11.5	33.6	11.7	33.6	11.9	33.5	12.3
		-16.7	-17.0	35.2	10.8	35.1	11.2	35.0	11.6	35.0	11.8	34.9	12.0	34.8	12.4
		-13.7	-15.0	36.6	11.0	36.5	11.4	36.4	11.7	36.3	11.9	36.3	12.1	36.2	12.5
		-11.8	-13.0	38.0	11.2	37.9	11.5	37.8	11.9	37.8	12.1	37.8	12.2	37.7	12.6
		-9.8	-11.0	39.6	11.4	39.5	11.7	39.4	12.1	39.4	12.3	39.3	12.4	39.2	12.8
		-9.5	-10.0	40.4	11.5	40.3	11.9	40.2	12.2	40.2	12.4	40.1	12.5	40.1	12.9
		-8.5	-9.1	41.2	11.7	41.1	12.0	41.0	12.3	41.0	12.5	40.9	12.7	40.8	13.0
		-7.0	-7.6	42.6	11.9	42.5	12.2	42.4	12.6	42.4	12.7	42.3	12.9	42.2	13.2
		-4.4	-5.0	45.3	12.4	45.2	12.7	45.1	13.1	45.0	13.2	45.0	13.4	43.1	12.8
		-3.0	-3.7	46.8	12.9	46.7	13.2	46.6	13.5	46.5	13.7	46.3	13.8	43.1	12.7
		0.0	-0.7	50.7	14.1	50.6	14.4	49.5	14.2	47.9	13.7	46.3	13.2	43.1	12.1
		3.0	2.2	55.2	15.3	52.7	14.6	49.5	13.5	47.9	13.0	46.3	12.5	43.1	11.6
		5.0	4.0	55.9	15.0	52.7	14.0	49.5	13.1	47.9	12.6	46.3	12.1	43.1	11.2
		7.0	6.0	51.1	12.8	51.0	13.0	49.5	12.7	47.9	12.2	46.3	11.7	43.1	10.7
		9.0	7.9	53.7	13.0	52.7	12.9	49.5	11.9	47.9	11.5	46.3	11.0	43.1	10.1
		11.0	9.8	55.9	13.0	52.7	12.1	49.5	11.3	47.9	10.8	46.3	10.4	43.1	9.58
		13.0	11.8	55.9	12.2	52.7	11.4	49.5	10.6	47.9	10.2	46.3	9.80	43.1	9.03
		15.0	13.7	55.9	11.5	52.7	10.8	49.5	10.0	47.9	9.64	46.3	9.27	43.1	8.55
100	350 (40.00)	-24.9	-25.0	29.5	10.6	29.4	11.0	29.3	11.6	29.3	11.7	29.2	11.9	29.2	12.4
		-22.8	-23.0	30.9	10.9	30.9	11.4	30.8	11.8	30.8	12.0	30.7	12.2	30.6	12.6
		-21.8	-22.0	31.7	11.1	31.6	11.5	31.5	11.9	31.5	12.1	31.4	12.3	31.3	12.7
		-20.8	-21.0	32.3	11.2	32.3	11.6	32.2	12.0	32.1	12.2	32.1	12.4	32.0	12.8
		-19.8	-20.0	33.0	11.3	32.9	11.6	32.9	12.1	32.8	12.2	32.8	12.4	32.7	12.8
		-18.8	-19.0	33.7	11.3	33.6	11.7	33.5	12.1	33.5	12.3	33.5	12.5	33.4	12.8
		-16.7	-17.0	35.0	11.5	35.0	11.8	34.9	12.2	34.8	12.4	34.8	12.5	34.7	12.9
		-13.7	-15.0	36.4	11.6	36.3	11.9	36.2	12.3	36.2	12.4	36.2	12.6	36.1	12.9
		-11.8	-13.0	37.9	11.7	37.8	12.1	37.7	12.4	37.7	12.6	37.6	12.7	37.6	13.0
		-9.8	-11.0	39.4	11.9	39.4	12.3	39.3	12.6	39.2	12.7	39.2	12.9	39.1	13.2
		-9.5	-10.0	40.3	12.1	40.2	12.4	40.1	12.7	40.1	12.8	40.0	13.0	39.2	12.9
		-8.5	-9.1	41.1	12.2	41.0	12.5	40.9	12.8	40.9	12.9	40.8	13.1	39.2	12.6
		-7.0	-7.6	42.4	12.4	42.4	12.7	42.3	13.0	42.2	13.2	42.1	13.3	39.2	12.2
		-4.4	-5.0	45.1	12.9	45.0	13.2	45.0	13.5	43.6	13.0	42.1	12.5	39.2	11.5
		-3.0	-3.7	46.6	13.4	46.5	13.7	45.0	13.3	43.6	12.8	42.1	12.3	39.2	11.3
		0.0	-0.7	50.6	14.6	47.9	13.7	45.0	12.7	43.6	12.3	42.1	11.8	39.2	10.9
		3.0	2.2	50.8	13.9	47.9	13.0	45.0	12.1	43.6	11.7	42.1	11.3	39.2	10.4
		5.0	4.0	50.8	13.5	47.9	12.6	45.0	11.7	43.6	11.3	42.1	10.9	39.2	10.1
		7.0	6.0	50.8	13.1	47.9	12.2	45.0	11.3	43.6	10.9	42.1	10.4	39.2	9.61
		9.0	7.9	50.8	12.3	47.9	11.5	45.0	10.7	43.6	10.3	42.1	9.86	39.2	9.08
		11.0	9.8	50.8	11.6	47.9	10.8	45.0	10.1	43.6	9.68	42.1	9.31	39.2	8.59
		13.0	11.8	50.8	10.9	47.9	10.2	45.0	9.48	43.6	9.13	42.1	8.79	39.2	8.11
		15.0	13.7	50.8	10.3	47.9	9.63	45.0	8.97	43.6	8.64	42.1	8.32	39.2	7.69

CC08A004

NOTES

1 [ ] is shown as reference.
When selecting the unit models, avoid the Outdoor air temperature range shown by [ ].

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

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ14PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
90	315	-24.9	-25.0	29.3	11.4	29.3	11.8	29.2	12.2	29.2	12.4	29.1	12.6	29.1	13.0
	(36.00)	-22.8	-23.0	30.8	11.7	30.7	12.1	30.7	12.4	30.6	12.6	30.6	12.8	30.5	13.2
		-21.8	-22.0	31.5	11.8	31.4	12.2	31.4	12.5	31.3	12.7	31.3	12.9	31.2	13.3
		-20.8	-21.0	32.2	11.9	32.1	12.2	32.1	12.6	32.0	12.8	32.0	13.0	31.9	13.3
		-19.8	-20.0	32.9	11.9	32.8	12.3	32.7	12.6	32.7	12.8	32.7	13.0	32.6	13.3
		-18.8	-19.0	33.6	12.0	33.5	12.3	33.4	12.7	33.4	12.8	33.3	13.0	33.3	13.4
		-16.7	-17.0	34.9	12.1	34.8	12.4	34.8	12.7	34.7	12.9	34.7	13.1	34.6	13.4
		-13.7	-15.0	36.3	12.2	36.2	12.5	36.1	12.8	36.1	13.0	36.1	13.1	35.3	13.0
		-11.8	-13.0	37.7	12.3	37.7	12.6	37.6	12.9	37.6	13.0	37.5	13.2	35.3	12.3
		-9.8	-11.0	39.3	12.5	39.2	12.8	39.2	13.1	39.1	13.2	37.9	12.7	35.3	11.7
		-9.5	-10.0	40.1	12.6	40.1	12.9	40.0	13.2	39.2	12.9	37.9	12.4	35.3	11.4
		-8.5	-9.1	40.9	12.7	40.8	13.0	40.5	13.1	39.2	12.6	37.9	12.1	35.3	11.2
		-7.0	-7.6	42.3	12.9	42.2	13.2	40.5	12.7	39.2	12.2	37.9	11.7	35.3	10.8
		-4.4	-5.0	45.0	13.4	43.1	12.8	40.5	11.9	39.2	11.5	37.9	11.0	35.3	10.2
		-3.0	-3.7	45.7	13.5	43.1	12.6	40.5	11.7	39.2	11.3	37.9	10.9	35.3	10.1
		0.0	-0.7	45.7	13.0	43.1	12.1	40.5	11.3	39.2	10.9	37.9	10.5	35.3	9.69
		3.0	2.2	45.7	12.3	43.1	11.6	40.5	10.8	39.2	10.4	37.9	10.0	35.3	9.29
		5.0	4.0	45.7	11.9	43.1	11.2	40.5	10.4	39.2	10.1	37.9	9.72	35.3	9.02
		7.0	6.0	45.7	11.5	43.1	10.7	40.5	10.0	39.2	9.61	37.9	9.24	35.3	8.53
		9.0	7.9	45.7	10.9	43.1	10.1	40.5	9.42	39.2	9.08	37.9	8.74	35.3	8.07
		11.0	9.8	45.7	10.2	43.1	9.57	40.5	8.91	39.2	8.59	37.9	8.27	35.3	7.64
		13.0	11.8	45.7	9.65	43.1	9.02	40.5	8.41	39.2	8.11	37.9	7.81	35.3	7.23
		15.0	13.7	45.7	9.13	43.1	8.54	40.5	7.97	39.2	7.69	37.9	7.41	35.3	6.86
80	280	-24.9	-25.0	29.2	12.2	29.1	12.5	29.1	12.9	29.0	13.1	29.0	13.2	28.9	13.6
	(32.00)	-22.8	-23.0	30.7	12.4	30.6	12.8	30.5	13.1	30.5	13.3	30.5	13.4	30.4	13.8
		-21.8	-22.0	31.4	12.5	31.3	12.8	31.2	13.2	31.2	13.3	31.2	13.5	31.1	13.8
		-20.8	-21.0	32.1	12.6	32.0	12.9	31.9	13.2	31.9	13.4	31.9	13.5	31.4	13.6
		-19.8	-20.0	32.7	12.6	32.7	12.9	32.6	13.3	32.6	13.4	32.6	13.6	31.4	13.2
		-18.8	-19.0	33.4	12.7	33.4	13.0	33.3	13.3	33.3	13.4	33.2	13.6	31.4	12.7
		-16.7	-17.0	34.8	12.7	34.7	13.0	34.6	13.3	34.6	13.4	33.7	13.1	31.4	12.0
		-13.7	-15.0	36.1	12.8	36.1	13.1	36.0	13.3	34.8	12.8	33.7	12.3	31.4	11.3
		-11.8	-13.0	37.6	12.9	37.5	13.1	36.0	12.6	34.8	12.1	33.7	11.7	31.4	10.7
		-9.8	-11.0	39.2	13.0	38.3	12.9	36.0	12.0	34.8	11.5	33.7	11.1	31.4	10.2
		-9.5	-10.0	40.0	13.1	38.3	12.6	36.0	11.7	34.8	11.2	33.7	10.8	31.4	10.0
		-8.5	-9.1	40.6	13.2	38.3	12.3	36.0	11.4	34.8	11.0	33.7	10.6	31.4	9.78
		-7.0	-7.6	40.6	12.7	38.3	11.9	36.0	11.0	34.8	10.6	33.7	10.2	31.4	9.46
		-4.4	-5.0	40.6	12.0	38.3	11.2	36.0	10.4	34.8	10.0	33.7	9.67	31.4	8.95
		-3.0	-3.7	40.6	11.8	38.3	11.0	36.0	10.3	34.8	9.91	33.7	9.55	31.4	8.84
		0.0	-0.7	40.6	11.3	38.3	10.6	36.0	9.90	34.8	9.56	33.7	9.21	31.4	8.54
		3.0	2.2	40.6	10.8	38.3	10.1	36.0	9.48	34.8	9.16	33.7	8.84	31.4	8.21
		5.0	4.0	40.6	10.5	38.3	9.84	36.0	9.21	34.8	8.90	33.7	8.59	31.4	7.99
		7.0	6.0	40.6	10.0	38.3	9.36	36.0	8.72	34.8	8.40	33.7	8.09	31.4	7.48
		9.0	7.9	40.6	9.46	38.3	8.85	36.0	8.25	34.8	7.95	33.7	7.66	31.4	7.09
		11.0	9.8	40.6	8.94	38.3	8.37	36.0	7.81	34.8	7.54	33.7	7.27	31.4	6.73
		13.0	11.8	40.6	8.44	38.3	7.91	36.0	7.38	34.8	7.13	33.7	6.88	31.4	6.38
		15.0	13.7	40.6	8.00	38.3	7.50	36.0	7.01	34.8	6.77	33.7	6.53	31.4	6.07
70	245	-24.9	-25.0	29.1	12.9	29.0	13.3	28.9	13.6	28.9	13.7	28.9	13.9	27.5	13.2
	(28.00)	-22.8	-23.0	30.5	13.2	30.5	13.5	30.4	13.8	30.4	13.9	29.5	13.4	27.5	12.4
		-21.8	-22.0	31.2	13.2	31.2	13.5	31.1	13.8	30.5	13.5	29.5	13.0	27.5	12.0
		-20.8	-21.0	31.9	13.3	31.9	13.6	31.5	13.6	30.5	13.1	29.5	12.6	27.5	11.6
		-19.8	-20.0	32.6	13.3	32.5	13.6	31.5	13.2	30.5	12.7	29.5	12.2	27.5	11.3
		-18.8	-19.0	33.3	13.3	33.2	13.6	31.5	12.8	30.5	12.3	29.5	11.9	27.5	10.9
		-16.7	-17.0	34.6	13.3	33.5	13.0	31.5	12.1	30.5	11.6	29.5	11.2	27.5	10.3
		-13.7	-15.0	35.5	13.1	33.5	12.2	31.5	11.4	30.5	11.0	29.5	10.6	27.5	9.74
		-11.8	-13.0	35.5	12.4	33.5	11.6	31.5	10.8	30.5	10.4	29.5	10.0	27.5	9.25
		-9.8	-11.0	35.5	11.8	33.5	11.0	31.5	10.3	30.5	9.89	29.5	9.53	27.5	8.81
		-9.5	-10.0	35.5	11.5	33.5	10.8	31.5	10.0	30.5	9.66	29.5	9.31	27.5	8.61
		-8.5	-9.1	35.5	11.3	33.5	10.5	31.5	9.82	30.5	9.47	29.5	9.12	27.5	8.44
		-7.0	-7.6	35.5	10.9	33.5	10.2	31.5	9.50	30.5	9.16	29.5	8.83	27.5	8.18
		-4.4	-5.0	35.5	10.3	33.5	9.62	31.5	8.98	30.5	8.67	29.5	8.36	27.5	7.75
		-3.0	-3.7	35.5	10.1	33.5	9.50	31.5	8.85	30.5	8.57	29.5	8.27	27.5	7.67
		0.0	-0.7	35.5	9.77	33.5	9.17	31.5	8.58	30.5	8.29	29.5	8.00	27.5	7.44
		3.0	2.2	35.5	9.36	33.5	8.79	31.5	8.24	30.5	7.97	29.5	7.70	27.5	7.17
		5.0	4.0	35.5	9.08	33.5	8.55	31.5	8.02	30.5	7.76	29.5	7.50	27.5	6.99
		7.0	6.0	35.5	8.60	33.5	8.05	31.5	7.52	30.5	7.26	29.5	7.00	27.5	6.49
		9.0	7.9	35.5	8.13	33.5	7.62	31.5	7.13	30.5	6.88	29.5	6.64	27.5	6.16
		11.0	9.8	35.5	7.70	33.5	7.23	31.5	6.76	30.5	6.53	29.5	6.30	27.5	5.86
		13.0	11.8	35.5	7.28	33.5	6.84	31.5	6.40	30.5	6.19	29.5	5.98	27.5	5.56
		15.0	13.7	35.5	6.92	33.5	6.50	31.5	6.09	30.5	5.89	29.5	5.69	27.5	5.30
60	210	-24.9	-25.0	28.9	13.7	28.7	13.9	27.0	12.9	26.1	12.4	25.3	12.0	23.5	11.0
	(24.00)	-22.8	-23.0	30.4	13.9	28.7	13.0	27.0	12.1	26.1	11.7	25.3	11.2	23.5	10.4
		-21.8	-22.0	30.5	13.5	28.7	12.6	27.0	11.7	26.1	11.3	25.3	10.9	23.5	10.05
		-20.8	-21.0	30.5	13.1	28.7	12.2	27.0	11.4	26.1	11.0	25.3	10.6	23.5	9.75
		-19.8	-20.0	30.5	12.7	28.7	11.9	27.0	11.0	26.1	10.6	25.3	10.2	23.5	9.47
		-18.8	-19.0	30.5	12.3	28.7	11.5	27.0	10.7	26.1	10.3	25.3	9.95	23.5	9.19
		-16.7	-17.0	30.5	11.6	28.7	10.8	27.0	10.1	26.1	9.75	25.3	9.39	23.5	8.69
		-13.7	-15.0	30.5	11.0	28.7	10.3	27.0	9.56	26.1	9.22	25.3	8.89	23.5	8.23
		-11.8	-13.0	30.5	10.4	28.7	9.73	27.0	9.08	26.1	8.76	25.3	8.45	23.5	7.83
		-9.8	-11.0	30.5	9.89	28.7	9.26	27.0	8.65	26.1	8.35	25.3	8.06	23.5	7.47
		-9.5	-10.0	30.5	9.66	28.7	9.05	27.0	8.46	26.1	8.17	25.3	7.88	23.5	7.31
		-8.5	-9.1	30.5	9.46	28.7	8.87	27.0	8.29	26.1	8.01	25.3	7.73	23.5	7.17
		-7.0	-7.6	30.5	9.16	28.7	8.59	27.0	8.03	26.1	7.76	25.3	7.49	23.5	6.96
		-4.4	-5.0	30.5	8.67	28.7	8.14	27.0	7.62	26.1	7.37	25.3	7.11	23.5	6.62
		-3.0	-3.7	30.5	8.57	28.7	8.05	27.0	7.52	26.1	7.29	25.3	7.04	23.5	6.56
		0.0	-0.7	30.5	8.28	28.7	7.79	27.0	7.31	26.1	7.08	25.3	6.84	23.5	6.38
		3.0	2.2	30.5	7.97	28.7	7.51	27.0	7.06	26.1	6.83	25.3	6.61	23.5	6.18
		5.0	4.0	30.5	7.75	28.7	7.31	27.0	6.88	26.1	6.67	25.3	6.46	23.5	6.04
		7.0	6.0	30.5	7.25	28.7	6.81	27.0	6.38	26.1	6.16	25.3	5.95	23.5	5.54
		9.0	7.9	30.5	6.88	28.7	6.46	27.0	6.06	26.1	5.86	25.3	5.66	23.5	5.27
		11.0	9.8	30.5	6.53	28.7	6.14	27.0	5.76	26.1	5.57	25.3	5.39	23.5	5.02
		13.0	11.8	30.5	6.19	28.7	5.82	27.0	5.47	26.1	5.29	25.3	5.12	23.5	4.78
		15.0	13.7	30.5	5.89	28.7	5.55	27.0	5.21	26.1	5.05	25.3	4.88	23.5	4.56
50	175	-24.9	-25.0	25.4	12.0	23.9	11.2	22.5	10.5	21.8	10.1	21.1	9.73	19.6	9.00
	(20.00)	-22.8	-23.0	25.4	11.3	23.9	10.6	22.5	9.86	21.8	9.51	21.1	9.17	19.6	8.49
		-21.8	-22.0	25.4	11.0	23.9	10.25	22.5	9.57	21.8	9.23	21.1	8.9	19.6	8.2
		-20.8	-21.0	25.4	10.6	23.9	9.95	22.5	9.29	21.8	8.96	21.1	8.6	19.6	8.0
		-19.8	-20.0	25.4	10.3	23.9	9.65	22.5	9.02	21.8	8.70	21.1	8.4	19.6	7.8
		-18.8	-19.0	25.4	10.0	23.9	9.37	22.5	8.76	21.8	8.45	21.1	8.2	19.6	7.6
		-16.7	-17.0	25.4	9.44	23.9	8.85	22.5	8.28	21.8	8.00	21.1	7.7	19.6	7.17
		-13.7	-15.0	25.4	8.94	23.9	8.39	22.5	7.85	21.8	7.58	21.1	7.3	19.6	6.80
		-11.8	-13.0	25.4	8.49	23.9	7.97	22.5	7.47	21.8	7.22	21.1	6.97	19.6	6.48
		-9.8	-11.0	25.4	8.10	23.9	7.61	22.5	7.13	21.8	6.90	21.1	6.66	19.6	6.20
		-9.5	-10.0	25.4	7.92	23.9	7.44	22.5	6.98	21.8	6.75	21.1	6.52	19.6	6.08
		-8.5	-9.1	25.4	7.77	23.9	7.30	22.5	6.85	21.8	6.63	21.1	6.40	19.6	5.97
		-7.0	-7.6	25.4	7.53	23.9	7.08	22.5	6.65	21.8	6.43	21.1	6.22	19.6	5.80
		-4.4	-5.0	25.4	7.15	23.9	6.74	22.5	6.33	21.8	6.13	21.1	5.93	19.6	5.53
		-3.0	-3.7	25.4	6.97	23.9	6.57	22.5	6.18	21.8	5.98	21.1	5.79	19.6	5.41
		0.0	-0.7	25.4	6.56	23.9	6.19	22.5	5.83	21.8	5.65	21.1	5.47	19.6	5.12
		3.0	2.2	25.4	6.13	23.9	5.80	22.5	5.47	21.8	5.30	21.1	5.14	19.6	4.82
		5.0	4.0	25.4	5.84	23.9	5.52	22.5	5.21	21.8	5.06	21.1	4.91	19.6	4.61
		7.0	6.0	25.4	5.98	23.9	5.64	22.5	5.29	21.8	5.13	21.1	4.96	19.6	4.63
		9.0	7.9	25.4	5.69	23.9	5.36	22.5	5.04	21.8	4.89	21.1	4.73	19.6	4.42
		11.0	9.8	25.4	5.41	23.9	5.11	22.5	4.81	21.8	4.66	21.1	4.51	19.6	4.22
		13.0	11.8	25.4	5.15	23.9	4.86	22.5	4.58	21.8	4.44	21.1	4.30	19.6	4.03
		15.0	13.7	25.4	4.91	23.9	4.64	22.5	4.37	21.8	4.24	21.1	4.11	19.6	3.86

CC08A004

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ16PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
130	520 (58.50)	-24.9	-25.0	33.9	9.8	33.7	10.5	33.6	11.1	33.6	11.5	33.5	11.8	33.4	12.5
		-22.8	-23.0	35.2	10.1	35.1	10.7	35.0	11.3	34.9	11.7	34.9	12.0	34.8	12.6
		-21.8	-22.0	35.9	10.2	35.8	10.8	35.7	11.4	35.6	11.8	35.6	12.1	35.5	12.7
		-20.8	-21.0	36.6	10.4	36.5	11.0	36.4	11.6	36.3	11.9	36.3	12.1	36.2	12.7
		-19.8	-20.0	37.3	10.5	37.2	11.1	37.1	11.7	37.1	12.0	37.0	12.2	36.9	12.8
		-18.8	-19.0	38.1	10.7	38.0	11.2	37.9	11.8	37.8	12.1	37.7	12.4	37.6	12.9
		-16.7	-17.0	39.6	11.0	39.5	11.5	39.4	12.1	39.3	12.3	39.3	12.6	39.2	13.1
		-13.7	-15.0	41.2	11.3	41.1	11.8	41.0	12.3	40.9	12.6	40.9	12.9	40.8	13.4
		-11.8	-13.0	42.9	11.7	42.8	12.2	42.7	12.7	42.6	12.9	42.6	13.2	42.5	13.6
		-9.8	-11.0	44.7	12.1	44.6	12.6	44.5	13.0	44.4	13.3	44.4	13.5	44.2	14.0
		-9.5	-10.0	45.6	12.3	45.5	12.8	45.4	13.2	45.3	13.5	45.3	13.7	45.2	14.2
		-8.5	-9.1	46.5	12.5	46.4	13.0	46.2	13.4	46.2	13.6	46.1	13.9	46.0	14.3
		-7.0	-7.6	47.9	12.9	47.8	13.3	47.7	13.7	47.7	14.0	47.6	14.2	47.5	14.6
		-4.4	-5.0	50.6	13.5	50.5	13.9	50.4	14.4	50.3	14.6	50.3	14.8	50.2	15.2
		-3.0	-3.7	52.0	14.0	51.9	14.4	51.8	14.8	51.7	15.1	51.7	15.3	51.6	15.7
		0.0	-0.7	55.5	15.0	55.4	15.5	55.2	15.9	55.2	16.1	55.1	16.3	55.0	16.7
		3.0	2.2	59.1	15.8	59.0	16.2	58.8	16.6	58.8	16.8	58.7	17.0	56.6	16.5
		5.0	4.0	61.5	16.2	61.3	16.6	61.2	17.0	61.2	17.2	60.8	17.2	56.6	15.9
		7.0	6.0	56.0	13.2	55.9	13.5	55.8	13.9	55.7	14.0	55.6	14.2	55.5	14.5
		9.0	7.9	58.7	13.5	58.6	13.8	58.5	14.1	58.5	14.3	58.4	14.4	56.6	14.1
		11.0	9.8	61.6	13.7	61.5	14.1	61.4	14.4	61.3	14.5	60.8	14.5	56.6	13.3
		13.0	11.8	64.8	14.0	64.6	14.3	64.5	14.6	62.9	14.2	60.8	13.6	56.6	12.5
		15.0	13.7	67.9	14.3	67.8	14.6	65.0	13.9	62.9	13.4	60.8	12.9	56.6	11.8
120	480 (54.00)	-24.9	-25.0	33.7	10.7	33.6	11.3	33.5	11.9	33.4	12.2	33.4	12.5	33.3	13.1
		-22.8	-23.0	35.1	10.9	35.0	11.5	34.8	12.1	34.8	12.4	34.7	12.7	34.6	13.2
		-21.8	-22.0	35.8	11.1	35.6	11.6	35.5	12.2	35.5	12.5	35.4	12.7	35.3	13.3
		-20.8	-21.0	36.5	11.2	36.4	11.7	36.3	12.3	36.2	12.5	36.1	12.8	36.0	13.4
		-19.8	-20.0	37.2	11.3	37.1	11.8	37.0	12.4	36.9	12.6	36.9	12.9	36.8	13.4
		-18.8	-19.0	37.9	11.4	37.8	11.9	37.7	12.5	37.7	12.7	37.6	13.0	37.5	13.5
		-16.7	-17.0	39.5	11.7	39.4	12.2	39.3	12.7	39.2	12.9	39.2	13.2	39.0	13.7
		-13.7	-15.0	41.1	12.0	41.0	12.5	40.9	13.0	40.8	13.2	40.8	13.4	40.7	13.9
		-11.8	-13.0	42.8	12.4	42.7	12.8	42.6	13.3	42.5	13.5	42.4	13.7	42.3	14.2
		-9.8	-11.0	44.5	12.7	44.4	13.2	44.3	13.6	44.3	13.8	44.2	14.0	44.1	14.5
		-9.5	-10.0	45.5	12.9	45.4	13.4	45.3	13.8	45.2	14.0	45.1	14.2	45.0	14.6
		-8.5	-9.1	46.3	13.1	46.2	13.5	46.1	14.0	46.1	14.2	46.0	14.4	45.9	14.8
		-7.0	-7.6	47.8	13.5	47.7	13.9	47.6	14.3	47.5	14.5	47.5	14.7	47.4	15.1
		-4.4	-5.0	50.5	14.1	50.4	14.5	50.2	14.9	50.2	15.1	50.1	15.3	50.0	15.7
		-3.0	-3.7	51.9	14.6	51.8	15.0	51.7	15.3	51.6	15.6	51.6	15.8	51.4	16.1
		0.0	-0.7	55.3	15.6	55.2	16.0	55.1	16.4	55.1	16.5	55.0	16.7	52.3	15.9
		3.0	2.2	58.9	16.4	58.8	16.7	58.7	17.1	58.1	17.0	56.1	16.3	52.3	15.0
		5.0	4.0	61.3	16.7	61.2	17.1	60.0	17.0	58.1	16.3	56.1	15.7	52.3	14.4
		7.0	6.0	55.8	13.6	55.7	13.9	55.6	14.3	55.6	14.4	55.5	14.6	52.3	13.6
		9.0	7.9	58.6	13.9	58.5	14.2	58.4	14.5	58.1	14.6	56.1	14.0	52.3	12.8
		11.0	9.8	61.5	14.2	61.3	14.5	60.0	14.3	58.1	13.7	56.1	13.2	52.3	12.1
		13.0	11.8	64.6	14.4	63.9	14.5	60.0	13.4	58.1	12.9	56.1	12.4	52.3	11.4
		15.0	13.7	67.7	14.6	63.9	13.6	60.0	12.7	58.1	12.2	56.1	11.7	52.3	10.8
110	440 (49.50)	-24.9	-25.0	33.6	11.6	33.5	12.2	33.4	12.7	33.3	13.0	33.3	13.3	33.2	13.8
		-22.8	-23.0	34.9	11.8	34.8	12.3	34.7	12.8	34.7	13.1	34.6	13.4	34.5	13.9
		-21.8	-22.0	35.6	11.9	35.5	12.4	35.4	12.9	35.4	13.2	35.3	13.4	35.2	13.9
		-20.8	-21.0	36.3	12.0	36.2	12.5	36.1	13.0	36.1	13.2	36.0	13.5	35.9	14.0
		-19.8	-20.0	37.0	12.1	36.9	12.6	36.8	13.0	36.8	13.3	36.7	13.5	36.6	14.0
		-18.8	-19.0	37.8	12.2	37.7	12.7	37.6	13.1	37.5	13.4	37.5	13.6	37.4	14.1
		-16.7	-17.0	39.3	12.4	39.2	12.9	39.1	13.3	39.1	13.6	39.0	13.8	38.9	14.2
		-13.7	-15.0	40.9	12.7	40.8	13.1	40.7	13.6	40.7	13.8	40.6	14.0	40.5	14.4
		-11.8	-13.0	42.6	13.0	42.5	13.4	42.4	13.8	42.4	14.0	42.3	14.3	42.2	14.7
		-9.8	-11.0	44.4	13.4	44.3	13.8	44.2	14.2	44.1	14.4	44.1	14.6	44.0	15.0
		-9.5	-10.0	45.3	13.6	45.2	13.9	45.1	14.3	45.1	14.5	45.0	14.7	44.9	15.1
		-8.5	-9.1	46.2	13.7	46.1	14.1	46.0	14.5	45.9	14.7	45.9	14.9	45.8	15.3
		-7.0	-7.6	47.6	14.1	47.5	14.4	47.4	14.8	47.4	15.0	47.3	15.2	47.2	15.6
		-4.4	-5.0	50.3	14.7	50.2	15.0	50.1	15.4	50.1	15.6	50.0	15.7	47.9	15.1
		-3.0	-3.7	51.7	15.2	51.6	15.5	51.5	15.8	51.5	16.1	51.4	16.2	47.9	14.9
		0.0	-0.7	55.2	16.2	55.1	16.5	55.0	16.8	53.2	16.2	51.5	15.6	47.9	14.3
		3.0	2.2	58.8	16.9	58.5	17.2	55.0	16.0	53.2	15.4	51.5	14.8	47.9	13.6
		5.0	4.0	61.1	17.3	58.5	16.5	55.0	15.3	53.2	14.7	51.5	14.2	47.9	13.1
		7.0	6.0	55.7	14.1	55.6	14.4	55.0	14.5	53.2	13.9	51.5	13.4	47.9	12.3
		9.0	7.9	58.4	14.3	58.3	14.6	55.0	13.6	53.2	13.1	51.5	12.6	47.9	11.6
		11.0	9.8	61.3	14.6	58.5	13.8	55.0	12.8	53.2	12.4	51.5	11.9	47.9	10.9
		13.0	11.8	62.1	14.0	58.5	13.0	55.0	12.1	53.2	11.6	51.5	11.2	47.9	10.3
		15.0	13.7	62.1	13.2	58.5	12.3	55.0	11.4	53.2	11.0	51.5	10.6	47.9	9.8
100	400 (45.00)	-24.9	-25.0	33.4	12.5	33.3	13.0	33.2	13.5	33.2	13.8	33.1	14.0	33.0	14.5
		-22.8	-23.0	34.7	12.6	34.7	13.1	34.6	13.6	34.5	13.8	34.5	14.1	34.4	14.5
		-21.8	-22.0	35.4	12.7	35.4	13.2	35.3	13.6	35.2	13.9	35.2	14.1	35.1	14.6
		-20.8	-21.0	36.2	12.8	36.1	13.2	36.0	13.7	35.9	13.9	35.9	14.1	35.8	14.6
		-19.8	-20.0	36.9	12.9	36.8	13.3	36.7	13.7	36.7	14.0	36.6	14.2	36.5	14.6
		-18.8	-19.0	37.6	12.9	37.5	13.4	37.4	13.8	37.4	14.0	37.4	14.2	37.3	14.7
		-16.7	-17.0	39.2	13.1	39.1	13.6	39.0	14.0	38.9	14.2	38.9	14.4	38.8	14.8
		-13.7	-15.0	40.8	13.4	40.7	13.8	40.6	14.2	40.5	14.4	40.5	14.6	40.4	15.0
		-11.8	-13.0	42.5	13.7	42.4	14.0	42.3	14.4	42.2	14.6	42.2	14.8	42.1	15.2
		-9.8	-11.0	44.2	14.0	44.1	14.4	44.1	14.7	44.0	14.9	44.0	15.1	43.6	15.3
		-9.5	-10.0	45.2	14.2	45.1	14.5	45.0	14.9	44.9	15.1	44.9	15.2	43.6	14.9
		-8.5	-9.1	46.0	14.4	45.9	14.7	45.8	15.0	45.8	15.2	45.7	15.4	43.6	14.7
		-7.0	-7.6	47.5	14.7	47.4	15.0	47.3	15.3	47.3	15.5	46.8	15.5	43.6	14.2
		-4.4	-5.0	50.2	15.2	50.1	15.6	50.0	15.9	48.4	15.3	46.8	14.7	43.6	13.5
		-3.0	-3.7	51.6	15.7	51.5	16.1	50.0	15.7	48.4	15.1	46.8	14.5	43.6	13.4
		0.0	-0.7	55.0	16.7	53.2	16.2	50.0	15.1	48.4	14.5	46.8	14.0	43.6	12.9
		3.0	2.2	56.4	16.4	53.2	15.4	50.0	14.3	48.4	13.8	46.8	13.2	43.6	12.2
		5.0	4.0	56.4	15.8	53.2	14.7	50.0	13.7	48.4	13.2	46.8	12.7	43.6	11.8
		7.0	6.0	55.5	14.6	53.2	13.9	50.0	12.9	48.4	12.4	46.8	11.9	43.6	11.0
		9.0	7.9	56.4	14.1	53.2	13.1	50.0	12.2	48.4	11.7	46.8	11.3	43.6	10.4
		11.0	9.8	56.4	13.2	53.2	12.4	50.0	11.5	48.4	11.1	46.8	10.6	43.6	9.8
		13.0	11.8	56.4	12.5	53.2	11.6	50.0	10.8	48.4	10.4	46.8	10.0	43.6	9.3
		15.0	13.7	56.4	11.8	53.2	11.0	50.0	10.2	48.4	9.9	46.8	9.5	43.6	8.8

CC08A004

NOTES

1 [ ] is shown as reference.
When selecting the unit models, avoid the Outdoor air temperature range shown by [ ].

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

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ16PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
90	360	-24.9	-25.0	33.2	13.4	33.2	13.8	33.1	14.3	33.0	14.5	33.0	14.8	32.9	15.2
	(40.50)	-22.8	-23.0	34.6	13.5	34.5	13.9	34.4	14.3	34.4	14.5	34.4	14.8	34.3	15.2
		-21.8	-22.0	35.3	13.5	35.2	13.9	35.1	14.3	35.1	14.6	35.1	14.8	35.0	15.2
		-20.8	-21.0	36.0	13.6	35.9	14.0	35.8	14.4	35.8	14.6	35.8	14.8	35.7	15.2
		-19.8	-20.0	36.7	13.6	36.6	14.0	36.6	14.4	36.5	14.6	36.5	14.8	36.4	15.2
		-18.8	-19.0	37.5	13.7	37.4	14.1	37.3	14.5	37.3	14.7	37.2	14.9	37.2	15.2
		-16.7	-17.0	39.0	13.9	38.9	14.2	38.8	14.6	38.8	14.8	38.8	15.0	38.7	15.3
		-13.7	-15.0	40.6	14.1	40.5	14.4	40.5	14.8	40.4	15.0	40.4	15.1	39.2	14.9
		-11.8	-13.0	42.3	14.3	42.2	14.7	42.1	15.0	42.1	15.2	42.1	15.3	39.2	14.1
		-9.8	-11.0	44.1	14.6	44.0	15.0	43.9	15.3	43.6	15.3	42.1	14.7	39.2	13.5
		-9.5	-10.0	45.0	14.8	44.9	15.1	44.8	15.4	43.6	14.9	42.1	14.4	39.2	13.2
		-8.5	-9.1	45.9	15.0	45.8	15.3	45.0	15.2	43.6	14.7	42.1	14.1	39.2	13.0
		-7.0	-7.6	47.3	15.3	47.2	15.6	45.0	14.8	43.6	14.2	42.1	13.7	39.2	12.6
		-4.4	-5.0	50.0	15.8	47.9	15.1	45.0	14.1	43.6	13.5	42.1	13.0	39.2	12.0
		-3.0	-3.7	50.8	16.0	47.9	14.9	45.0	13.8	43.6	13.4	42.1	12.9	39.2	11.9
		0.0	-0.7	50.8	15.3	47.9	14.3	45.0	13.3	43.6	12.9	42.1	12.4	39.2	11.4
		3.0	2.2	50.8	14.5	47.9	13.6	45.0	12.7	43.6	12.2	42.1	11.8	39.2	10.9
		5.0	4.0	50.8	14.0	47.9	13.1	45.0	12.2	43.6	11.8	42.1	11.3	39.2	10.5
		7.0	6.0	50.8	13.1	47.9	12.3	45.0	11.4	43.6	11.0	42.1	10.6	39.2	9.7
		9.0	7.9	50.8	12.4	47.9	11.6	45.0	10.8	43.6	10.4	42.1	10.0	39.2	9.2
		11.0	9.8	50.8	11.7	47.9	10.9	45.0	10.2	43.6	9.8	42.1	9.4	39.2	8.7
		13.0	11.8	50.8	11.0	47.9	10.3	45.0	9.6	43.6	9.3	42.1	8.9	39.2	8.25
		15.0	13.7	50.8	10.4	47.9	9.8	45.0	9.1	43.6	8.8	42.1	8.46	39.2	7.84
80	320	-24.9	-25.0	33.1	14.3	33.0	14.7	32.9	15.1	32.9	15.3	32.9	15.5	32.8	15.9
	(36.00)	-22.8	-23.0	34.4	14.3	34.4	14.7	34.3	15.1	34.3	15.3	34.2	15.5	34.2	15.8
		-21.8	-22.0	35.1	14.3	35.1	14.7	35.0	15.1	35.0	15.3	34.9	15.4	34.9	15.8
		-20.8	-21.0	35.8	14.4	35.8	14.7	35.7	15.1	35.7	15.3	35.6	15.4	34.9	15.3
		-19.8	-20.0	36.6	14.4	36.5	14.8	36.4	15.1	36.4	15.3	36.4	15.5	34.9	14.9
		-18.8	-19.0	37.3	14.5	37.2	14.8	37.2	15.1	37.1	15.3	37.1	15.5	34.9	14.4
		-16.7	-17.0	38.8	14.6	38.8	14.9	38.7	15.2	38.7	15.4	37.4	14.8	34.9	13.6
		-13.7	-15.0	40.5	14.8	40.4	15.1	40.0	15.2	38.7	14.6	37.4	14.1	34.9	12.9
		-11.8	-13.0	42.1	15.0	42.1	15.3	40.0	14.5	38.7	13.9	37.4	13.4	34.9	12.3
		-9.8	-11.0	43.9	15.3	42.6	14.9	40.0	13.8	38.7	13.3	37.4	12.8	34.9	11.8
		-9.5	-10.0	44.8	15.4	42.6	14.5	40.0	13.5	38.7	13.0	37.4	12.5	34.9	11.6
		-8.5	-9.1	45.1	15.3	42.6	14.3	40.0	13.3	38.7	12.8	37.4	12.3	34.9	11.3
		-7.0	-7.6	45.1	14.8	42.6	13.8	40.0	12.9	38.7	12.4	37.4	11.9	34.9	11.0
		-4.4	-5.0	45.1	14.1	42.6	13.2	40.0	12.3	38.7	11.8	37.4	11.4	34.9	10.5
		-3.0	-3.7	45.1	13.9	42.6	13.0	40.0	12.1	38.7	11.7	37.4	11.3	34.9	10.4
		0.0	-0.7	45.1	13.4	42.6	12.5	40.0	11.7	38.7	11.3	37.4	10.9	34.9	10.1
		3.0	2.2	45.1	12.7	42.6	11.9	40.0	11.1	38.7	10.8	37.4	10.4	34.9	9.6
		5.0	4.0	45.1	12.2	42.6	11.5	40.0	10.7	38.7	10.4	37.4	10.0	34.9	9.3
		7.0	6.0	45.1	11.4	42.6	10.7	40.0	10.0	38.7	9.6	37.4	9.2	34.9	8.5
		9.0	7.9	45.1	10.8	42.6	10.1	40.0	9.4	38.7	9.1	37.4	8.8	34.9	8.10
		11.0	9.8	45.1	10.2	42.6	9.6	40.0	8.9	38.7	8.6	37.4	8.29	34.9	7.69
		13.0	11.8	45.1	9.6	42.6	9.0	40.0	8.43	38.7	8.14	37.4	7.85	34.9	7.28
		15.0	13.7	45.1	9.1	42.6	8.56	40.0	8.00	38.7	7.73	37.4	7.46	34.9	6.92
70	280	-24.9	-25.0	32.9	15.2	32.9	15.5	32.8	15.9	32.8	16.1	32.7	16.2	30.5	14.9
	(31.50)	-22.8	-23.0	34.3	15.1	34.2	15.5	34.2	15.8	33.9	15.8	32.8	15.2	30.5	14.0
		-21.8	-22.0	35.0	15.1	34.9	15.5	34.9	15.8	33.9	15.3	32.8	14.7	30.5	13.5
		-20.8	-21.0	35.7	15.2	35.6	15.5	35.0	15.4	33.9	14.8	32.8	14.2	30.5	13.1
		-19.8	-20.0	36.4	15.2	36.4	15.5	35.0	14.9	33.9	14.4	32.8	13.8	30.5	12.7
		-18.8	-19.0	37.2	15.2	37.1	15.5	35.0	14.5	33.9	14.0	32.8	13.4	30.5	12.4
		-16.7	-17.0	38.7	15.3	37.3	14.7	35.0	13.7	33.9	13.2	32.8	12.7	30.5	11.7
		-13.7	-15.0	39.5	15.0	37.3	14.0	35.0	13.0	33.9	12.5	32.8	12.1	30.5	11.1
		-11.8	-13.0	39.5	14.3	37.3	13.3	35.0	12.4	33.9	11.9	32.8	11.5	30.5	10.6
		-9.8	-11.0	39.5	13.6	37.3	12.7	35.0	11.9	33.9	11.4	32.8	11.0	30.5	10.2
		-9.5	-10.0	39.5	13.3	37.3	12.5	35.0	11.6	33.9	11.2	32.8	10.8	30.5	10.0
		-8.5	-9.1	39.5	13.1	37.3	12.2	35.0	11.4	33.9	11.0	32.8	10.6	30.5	9.8
		-7.0	-7.6	39.5	12.7	37.3	11.9	35.0	11.1	33.9	10.7	32.8	10.3	30.5	9.5
		-4.4	-5.0	39.5	12.1	37.3	11.3	35.0	10.6	33.9	10.2	32.8	9.9	30.5	9.1
		-3.0	-3.7	39.5	12.0	37.3	11.2	35.0	10.4	33.9	10.1	32.8	9.8	30.5	9.1
		0.0	-0.7	39.5	11.5	37.3	10.8	35.0	10.1	33.9	9.8	32.8	9.4	30.5	8.8
		3.0	2.2	39.5	11.0	37.3	10.3	35.0	9.7	33.9	9.3	32.8	9.0	30.5	8.4
		5.0	4.0	39.5	10.6	37.3	10.0	35.0	9.3	33.9	9.0	32.8	8.7	30.5	8.1
		7.0	6.0	39.5	9.8	37.3	9.2	35.0	8.6	33.9	8.28	32.8	7.99	30.5	7.41
		9.0	7.9	39.5	9.3	37.3	8.7	35.0	8.13	33.9	7.85	32.8	7.58	30.5	7.03
		11.0	9.8	39.5	8.8	37.3	8.25	35.0	7.72	33.9	7.46	32.8	7.20	30.5	6.69
		13.0	11.8	39.5	8.32	37.3	7.81	35.0	7.31	33.9	7.07	32.8	6.83	30.5	6.35
		15.0	13.7	39.5	7.90	37.3	7.42	35.0	6.95	33.9	6.72	32.8	6.50	30.5	6.05
60	240	-24.9	-25.0	32.8	16.1	31.9	15.8	30.0	14.6	29.0	14.1	28.1	13.6	26.1	12.5
	(27.00)	-22.8	-23.0	33.9	15.8	31.9	14.7	30.0	13.7	29.0	13.2	28.1	12.7	26.1	11.7
		-21.8	-22.0	33.9	15.3	31.9	14.3	30.0	13.3	29.0	12.8	28.1	12.3	26.1	11.4
		-20.8	-21.0	33.9	14.8	31.9	13.8	30.0	12.9	29.0	12.4	28.1	11.9	26.1	11.0
		-19.8	-20.0	33.9	14.4	31.9	13.4	30.0	12.5	29.0	12.0	28.1	11.6	26.1	10.7
		-18.8	-19.0	33.9	13.9	31.9	13.0	30.0	12.1	29.0	11.7	28.1	11.3	26.1	10.4
		-16.7	-17.0	33.9	13.2	31.9	12.3	30.0	11.5	29.0	11.1	28.1	10.7	26.1	9.9
		-13.7	-15.0	33.9	12.5	31.9	11.7	30.0	10.9	29.0	10.5	28.1	10.2	26.1	9.4
		-11.8	-13.0	33.9	11.9	31.9	11.2	30.0	10.4	29.0	10.1	28.1	9.7	26.1	9.0
		-9.8	-11.0	33.9	11.4	31.9	10.7	30.0	10.0	29.0	9.6	28.1	9.3	26.1	8.6
		-9.5	-10.0	33.9	11.2	31.9	10.5	30.0	9.8	29.0	9.5	28.1	9.1	26.1	8.5
		-8.5	-9.1	33.9	11.0	31.9	10.3	30.0	9.6	29.0	9.3	28.1	9.0	26.1	8.3
		-7.0	-7.6	33.9	10.7	31.9	10.0	30.0	9.4	29.0	9.1	28.1	8.7	26.1	8.1
		-4.4	-5.0	33.9	10.2	31.9	9.6	30.0	9.0	29.0	8.7	28.1	8.4	26.1	7.8
		-3.0	-3.7	33.9	10.1	31.9	9.5	30.0	8.9	29.0	8.6	28.1	8.3	26.1	7.7
		0.0	-0.7	33.9	9.8	31.9	9.2	30.0	8.6	29.0	8.3	28.1	8.1	26.1	7.5
		3.0	2.2	33.9	9.3	31.9	8.8	30.0	8.3	29.0	8.0	28.1	7.7	26.1	7.21
		5.0	4.0	33.9	9.0	31.9	8.5	30.0	8.0	29.0	7.7	28.1	7.48	26.1	6.99
		7.0	6.0	33.9	8.28	31.9	7.77	30.0	7.28	29.0	7.04	28.1	6.79	26.1	6.32
		9.0	7.9	33.9	7.85	31.9	7.38	30.0	6.91	29.0	6.69	28.1	6.46	26.1	6.02
		11.0	9.8	33.9	7.45	31.9	7.01	30.0	6.58	29.0	6.36	28.1	6.15	26.1	5.73
		13.0	11.8	33.9	7.06	31.9	6.65	30.0	6.24	29.0	6.04	28.1	5.85	26.1	5.45
		15.0	13.7	33.9	6.72	31.9	6.33	30.0	5.95	29.0	5.76	28.1	5.58	26.1	5.21
50	200	-24.9	-25.0	28.2	13.6	26.6	12.8	25.0	11.9	24.2	11.5	23.4	11.1	21.8	10.2
	(22.50)	-22.8	-23.0	28.2	12.8	26.6	12.0	25.0	11.2	24.2	10.8	23.4	10.4	21.8	9.6
		-21.8	-22.0	28.2	12.4	26.6	11.6	25.0	10.8	24.2	10.4	23.4	10.1	21.8	9.3
		-20.8	-21.0	28.2	12.0	26.6	11.2	25.0	10.5	24.2	10.1	23.4	9.8	21.8	9.1
		-19.8	-20.0	28.2	11.7	26.6	10.9	25.0	10.2	24.2	9.8	23.4	9.5	21.8	8.8
		-18.8	-19.0	28.2	11.3	26.6	10.6	25.0	9.9	24.2	9.6	23.4	9.2	21.8	8.6
		-16.7	-17.0	28.2	10.7	26.6	10.1	25.0	9.4	24.2	9.1	23.4	8.8	21.8	8.15
		-13.7	-15.0	28.2	10.2	26.6	9.6	25.0	9.0	24.2	8.7	23.4	8.4	21.8	7.78
		-11.8	-13.0	28.2	9.8	26.6	9.2	25.0	8.6	24.2	8.3	23.4	8.01	21.8	7.45
		-9.8	-11.0	28.2	9.4	26.6	8.8	25.0	8.2	24.2	8.0	23.4	7.70	21.8	7.17
		-9.5	-10.0	28.2	9.2	26.6	8.6	25.0	8.1	24.2	7.82	23.4	7.56	21.8	7.04
		-8.5	-9.1	28.2	9.0	26.6	8.5	25.0	8.0	24.2	7.70	23.4	7.44	21.8	6.94
		-7.0	-7.6	28.2	8.8	26.6	8.3	25.0	7.8	24.2	7.51	23.4	7.26	21.8	6.77
		-4.4	-5.0	28.2	8.4	26.6	7.9	25.0	7.45	24.2	7.22	23.4	6.98	21.8	6.52
		-3.0	-3.7	28.2	8.3	26.6	7.8	25.0	7.32	24.2	7.09	23.4	6.86	21.8	6.41
		0.0	-0.7	28.2	7.93	26.6	7.48	25.0	7.04	24.2	6.82	23.4	6.60	21.8	6.18
		3.0	2.2	28.2	7.64	26.6	7.21	25.0	6.80	24.2	6.59	23.4	6.39	21.8	5.98
		5.0	4.0	28.2	7.47	26.6	7.06	25.0	6.65	24.2	6.45	23.4	6.26	21.8	5.87
		7.0	6.0	28.2	6.83	26.6	6.43	25.0	6.04	24.2	5.85	23.4	5.66	21.8	5.29
		9.0	7.9	28.2	6.49	26.6	6.12	25.0	5.76	24.2	5.58	23.4	5.40	21.8	5.05
		11.0	9.8	28.2	6.18	26.6	5.83	25.0	5.49	24.2	5.32	23.4	5.15	21.8	4.82
		13.0	11.8	28.2	5.87	26.6	5.55	25.0	5.23	24.2	5.07	23.4	4.91	21.8	4.60
		15.0	13.7	28.2	5.60	26.6	5.30	25.0	4.99	24.2	4.84	23.4	4.70	21.8	4.40

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4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ20PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °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	kW	kW
130	650 (72.80)	-24.9	-25.0	41.8	11.6	41.6	12.4	41.5	13.2	41.4	13.6	41.3	14.0	41.2	14.8
		-22.8	-23.0	43.5	11.9	43.4	12.6	43.2	13.4	43.1	13.8	43.1	14.1	42.9	14.9
		-21.8	-22.0	44.4	12.0	44.3	12.8	44.1	13.5	44.0	13.9	44.0	14.2	43.8	15.0
		-20.8	-21.0	45.3	12.2	45.2	12.9	45.0	13.6	45.0	14.0	44.9	14.3	44.8	15.0
		-19.8	-20.0	46.3	12.4	46.1	13.1	46.0	13.8	45.9	14.1	45.9	14.5	45.7	15.1
		-18.8	-19.0	47.3	12.6	47.1	13.3	47.0	13.9	46.9	14.3	46.8	14.6	46.7	15.3
		-16.7	-17.0	49.3	13.0	49.1	13.7	49.0	14.3	48.9	14.6	48.8	15.0	48.7	15.6
		-13.7	-15.0	51.3	13.6	51.2	14.2	51.1	14.8	51.0	15.1	50.9	15.4	50.8	16.0
		-11.8	-13.0	53.5	14.2	53.3	14.8	53.2	15.4	53.1	15.7	53.0	16.0	52.9	16.6
		-9.8	-11.0	55.6	14.9	55.5	15.5	55.3	16.1	55.3	16.4	55.2	16.7	55.0	17.3
		-9.5	-10.0	56.7	15.3	56.5	15.9	56.4	16.5	56.3	16.7	56.3	17.0	56.1	17.6
		-8.5	-9.1	57.7	15.6	57.5	16.2	57.4	16.8	57.3	17.1	57.2	17.4	57.1	17.9
		-7.0	-7.6	59.3	16.2	59.1	16.8	59.0	17.3	58.9	17.6	58.9	17.9	58.7	18.5
		-4.4	-5.0	62.1	17.1	61.9	17.7	61.8	18.2	61.7	18.5	61.6	18.8	61.5	19.3
		-3.0	-3.7	63.5	17.6	63.3	18.2	63.2	18.6	63.1	19.0	63.0	19.3	62.9	19.8
		0.0	-0.7	66.6	18.9	66.4	19.5	66.3	20.0	66.2	20.3	66.1	20.5	66.0	21.1
		3.0	2.2	69.4	19.3	69.3	19.9	69.1	20.4	69.1	20.6	69.0	20.9	68.8	21.4
		5.0	4.0	71.1	18.6	71.0	19.1	70.8	19.6	70.7	19.9	70.7	20.1	70.5	20.6
		7.0	6.0	74.8	17.5	74.6	17.9	74.5	18.4	74.4	18.6	74.3	18.8	70.8	17.8
		9.0	7.9	78.6	17.9	78.4	18.3	78.3	18.7	78.2	18.9	76.0	18.3	70.8	16.7
		11.0	9.8	82.5	18.3	82.4	18.6	81.3	18.6	78.6	17.9	76.0	17.2	70.8	15.7
		13.0	11.8	86.9	18.6	86.5	18.9	81.3	17.5	78.6	16.8	76.0	16.1	70.8	14.8
		15.0	13.7	91.2	18.9	86.5	17.7	81.3	16.4	78.6	15.8	76.0	15.2	70.8	14.0
120	600 (67.20)	-24.9	-25.0	41.6	12.7	41.4	13.4	41.3	14.1	41.2	14.5	41.2	14.9	41.0	15.6
		-22.8	-23.0	43.3	12.9	43.2	13.6	43.0	14.3	43.0	14.6	42.9	15.0	42.8	15.7
		-21.8	-22.0	44.2	13.0	44.1	13.7	43.9	14.4	43.9	14.7	43.8	15.0	43.7	15.7
		-20.8	-21.0	45.1	13.2	45.0	13.8	44.9	14.5	44.8	14.8	44.7	15.1	44.6	15.8
		-19.8	-20.0	46.1	13.3	46.0	14.0	45.8	14.6	45.8	14.9	45.7	15.2	45.6	15.9
		-18.8	-19.0	47.1	13.5	46.9	14.1	46.8	14.7	46.7	15.0	46.7	15.3	46.5	16.0
		-16.7	-17.0	49.1	13.9	49.0	14.5	48.8	15.1	48.8	15.4	48.7	15.7	48.6	16.3
		-13.7	-15.0	51.2	14.4	51.0	15.0	50.9	15.5	50.8	15.8	50.8	16.1	50.6	16.7
		-11.8	-13.0	53.3	15.0	53.1	15.6	53.0	16.1	52.9	16.4	52.9	16.7	52.7	17.2
		-9.8	-11.0	55.4	15.7	55.3	16.3	55.2	16.8	55.1	17.1	55.0	17.3	54.9	17.9
		-9.5	-10.0	56.5	16.1	56.4	16.6	56.2	17.1	56.2	17.4	56.1	17.7	56.0	18.2
		-8.5	-9.1	57.5	16.4	57.3	17.0	57.2	17.5	57.1	17.7	57.1	18.0	56.9	18.5
		-7.0	-7.6	59.1	17.0	59.0	17.5	58.8	18.0	58.8	18.3	58.7	18.5	58.6	19.1
		-4.4	-5.0	61.9	17.9	61.7	18.4	61.6	18.9	61.6	19.1	61.5	19.4	61.4	19.9
		-3.0	-3.7	63.3	18.3	63.1	18.9	63.0	19.3	62.9	19.6	62.9	19.9	62.7	20.4
		0.0	-0.7	66.4	19.6	66.2	20.1	66.1	20.7	66.0	20.9	66.0	21.2	65.4	21.4
		3.0	2.2	69.2	20.0	69.1	20.5	69.0	21.0	68.9	21.3	68.8	21.5	65.4	20.4
		5.0	4.0	70.9	19.3	70.8	19.7	70.6	20.2	70.6	20.4	70.2	20.5	65.4	18.8
		7.0	6.0	74.6	18.1	74.5	18.5	74.3	18.8	72.6	18.4	70.2	17.6	65.4	16.1
		9.0	7.9	78.4	18.4	78.2	18.8	75.0	18.0	72.6	17.3	70.2	16.6	65.4	15.2
		11.0	9.8	82.3	18.8	79.8	18.2	75.0	16.9	72.6	16.2	70.2	15.6	65.4	14.3
		13.0	11.8	84.6	18.4	79.8	17.1	75.0	15.8	72.6	15.2	70.2	14.6	65.4	13.5
		15.0	13.7	84.6	17.3	79.8	16.1	75.0	14.9	72.6	14.4	70.2	13.8	65.4	12.7
110	550 (61.60)	-24.9	-25.0	41.4	13.7	41.3	14.4	41.1	15.1	41.1	15.5	41.0	15.8	40.9	16.5
		-22.8	-23.0	43.1	13.9	43.0	14.6	42.9	15.2	42.8	15.5	42.7	15.8	42.6	16.5
		-21.8	-22.0	44.0	14.0	43.9	14.6	43.8	15.2	43.7	15.6	43.7	15.9	43.5	16.5
		-20.8	-21.0	44.9	14.1	44.8	14.7	44.7	15.3	44.6	15.6	44.6	15.9	44.5	16.5
		-19.8	-20.0	45.9	14.2	45.8	14.8	45.7	15.4	45.6	15.7	45.5	16.0	45.4	16.6
		-18.8	-19.0	46.9	14.4	46.8	15.0	46.6	15.5	46.6	15.8	46.5	16.1	46.4	16.7
		-16.7	-17.0	48.9	14.8	48.8	15.3	48.6	15.8	48.6	16.1	48.5	16.4	48.4	16.9
		-13.7	-15.0	51.0	15.2	50.8	15.8	50.7	16.3	50.7	16.5	50.6	16.8	50.5	17.3
		-11.8	-13.0	53.1	15.8	53.0	16.3	52.8	16.8	52.8	17.1	52.7	17.3	52.6	17.8
		-9.8	-11.0	55.2	16.5	55.1	17.0	55.0	17.5	54.9	17.7	54.9	18.0	54.7	18.5
		-9.5	-10.0	56.3	16.9	56.2	17.4	56.1	17.8	56.0	18.1	55.9	18.3	55.8	18.8
		-8.5	-9.1	57.3	17.2	57.2	17.7	57.0	18.2	57.0	18.4	56.9	18.7	56.8	19.1
		-7.0	-7.6	58.9	17.7	58.8	18.2	58.7	18.7	58.6	18.9	58.5	19.2	58.4	19.7
		-4.4	-5.0	61.7	18.6	61.6	19.1	61.4	19.5	61.4	19.8	61.3	20.0	59.9	19.8
		-3.0	-3.7	63.1	19.1	62.9	19.6	62.8	20.0	62.8	20.3	62.7	20.5	59.9	19.6
		0.0	-0.7	66.2	20.4	66.0	20.8	65.9	21.3	65.9	21.5	64.3	21.0	59.9	19.3
		3.0	2.2	69.0	20.8	68.9	21.2	68.8	21.6	66.5	20.8	64.3	20.0	59.9	18.4
		5.0	4.0	70.7	19.9	70.6	20.4	68.8	20.0	66.5	19.2	64.3	18.5	59.9	17.0
		7.0	6.0	74.4	18.6	73.2	18.5	68.8	17.2	66.5	16.5	64.3	15.8	59.9	14.6
		9.0	7.9	77.6	18.7	73.2	17.4	68.8	16.1	66.5	15.5	64.3	14.9	59.9	13.7
		11.0	9.8	77.6	17.6	73.2	16.4	68.8	15.2	66.5	14.6	64.3	14.1	59.9	12.9
		13.0	11.8	77.6	16.5	73.2	15.4	68.8	14.3	66.5	13.8	64.3	13.2	59.9	12.2
		15.0	13.7	77.6	15.6	73.2	14.5	68.8	13.5	66.5	13.0	64.3	12.5	59.9	11.5
100	500 (56.00)	-24.9	-25.0	41.2	14.8	41.1	15.5	41.0	16.1	40.9	16.4	40.9	16.7	40.7	17.3
		-22.8	-23.0	42.9	14.9	42.8	15.5	42.7	16.1	42.6	16.4	42.6	16.7	42.5	17.3
		-21.8	-22.0	43.8	15.0	43.7	15.6	43.6	16.1	43.5	16.4	43.5	16.7	43.4	17.2
		-20.8	-21.0	44.8	15.1	44.6	15.6	44.5	16.2	44.5	16.4	44.4	16.7	44.3	17.3
		-19.8	-20.0	45.7	15.2	45.6	15.7	45.5	16.3	45.4	16.5	45.4	16.8	45.3	17.3
		-18.8	-19.0	46.7	15.3	46.6	15.8	46.5	16.3	46.4	16.6	46.4	16.8	46.2	17.4
		-16.7	-17.0	48.7	15.6	48.6	16.1	48.5	16.6	48.4	16.8	48.4	17.1	48.3	17.6
		-13.7	-15.0	50.8	16.1	50.7	16.5	50.5	17.1	50.5	17.2	50.4	17.5	50.3	18.0
		-11.8	-13.0	52.9	16.6	52.8	17.1	52.7	17.5	52.6	17.8	52.6	18.0	52.4	18.5
		-9.8	-11.0	55.0	17.3	54.9	17.7	54.8	18.2	54.8	18.4	54.7	18.6	54.5	19.0
		-9.5	-10.0	56.1	17.6	56.0	18.1	55.9	18.6	55.8	18.8	55.8	19.0	54.5	18.8
		-8.5	-9.1	57.1	18.0	57.0	18.4	56.9	18.9	56.8	19.1	56.8	19.3	54.5	18.6
		-7.0	-7.6	58.7	18.5	58.6	18.9	58.5	19.4	58.4	19.6	58.4	19.8	54.5	18.3
		-4.4	-5.0	61.5	19.3	61.4	19.8	61.3	20.2	60.5	20.0	58.5	19.3	54.5	17.7
		-3.0	-3.7	62.9	19.8	62.8	20.3	62.5	20.5	60.5	19.8	58.5	19.1	54.5	17.5
		0.0	-0.7	66.0	21.1	65.9	21.5	62.5	20.3	60.5	19.6	58.5	18.8	54.5	17.3
		3.0	2.2	68.8	21.5	66.5	20.8	62.5	19.3	60.5	18.6	58.5	17.9	54.5	16.5
		5.0	4.0	70.5	20.6	66.5	19.2	62.5	17.9	60.5	17.2	58.5	16.6	54.5	15.3
		7.0	6.0	70.5	17.7	66.5	16.5	62.5	15.3	60.5	14.7	58.5	14.1	54.5	13.0
		9.0	7.9	70.5	16.7	66.5	15.5	62.5	14.4	60.5	13.9	58.5	13.3	54.5	12.3
		11.0	9.8	70.5	15.7	66.5	14.6	62.5	13.6	60.5	13.1	58.5	12.6	54.5	11.6
		13.0	11.8	70.5	14.7	66.5	13.7	62.5	12.8	60.5	12.3	58.5	11.9	54.5	10.9
		15.0	13.7	70.5	13.9	66.5	13.0	62.5	12.1	60.5	11.6	58.5	11.2	54.5	10.4

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NOTES

1 [ ] is shown as reference.
When selecting the unit models, avoid the Outdoor air temperature range shown by [ ].

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

4 Capacity tables

4 - 2 Heating capacity tables

RTSYQ20PY1

TC: Total Capacity: kW ; PI: Power Input: kW (compressor + outdoor fan motor)

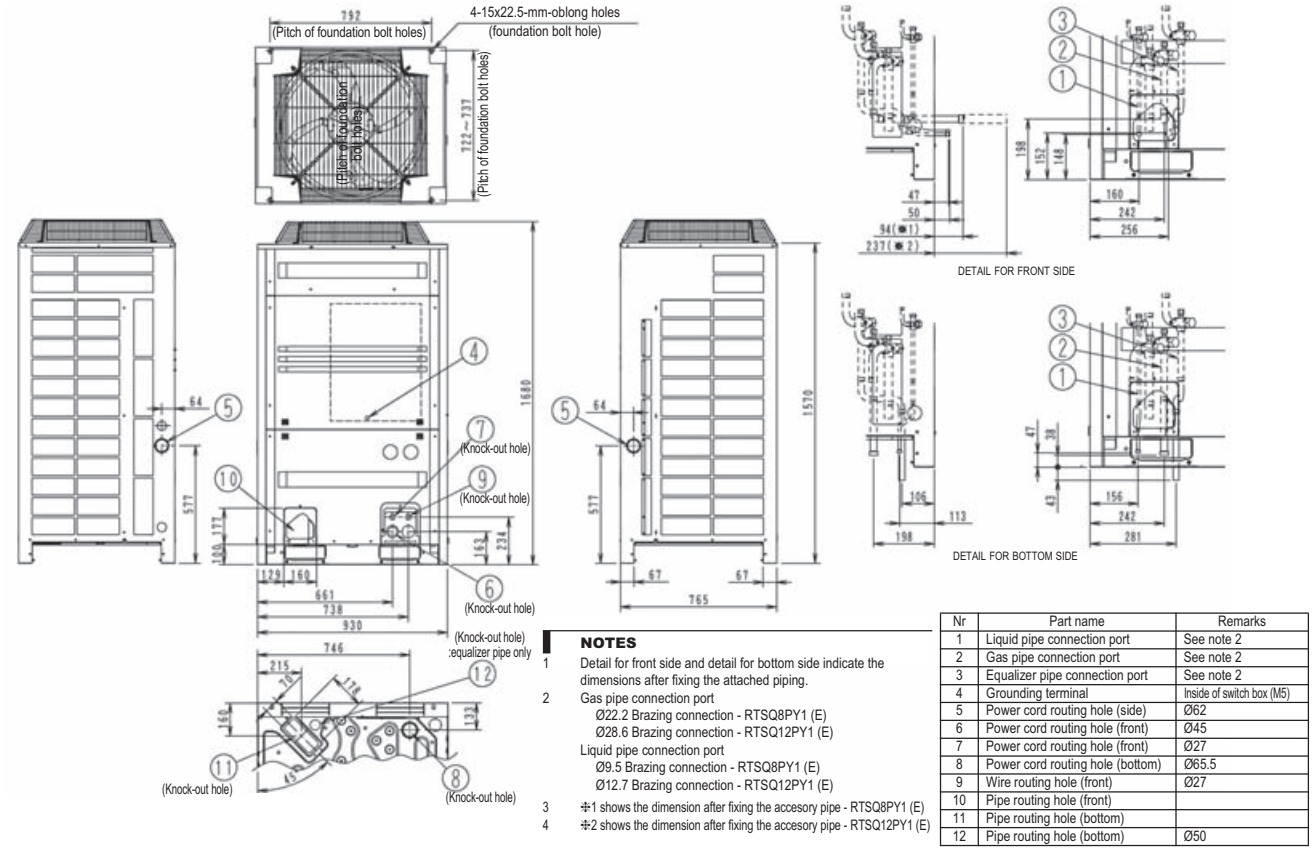
Combination (%)	Capacity index (kW)	Outdoor air temp.		Indoor air temperature: °CDB											
				16.0		18.0		20.0		21.0		22.0		24.0	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90	450	-24.9	-25.0	41.0	15.9	40.9	16.5	40.8	17.0	40.7	17.3	40.7	17.6	40.6	18.2
	(50.40)	-22.8	-23.0	42.7	16.0	42.6	16.5	42.5	17.0	42.5	17.3	42.4	17.5	42.3	18.0
		-21.8	-22.0	43.6	16.0	43.5	16.5	43.4	17.0	43.4	17.2	43.3	17.5	43.2	18.0
		-20.8	-21.0	44.6	16.0	44.5	16.5	44.4	17.0	44.3	17.3	44.3	17.5	44.2	18.0
		-19.8	-20.0	45.5	16.1	45.4	16.6	45.3	17.1	45.3	17.3	45.2	17.5	45.1	18.0
		-18.8	-19.0	46.5	16.2	46.4	16.7	46.3	17.1	46.2	17.4	46.2	17.6	46.1	18.1
		-16.7	-17.0	48.5	16.5	48.4	16.9	48.3	17.4	48.3	17.6	48.2	17.8	48.1	18.2
		-13.7	-15.0	50.6	16.9	50.5	17.3	50.4	17.7	50.3	18.0	50.3	18.2	49.0	17.9
		-11.8	-13.0	52.7	17.4	52.6	17.8	52.5	18.3	52.4	18.5	52.4	18.7	49.0	17.3
		-9.8	-11.0	54.8	18.1	54.7	18.5	54.6	18.9	54.4	19.0	52.6	18.3	49.0	16.8
		-9.5	-10.0	55.9	18.4	55.8	18.8	55.7	19.2	54.4	18.8	52.6	18.0	49.0	16.6
		-8.5	-9.1	56.9	18.7	56.8	19.1	56.3	19.3	54.4	18.6	52.6	17.9	49.0	16.4
		-7.0	-7.6	58.5	19.3	58.4	19.7	56.3	19.0	54.4	18.3	52.6	17.6	49.0	16.2
		-4.4	-5.0	61.3	20.1	59.9	19.8	56.3	18.4	54.4	17.7	52.6	17.0	49.0	15.7
		-3.0	-3.7	62.7	20.6	59.9	19.6	56.3	18.1	54.4	17.5	52.6	16.9	49.0	15.6
		0.0	-0.7	63.5	20.7	59.9	19.3	56.3	18.0	54.4	17.3	52.6	16.7	49.0	15.4
		3.0	2.2	63.5	19.7	59.9	18.4	56.3	17.1	54.4	16.5	52.6	15.9	49.0	14.7
		5.0	4.0	63.5	18.2	59.9	17.0	56.3	15.9	54.4	15.3	52.6	14.7	49.0	13.6
		7.0	6.0	63.5	15.6	59.9	14.5	56.3	13.5	54.4	13.0	52.6	12.5	49.0	11.5
		9.0	7.9	63.5	14.7	59.9	13.7	56.3	12.7	54.4	12.3	52.6	11.8	49.0	10.9
		11.0	9.8	63.5	13.8	59.9	12.9	56.3	12.0	54.4	11.6	52.6	11.2	49.0	10.3
		13.0	11.8	63.5	13.0	59.9	12.2	56.3	11.3	54.4	10.9	52.6	10.5	49.0	9.76
		15.0	13.7	63.5	12.3	59.9	11.5	56.3	10.7	54.4	10.4	52.6	9.99	49.0	9.25
80	400	-24.9	-25.0	40.8	17.0	40.7	17.5	40.6	18.0	40.6	18.3	40.5	18.5	40.4	19.0
	(44.80)	-22.8	-23.0	42.5	17.0	42.4	17.4	42.4	17.9	42.3	18.1	42.3	18.4	42.2	18.8
		-21.8	-22.0	43.4	17.0	43.3	17.4	43.3	17.9	43.2	18.1	43.2	18.3	43.1	18.8
		-20.8	-21.0	44.4	17.0	44.3	17.4	44.2	17.9	44.1	18.1	44.1	18.3	43.6	18.4
		-19.8	-20.0	45.3	17.0	45.2	17.5	45.1	17.9	45.1	18.1	45.1	18.3	43.6	17.8
		-18.8	-19.0	46.3	17.1	46.2	17.5	46.1	17.9	46.1	18.1	46.0	18.3	43.6	17.3
		-16.7	-17.0	48.3	17.3	48.2	17.7	48.1	18.1	48.1	18.3	46.8	17.8	43.6	16.4
		-13.7	-15.0	50.4	17.7	50.3	18.1	50.0	18.4	48.4	17.7	46.8	17.0	43.6	15.6
		-11.8	-13.0	52.5	18.2	52.4	18.6	50.0	17.7	48.4	17.0	46.8	16.4	43.6	15.1
		-9.8	-11.0	54.6	18.9	53.2	18.5	50.0	17.2	48.4	16.6	46.8	15.9	43.6	14.7
		-9.5	-10.0	55.7	19.2	53.2	18.3	50.0	17.0	48.4	16.4	46.8	15.7	43.6	14.5
		-8.5	-9.1	56.4	19.4	53.2	18.1	50.0	16.8	48.4	16.2	46.8	15.6	43.6	14.4
		-7.0	-7.6	56.4	19.1	53.2	17.8	50.0	16.5	48.4	15.9	46.8	15.3	43.6	14.2
		-4.4	-5.0	56.4	18.5	53.2	17.2	50.0	16.1	48.4	15.5	46.8	14.9	43.6	13.8
		-3.0	-3.7	56.4	18.3	53.2	17.1	50.0	15.9	48.4	15.3	46.8	14.8	43.6	13.7
		0.0	-0.7	56.4	18.0	53.2	16.9	50.0	15.7	48.4	15.2	46.8	14.6	43.6	13.5
		3.0	2.2	56.4	17.2	53.2	16.1	50.0	15.0	48.4	14.5	46.8	14.0	43.6	12.9
		5.0	4.0	56.4	15.9	53.2	14.9	50.0	13.9	48.4	13.4	46.8	12.9	43.6	12.0
		7.0	6.0	56.4	13.6	53.2	12.7	50.0	11.8	48.4	11.4	46.8	11.0	43.6	10.1
		9.0	7.9	56.4	12.8	53.2	12.0	50.0	11.2	48.4	10.8	46.8	10.4	43.6	9.60
		11.0	9.8	56.4	12.1	53.2	11.3	50.0	10.6	48.4	10.2	46.8	9.82	43.6	9.10
		13.0	11.8	56.4	11.4	53.2	10.7	50.0	9.97	48.4	9.62	46.8	9.28	43.6	8.61
		15.0	13.7	56.4	10.8	53.2	10.11	50.0	9.45	48.4	9.13	46.8	8.81	43.6	8.18
70	350	-24.9	-25.0	40.6	18.1	40.5	18.5	40.4	19.0	40.4	19.2	40.4	19.4	38.1	18.2
	(39.20)	-22.8	-23.0	42.3	18.0	42.3	18.4	42.2	18.8	42.1	19.0	40.9	18.4	38.1	16.9
		-21.8	-22.0	43.2	18.0	43.2	18.4	43.1	18.7	42.3	18.5	40.9	17.7	38.1	16.3
		-20.8	-21.0	44.2	17.9	44.1	18.3	43.8	18.5	42.3	17.8	40.9	17.1	38.1	15.8
		-19.8	-20.0	45.1	18.0	45.1	18.3	43.8	17.9	42.3	17.2	40.9	16.6	38.1	15.3
		-18.8	-19.0	46.1	18.0	46.0	18.4	43.8	17.4	42.3	16.7	40.9	16.1	38.1	14.8
		-16.7	-17.0	48.1	18.2	46.6	17.7	43.8	16.4	42.3	15.8	40.9	15.2	38.1	14.0
		-13.7	-15.0	49.4	18.1	46.6	16.9	43.8	15.7	42.3	15.1	40.9	14.6	38.1	13.4
		-11.8	-13.0	49.4	17.4	46.6	16.3	43.8	15.2	42.3	14.6	40.9	14.1	38.1	13.0
		-9.8	-11.0	49.4	16.9	46.6	15.8	43.8	14.7	42.3	14.2	40.9	13.7	38.1	12.7
		-9.5	-10.0	49.4	16.7	46.6	15.6	43.8	14.6	42.3	14.1	40.9	13.5	38.1	12.5
		-8.5	-9.1	49.4	16.6	46.6	15.5	43.8	14.4	42.3	13.9	40.9	13.4	38.1	12.4
		-7.0	-7.6	49.4	16.3	46.6	15.3	43.8	14.2	42.3	13.7	40.9	13.2	38.1	12.2
		-4.4	-5.0	49.4	15.8	46.6	14.8	43.8	13.8	42.3	13.4	40.9	12.9	38.1	11.9
		-3.0	-3.7	49.4	15.7	46.6	14.7	43.8	13.7	42.3	13.2	40.9	12.8	38.1	11.8
		0.0	-0.7	49.4	15.5	46.6	14.5	43.8	13.6	42.3	13.1	40.9	12.7	38.1	11.8
		3.0	2.2	49.4	14.8	46.6	13.9	43.8	13.0	42.3	12.5	40.9	12.1	38.1	11.3
		5.0	4.0	49.4	13.7	46.6	12.9	43.8	12.0	42.3	11.6	40.9	11.2	38.1	10.4
		7.0	6.0	49.4	11.6	46.6	10.9	43.8	10.2	42.3	9.82	40.9	9.47	38.1	8.78
		9.0	7.9	49.4	11.0	46.6	10.3	43.8	9.64	42.3	9.31	40.9	8.98	38.1	8.34
		11.0	9.8	49.4	10.4	46.6	9.76	43.8	9.14	42.3	8.83	40.9	8.52	38.1	7.92
		13.0	11.8	49.4	9.83	46.6	9.23	43.8	8.65	42.3	8.36	40.9	8.07	38.1	7.51
		15.0	13.7	49.4	9.32	46.6	8.76	43.8	8.21	42.3	7.94	40.9	7.68	38.1	7.15
60	300	-24.9	-25.0	40.4	19.2	39.9	19.2	37.5	17.9	36.3	17.2	35.1	16.5	32.7	15.3
	(33.60)	-22.8	-23.0	42.1	19.0	39.9	17.9	37.5	16.6	36.3	16.0	35.1	15.4	32.7	14.2
		-21.8	-22.0	42.3	18.5	39.9	17.2	37.5	16.0	36.3	15.4	35.1	14.8	32.7	13.7
		-20.8	-21.0	42.3	17.8	39.9	16.6	37.5	15.5	36.3	14.9	35.1	14.3	32.7	13.3
		-19.8	-20.0	42.3	17.2	39.9	16.1	37.5	15.0	36.3	14.4	35.1	13.9	32.7	12.8
		-18.8	-19.0	42.3	16.7	39.9	15.6	37.5	14.5	36.3	14.0	35.1	13.5	32.7	12.5
		-16.7	-17.0	42.3	15.8	39.9	14.8	37.5	13.8	36.3	13.3	35.1	12.8	32.7	11.8
		-13.7	-15.0	42.3	15.1	39.9	14.1	37.5	13.2	36.3	12.7	35.1	12.3	32.7	11.4
		-11.8	-13.0	42.3	14.6	39.9	13.7	37.5	12.8	36.3	12.3	35.1	11.9	32.7	11.0
		-9.8	-11.0	42.3	14.2	39.9	13.3	37.5	12.4	36.3	12.0	35.1	11.6	32.7	10.7
		-9.5	-10.0	42.3	14.0	39.9	13.2	37.5	12.3	36.3	11.9	35.1	11.5	32.7	10.6
		-8.5	-9.1	42.3	13.9	39.9	13.0	37.5	12.2	36.3	11.8	35.1	11.4	32.7	10.6
		-7.0	-7.6	42.3	13.7	39.9	12.9	37.5	12.0	36.3	11.6	35.1	11.2	32.7	10.4
		-4.4	-5.0	42.3	13.3	39.9	12.5	37.5	11.7	36.3	11.3	35.1	10.9	32.7	10.2
		-3.0	-3.7	42.3	13.2	39.9	12.4	37.5	11.6	36.3	11.2	35.1	10.9	32.7	10.1
		0.0	-0.7	42.3	13.1	39.9	12.3	37.5	11.6	36.3	11.2	35.1	10.8	32.7	10.1
		3.0	2.2	42.3	12.5	39.9	11.8	37.5	11.1	36.3	10.7	35.1	10.3	32.7	9.64
		5.0	4.0	42.3	11.6	39.9	10.9	37.5	10.3	36.3	9.9	35.1	9.61	32.7	8.96
		7.0	6.0	42.3	9.82	39.9	9.22	37.5	8.63	36.3	8.34	35.1	8.06	32.7	7.50
		9.0	7.9	42.3	9.30	39.9	8.74	37.5	8.19	36.3	7.92	35.1	7.66	32.7	7.13
		11.0	9.8	42.3	8.82	39.9	8.30	37.5	7.78	36.3	7.53	35.1	7.28	32.7	6.79
		13.0	11.8	42.3	8.35	39.9	7.86	37.5	7.38	36.3	7.15	35.1	6.91	32.7	6.45
		15.0	13.7	42.3	7.94	39.9	7.48	37.5	7.03	36.3	6.81	35.1	6.59	32.7	6.16
50	250	-24.9	-25.0	35.3	16.6	33.3	15.6	31.3	14.5	30.2	14.0	29.2	13.5	27.2	12.5
	(28.00)	-22.8	-23.0	35.3	15.5	33.3	14.5	31.3	13.5	30.2	13.0	29.2	12.6	27.2	11.6
		-21.8	-22.0	35.3	14.9	33.3	14.0	31.3	13.0	30.2	12.6	29.2	12.1	27.2	11.2
		-20.8	-21.0	35.3	14.4	33.3	13.5	31.3	12.6	30.2	12.2	29.2	11.7	27.2	10.9
		-19.8	-20.0	35.3	14.0	33.3	13.1	31.3	12.2	30.2	11.8	29.2	11.4	27.2	10.6
		-18.8	-19.0	35.3	13.6	33.3	12.7	31.3	11.9	30.2	11.5	29.2	11.1	27.2	10.3
		-16.7	-17.0	35.3	12.9	33.3	12.1	31.3	11.3	30.2	10.9	29.2	10.5	27.2	9.76
		-13.7	-15.0	35.3	12.3	33.3	11.6	31.3	10.8	30.2	10.5	29.2	10.1	27.2	9.39
		-11.8	-13.0	35.3	11.9	33.3	11.2	31.3	10.5	30.2	10.1	29.2	9.79	27.2	9.11
		-9.8	-11.0	35.3	11.6	33.3	10.9	31.3	10.3	30.2	9.9	29.2	9.58	27.2	8.92
		-9.5	-10.0	35.3	11.5	33.3	10.8	31.3	10.2	30.2	9.82	29.2	9.49	27.2	8.84
		-8.5	-9.1	35.3	11.4	33.3	10.7	31.3	10.1	30.2	9.75	29.2	9.42	27.2	8.78
		-7.0	-7.6	35.3	11.3	33.3	10.6	31.3	10.0	30.2	9.63	29.2	9.31	27.2	8.68
		-4.4	-5.0	35.3	11.0	33.3	10.4	31.3	9.73	30.2	9.42	29.2	9.11	27.2	8.50
		-3.0	-3.7	35.3	10.8	33.3	10.2	31.3	9.58	30.2	9.27	29.2	8.97	27.2	8.38
		0.0	-0.7	35.3	10.22	33.3	9.63	31.3	9.06	30.2	8.78	29.2	8.50	27.2	7.94
		3.0	2.2	35.3	9.23	33.3	8.71	31.3	8.20	30.2	7.94	29.2	7.69	27.2	7.20
		5.0	4.0	35.3	8.33	33.3	7.87	31.3	7.41	30.2	7.18	29.2	6.95	27.2	6.51
		7.0	6.0	35.3	8.10	33.3	7.63	31.3	7.17	30.2	6.94	29.2	6.72	27.2	6.27
		9.0	7.9	35.3	7.69	33.3	7.25	31.3	6.82	30.2	6.61	29.2	6.40	27.2	5.98
		11.0	9.8	35.3	7.32	33.3	6.90	31.3	6.50	30.2	6.30	29.2	6.10	27.2	5.71
		13.0	11.8	35.3	6.95	33.3	6.56	31.3	6.18	30.2	5.99	29.2	5.81	27.2	5.44
		15.0	13.7	35.3	6.62	33.3	6.26	31.3	5.90	30.2	5.73	29.2	5.55	27.2	5.20

CC08A004

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

RTSQ8,12PY1



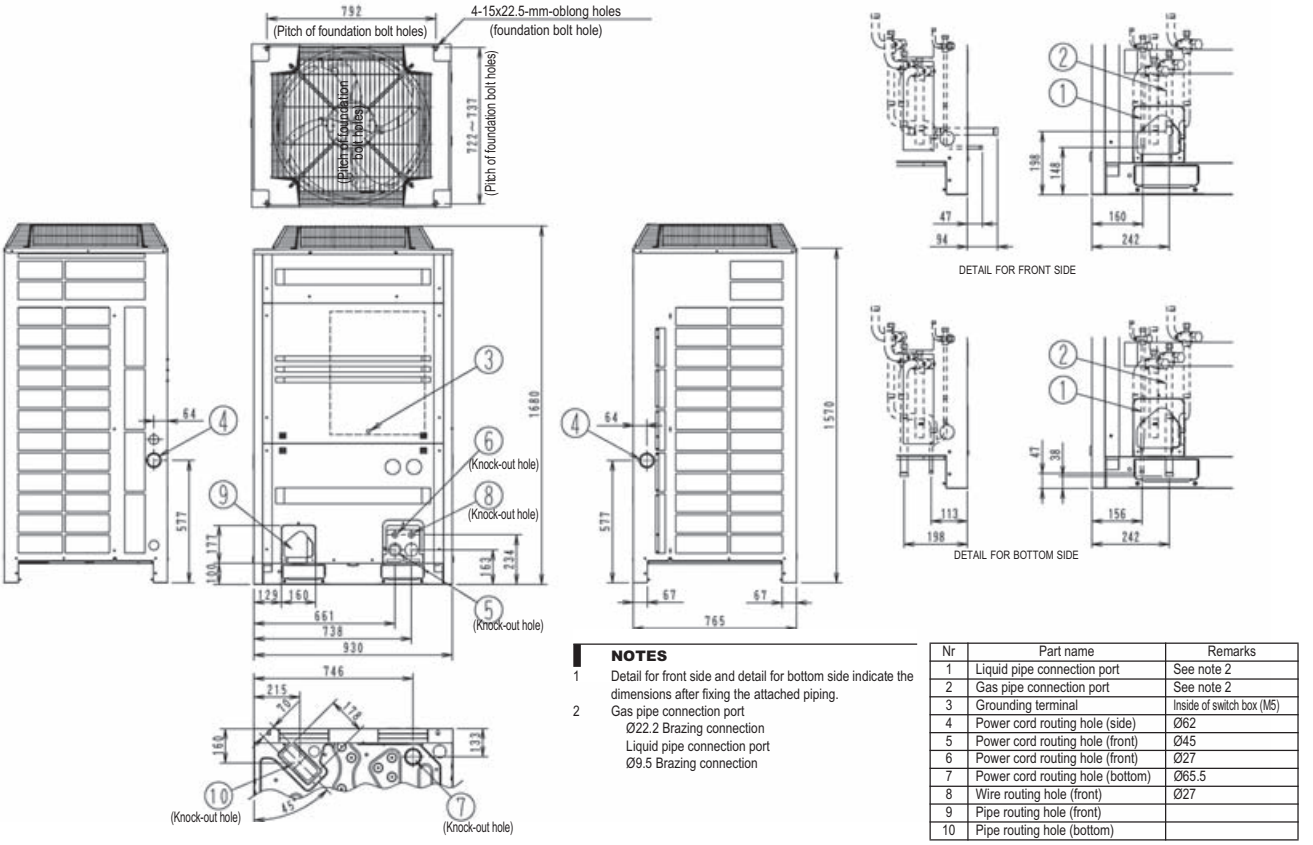
NOTES

1 Detail for front side and detail for bottom side indicate the dimensions after fixing the attached piping.
2 Gas pipe connection port
Ø22.2 Brazing connection - RTSQ8PY1 (E)
Ø28.6 Brazing connection - RTSQ12PY1 (E)
Liquid pipe connection port
Ø9.5 Brazing connection - RTSQ8PY1 (E)
Ø12.7 Brazing connection - RTSQ12PY1 (E)
3 ✣1 shows the dimension after fixing the accesory pipe - RTSQ8PY1 (E)
4 ✣2 shows the dimension after fixing the accesory pipe - RTSQ12PY1 (E)

Nr	Part name	Remarks
1	Liquid pipe connection port	See note 2
2	Gas pipe connection port	See note 2
3	Equalizer pipe connection port	See note 2
4	Grounding terminal	Inside of switch box (M5)
5	Power cord routing hole (side)	Ø62
6	Power cord routing hole (front)	Ø45
7	Power cord routing hole (front)	Ø27
8	Power cord routing hole (bottom)	Ø65.5
9	Wire routing hole (front)	Ø27
10	Pipe routing hole (front)	
11	Pipe routing hole (bottom)	
12	Pipe routing hole (bottom)	Ø50

3D060831

RTSQ10PY1



NOTES

1 Detail for front side and detail for bottom side indicate the dimensions after fixing the attached piping.
2 Gas pipe connection port
Ø22.2 Brazing connection
Liquid pipe connection port
Ø9.5 Brazing connection

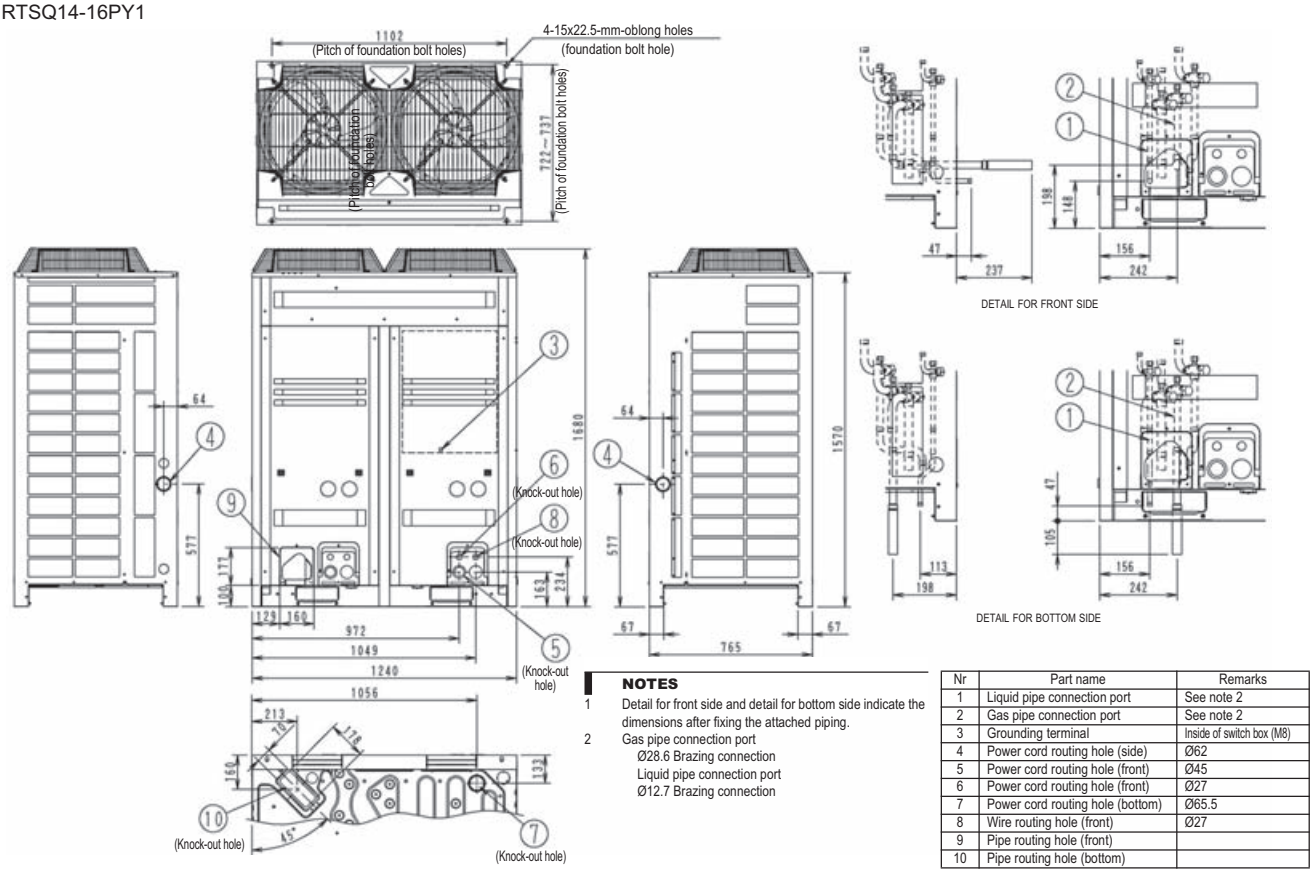
Nr	Part name	Remarks
1	Liquid pipe connection port	See note 2
2	Gas pipe connection port	See note 2
3	Grounding terminal	Inside of switch box (M5)
4	Power cord routing hole (side)	Ø62
5	Power cord routing hole (front)	Ø45
6	Power cord routing hole (front)	Ø27
7	Power cord routing hole (bottom)	Ø65.5
8	Wire routing hole (front)	Ø27
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	

3D060830

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

RTSQ14-16PY1



NOTES

1 Detail for front side and detail for bottom side indicate the dimensions after fixing the attached piping.

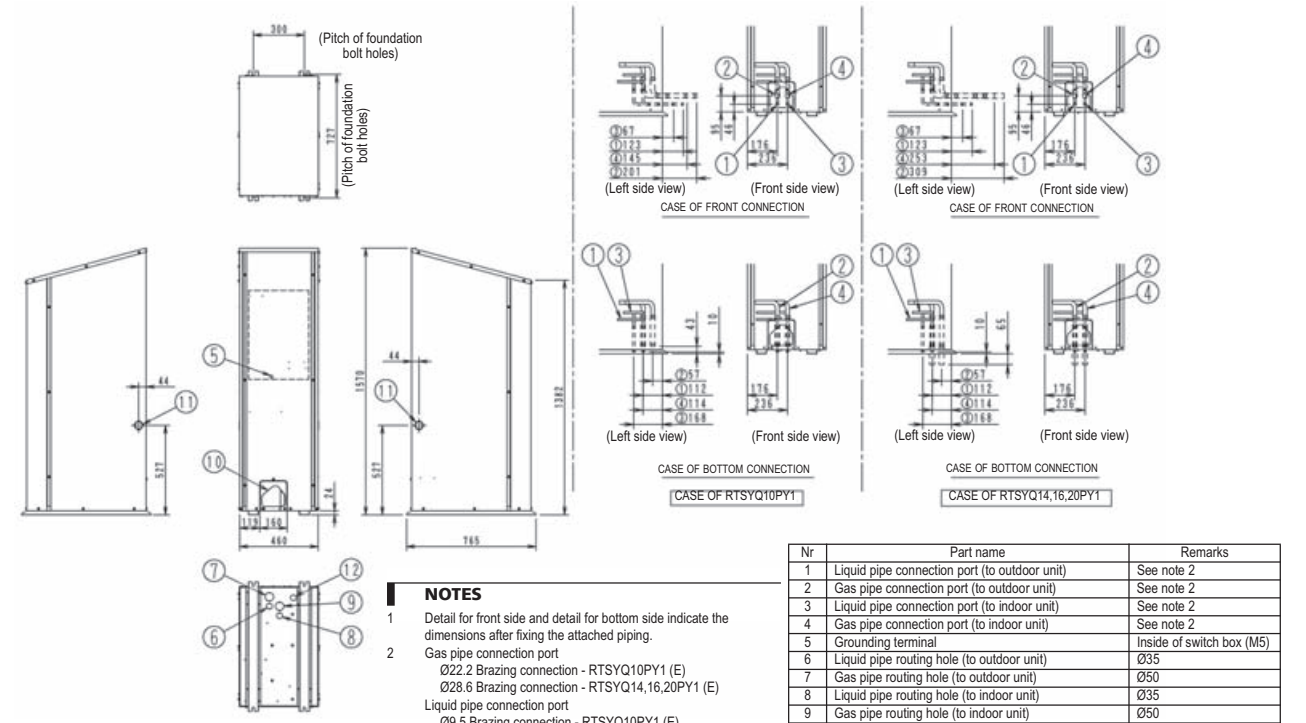
2 Gas pipe connection port
- Ø28.6 Brazing connection

Liquid pipe connection port
- Ø12.7 Brazing connection

Nr	Part name	Remarks
1	Liquid pipe connection port	See note 2
2	Gas pipe connection port	See note 2
3	Grounding terminal	Inside of switch box (M8)
4	Power cord routing hole (side)	Ø62
5	Power cord routing hole (front)	Ø45
6	Power cord routing hole (front)	Ø27
7	Power cord routing hole (bottom)	Ø65.5
8	Wire routing hole (front)	Ø27
9	Pipe routing hole (front)	
10	Pipe routing hole (bottom)	

3D060829

BTSQ20PY1



NOTES

1 Detail for front side and detail for bottom side indicate the dimensions after fixing the attached piping.

2 Gas pipe connection port
- Ø22.2 Brazing connection - RTSYQ10PY1 (E)
- Ø28.6 Brazing connection - RTSYQ14,16,20PY1 (E)

Liquid pipe connection port
- Ø9.5 Brazing connection - RTSYQ10PY1 (E)
- Ø12.7 Brazing connection - RTSYQ14,16,20PY1 (E)

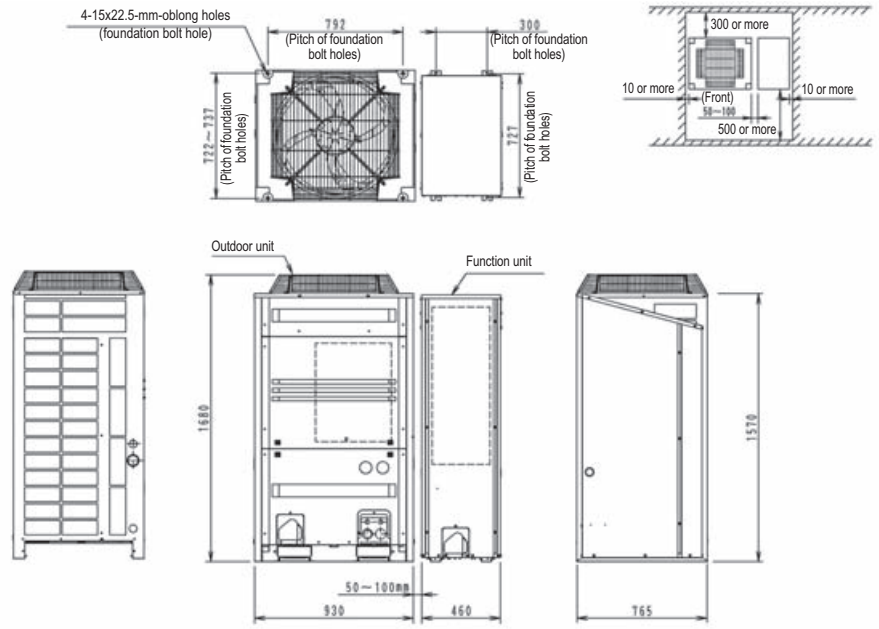
Nr	Part name	Remarks
1	Liquid pipe connection port (to outdoor unit)	See note 2
2	Gas pipe connection port (to outdoor unit)	See note 2
3	Liquid pipe connection port (to indoor unit)	See note 2
4	Gas pipe connection port (to indoor unit)	See note 2
5	Grounding terminal	Inside of switch box (M5)
6	Liquid pipe routing hole (to outdoor unit)	Ø35
7	Gas pipe routing hole (to outdoor unit)	Ø50
8	Liquid pipe routing hole (to indoor unit)	Ø35
9	Gas pipe routing hole (to indoor unit)	Ø50
10	Pipe routing	
11	Power cord routing hole (side)	Ø45
12	Power cord routing hole (bottom)	Ø35

3D060838

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

RTSYQ10PY1



System	Outdoor Unit	DWG.NO.	Function Unit	DWG.NO
RTSYQ10PY1(E)	RTSQ10PY1(E)	3D060830	BTSQ20PY1(E)	3D060838

NOTES

1 Heights of walls in case of Patterns 1 and 2:
Front:1500mm
Suction side: 500mm
Side: Height unrestricted.
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.

2 If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.

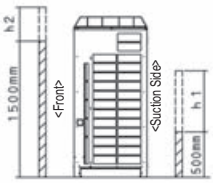
3 When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely. (If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)

4 The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

5 In case there expected heavy snow, prepare some countermeasures recommended as follows:
1) Outdoor an Function unit must be installed on a foundation (field supply) in order to secure a distance of 200-300m or more between the bottom frame and the snow-laid ground surface
2) Install a snowbreak hood (option) and remove its back side air inlet grill.

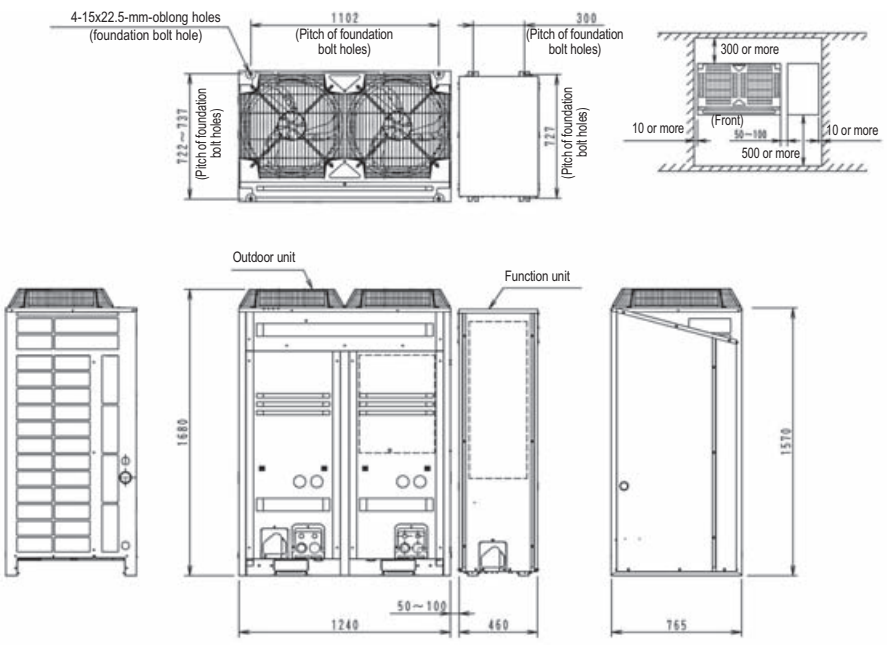
6 Air outlet of snowbreak hood must face at right angle or lower level than the winter wind, in case a snowbreak hood id installed at the air outlet of the unit.

7 In case there expected freeze of echausted water from defrost operation due to the cold outdoor temperature in winter time, secure a sufficient space between the bottom frame and the foundation.
(500-1000mm is suggested as an appropriate distance.)



3D060837

RTSYQ14-16PY1



System	Outdoor Unit	DWG.NO.	Function Unit	DWG.NO
RTSYQ14PY1(E)	RTSQ14PY1(E)	3D060829	BTSQ20PY1(E)	3D060838
RTSYQ16PY1(E)	RTSQ16PY1(E)	3D060829	BTSQ20PY1(E)	3D060838

NOTES

1 Heights of walls in case of Patterns 1 and 2:
Front:1500mm
Suction side: 500mm
Side: Height unrestricted.
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.

2 If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.

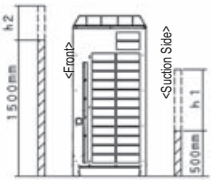
3 When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.
(If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)

4 The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

5 In case there expected heavy snow, prepare some countermeasures recommended as follows:
1) Outdoor an Function unit must be installed on a foundation (field supply) in order to secure a distance of 200-300m or more between the bottom frame and the snow-laid ground surface
2) Install a snowbreak hood (option) and remove its back side air inlet grill.

6 Air outlet of snowbreak hood must face at right angle or lower level than the winter wind, in case a snowbreak hood id installed at the air outlet of the unit.

7 In case there expected freeze of echausted water from defrost operation due to the cold outdoor temperature in winter time, secure a sufficient space between the bottom frame and the foundation.
(500-1000mm is suggested as an appropriate distance.)

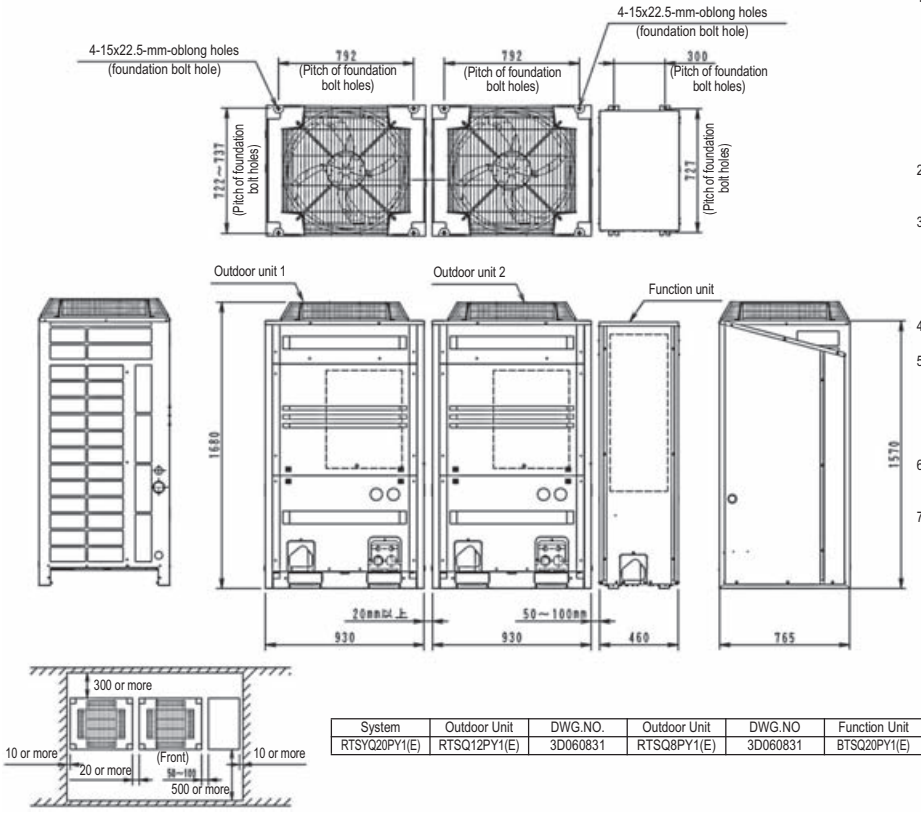


3D060836

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

RTSYQ20PY1



NOTES

1 Heights of walls in case of Patterns 1 and 2:
Front:1500mm
Suction side: 500mm
Side: Height unrestricted.
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.

2 If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.

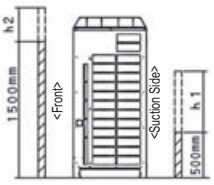
3 When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.
(If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)

4 The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.

5 In case there expected heavy snow, prepare some countermeasures recommended as follows:
1) Outdoor an Function unit must be installed on a foundation (field supply) in order to secure a distance of 200-300m or more between the bottom frame and the snow-laid ground surface
2) Install a snowbreak hood (option) and remove its back side air inlet grill.

6 Air outlet of snowbreak hood must face at right angle or lower level than the winter wind, in case a snowbreak hood id installed at the air outlet of the unit.

7 In case there expected freeze of echausted water from defrost operation due to the cold outdoor temperature in winter time, secure a sufficient space between the bottom frame and the foundation.
(500-1000mm is suggested as an appropriate distance.)



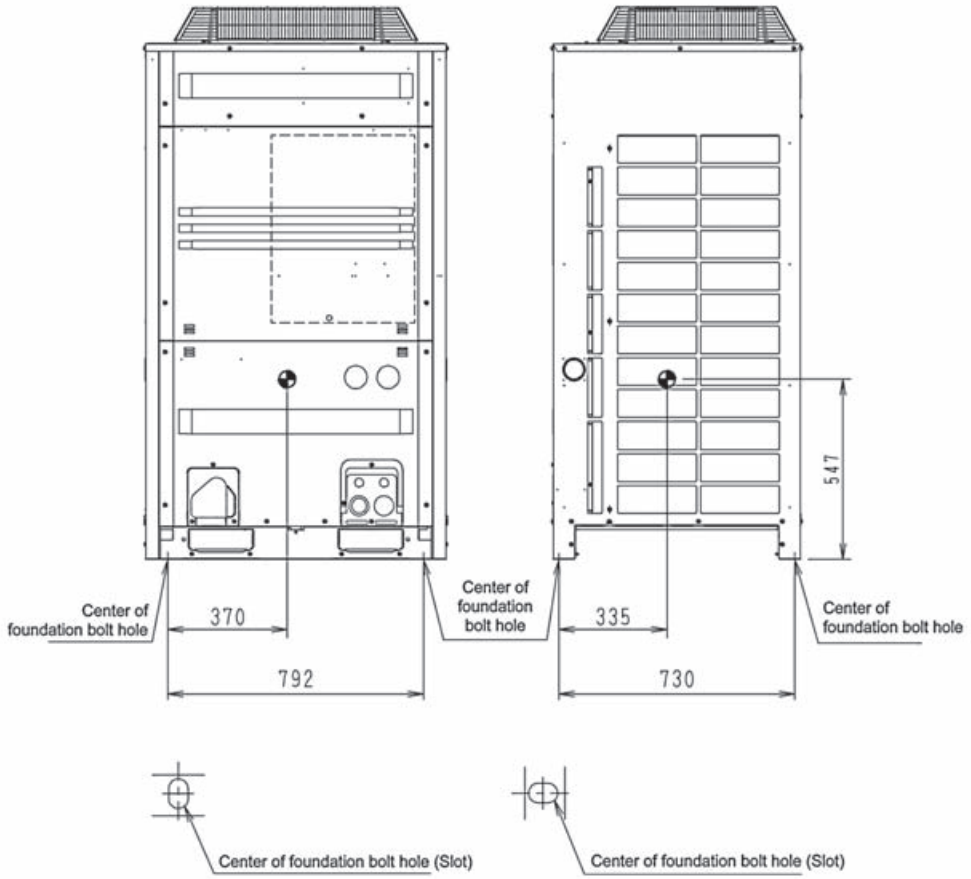
System	Outdoor Unit	DWG.NO.	Outdoor Unit	DWG.NO	Function Unit	DWG.NO
RTSYQ20PY1(E)	RTSQ12PY1(E)	3D060831	RTSQ8PY1(E)	3D060831	BTSQ20PY1(E)	3D060838

3D060835

5 Dimensional drawing & centre of gravity

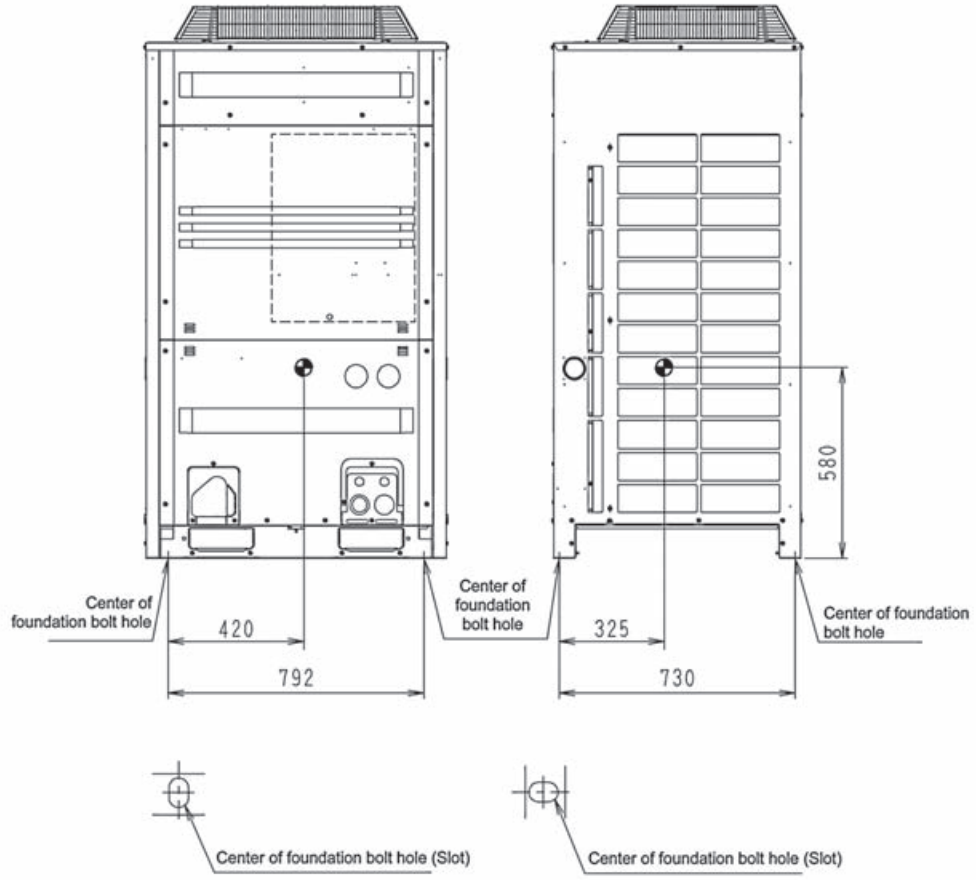
5 - 2 Centre of gravity

RTSQ8PY1



4D057576B

RTSQ10-12PY1

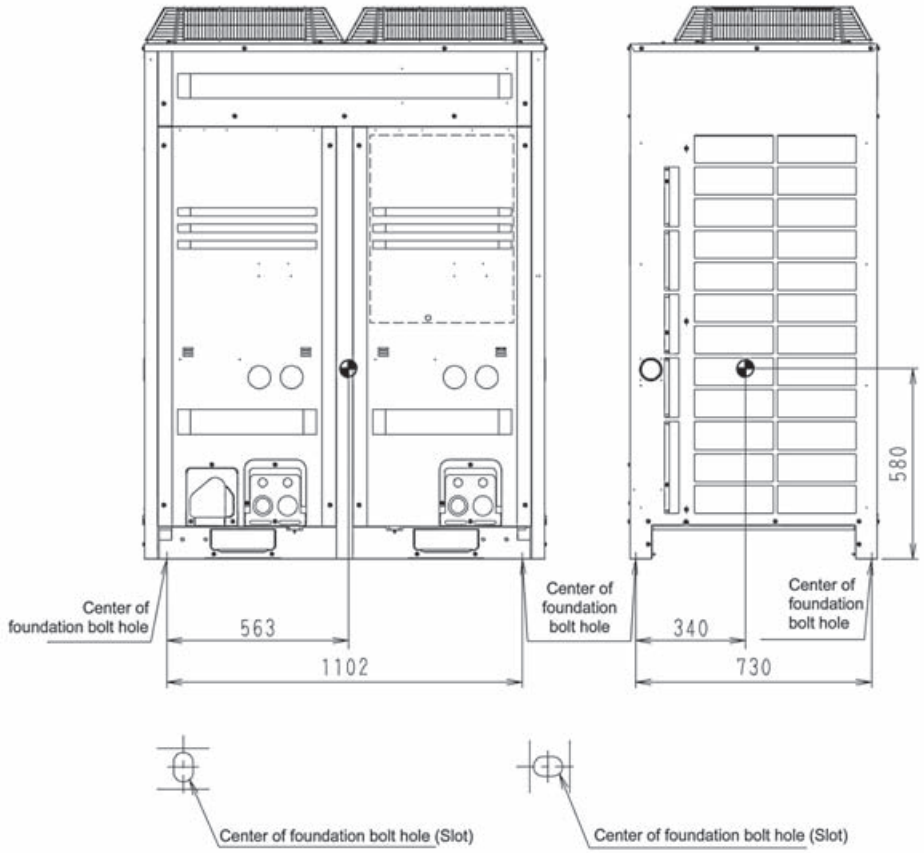


4D057577B

5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

RTSQ14-16PY1

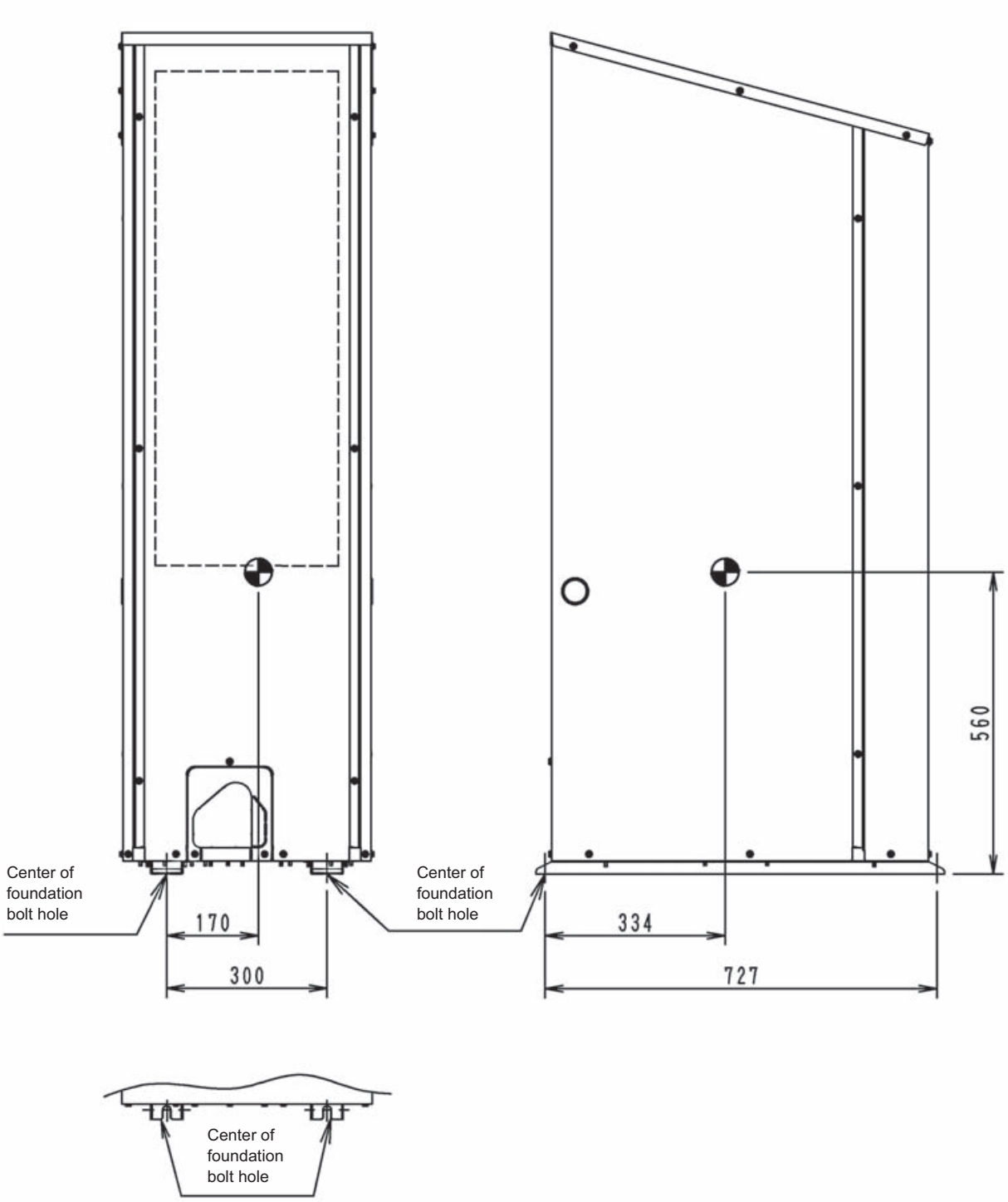


4D057578B

5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

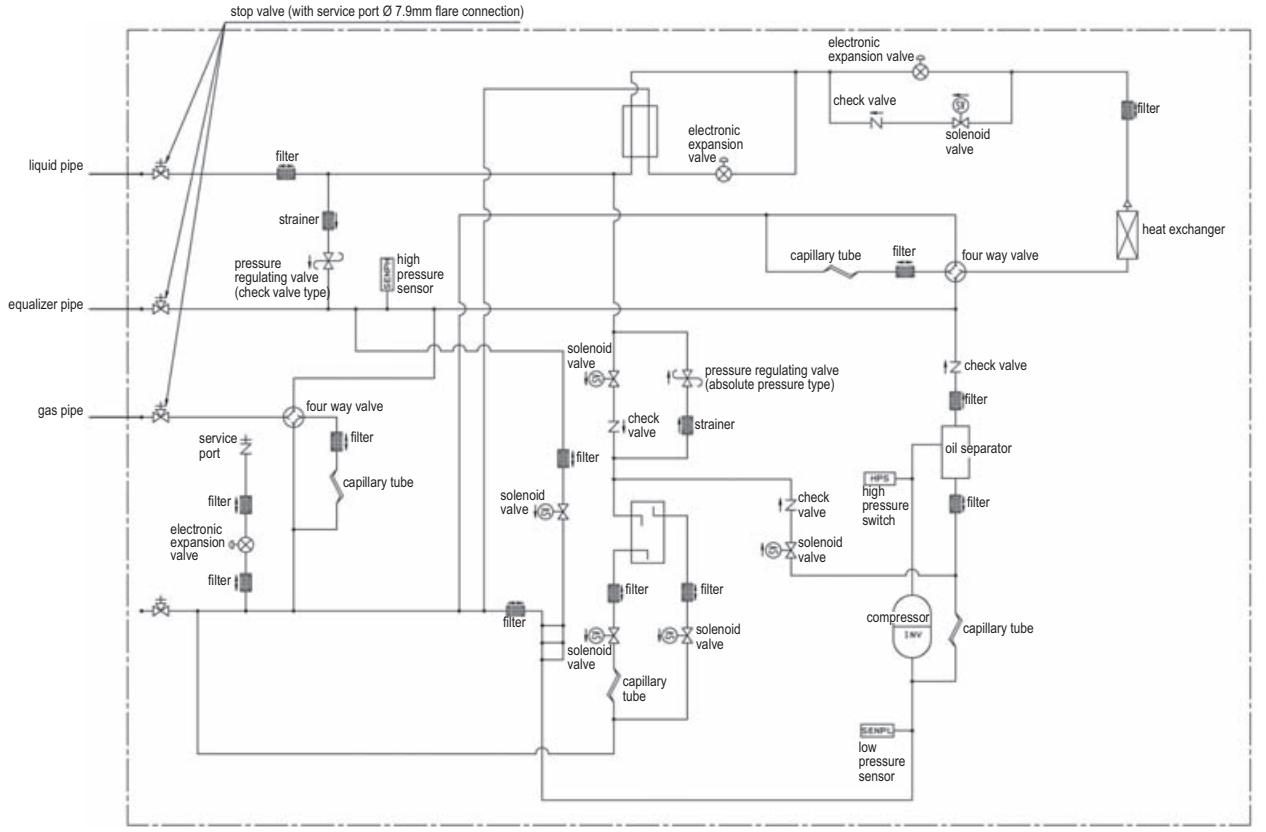
BTSQ20PY1



4D059328A

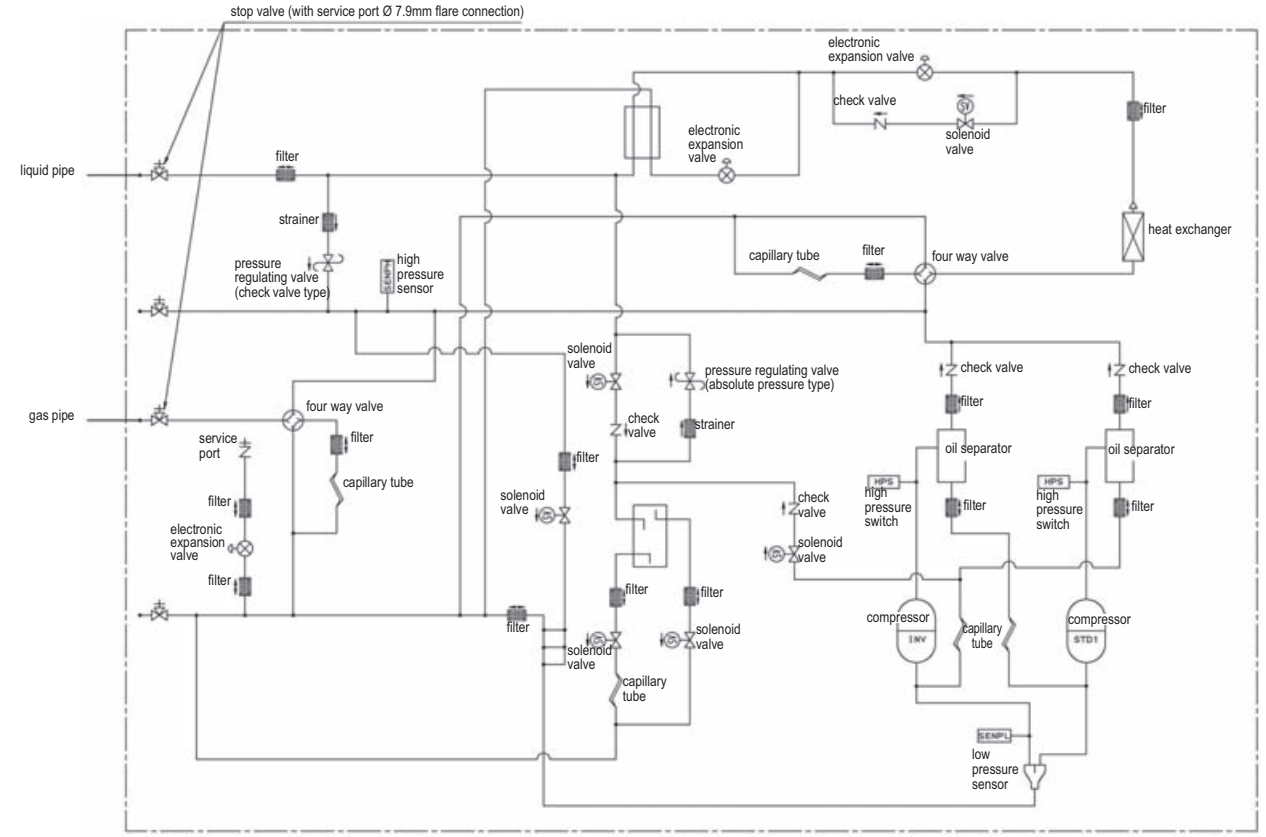
6 Piping diagram

RTSQ8PY1



3D060784

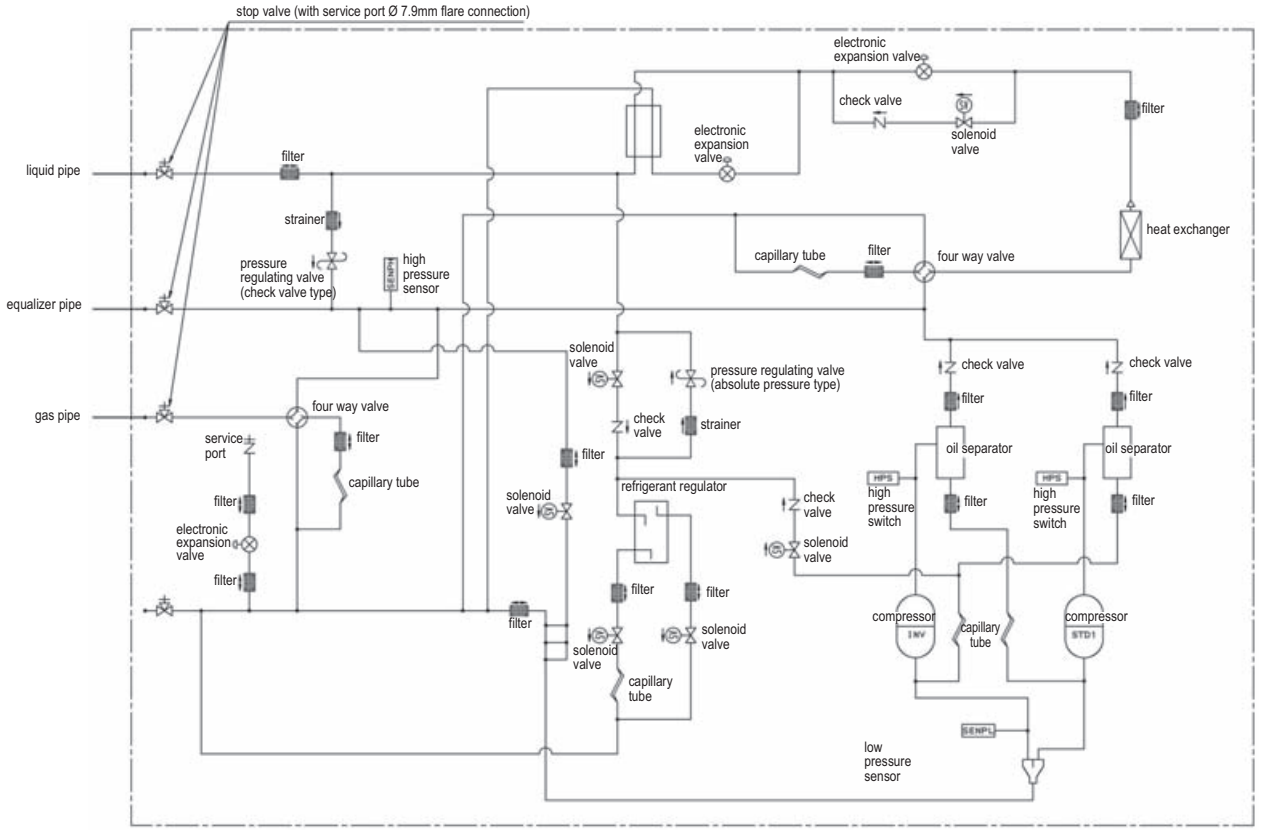
RTSQ10PY1



3D060785

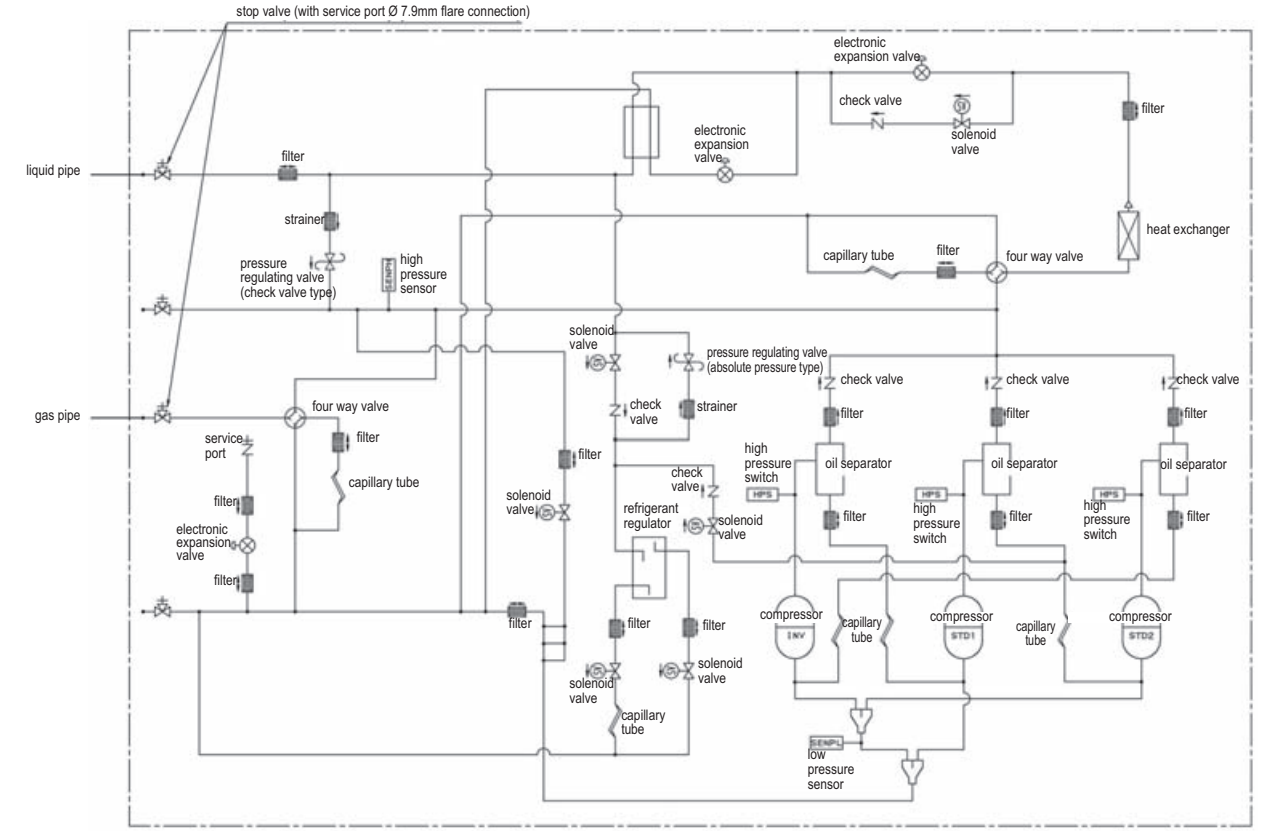
6 Piping diagram

RTSQ12PY1



3D060786

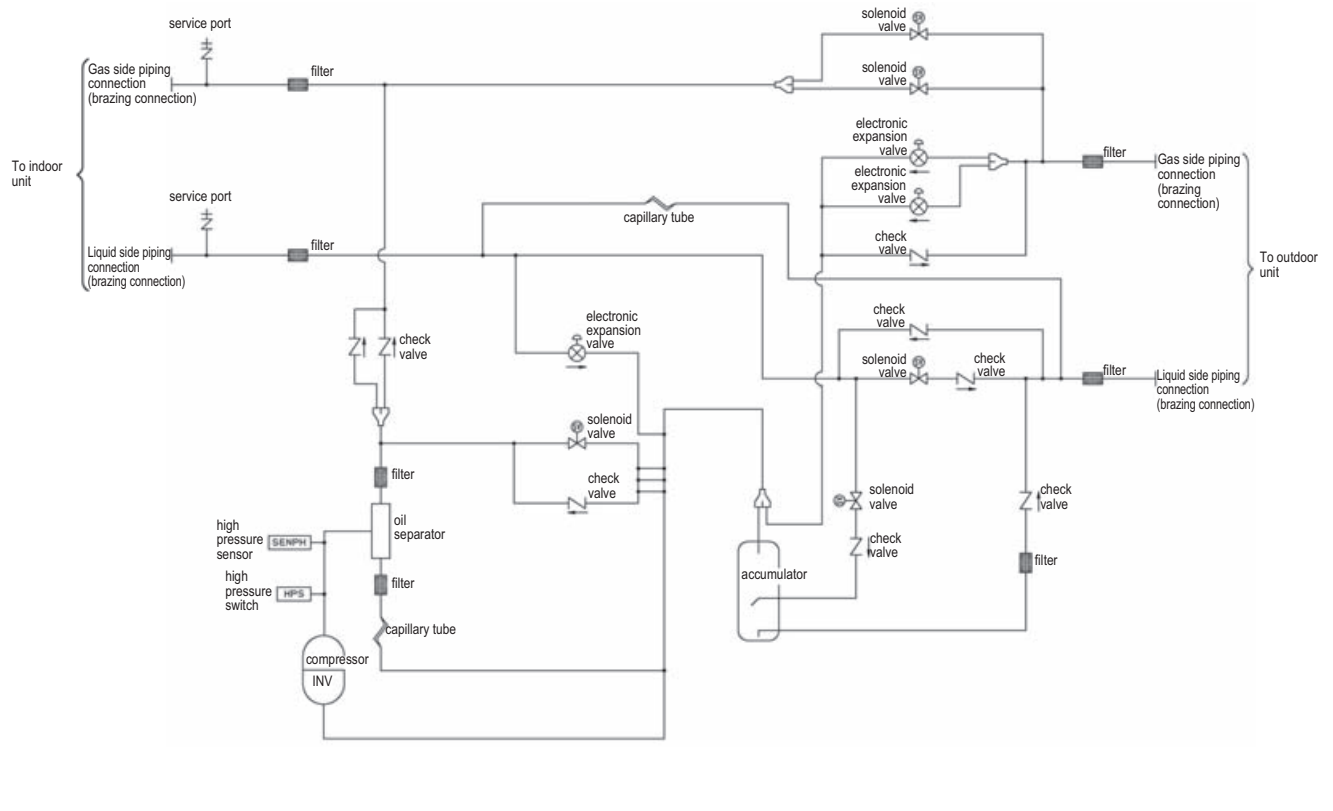
RTSQ14-16PY1



3D060787

6 Piping diagram

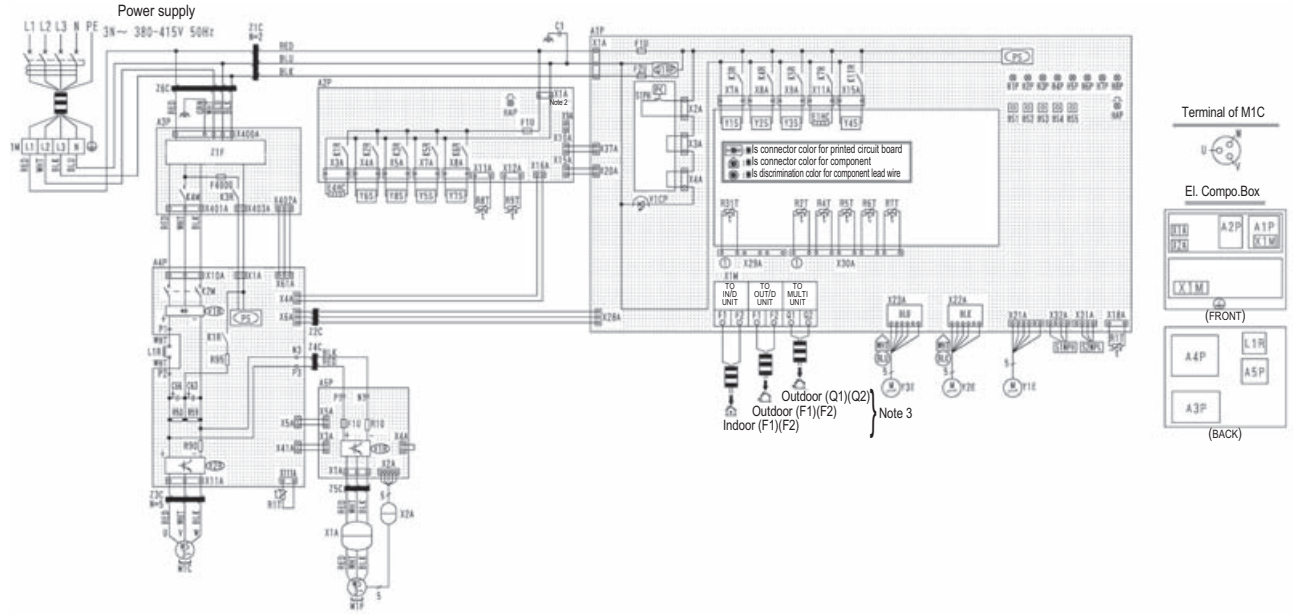
BTSQ20PY1



7 Wiring diagram

7 - 1 Wiring diagram

RTSQ8PY1



A1P	Printed circuit board (main)	K3R	magnetic relay (A3P)	S1NPH	pressure sensor (high)
A2P	Printed circuit board (sub)	K4R	magnetic relay (Y2S)	S2NPL	pressure sensor (low)
A3P	Printed circuit board (noise filter)	K5R	magnetic relay (Y3S)(A1P)	S1PH	pressure switch (high)
A4P	Printed circuit board (INV)	K5R	magnetic relay (Y5S)(A2P)	V1CP	safety devices input
A5P	Printed circuit board (fan)	K6R	magnetic relay (Y7S)	V1R	diode bridge (A4P)
BS1~5	Push button switch (mode, set , return, test, reset)	K7R	magnetic relay (E1HC)	V1R	power module (A5P)
		K11R	magnetic relay (Y4S)	V2R	power module
C1	capacitor	L1R	reactor	X1A,X2A	connector (M1F)
C63,C66	capacitor	M1C	motor (compressor)	X1M	terminal strip (power supply)
E1HC	crankcase heater	M1F	motor (fan)	X1M	terminal strip (control) (A1P)
E4HC	el. compo. box heater	PS	switching power supply (A1P, A4P)	Y1E	electronic expansion valve (main)
F1U, F2U	fuse (T, 3.15A, 250V) (A1P)	Q1RP	phase reversal detect circuit (A1P)	Y2E	electronic expansion valve (charge)
F1U	fuse (T, 3.15A, 250V) (A2P)	R10	resistor (current sensor)	Y3E	electronic expansion valve (subcool)
F1U	fuse (8A, DC650V) (A5P)	R50, R59	resistor	Y1S	solenoid valve (RMTG)
F400	fuse (T, 6.3A, 250V)	R90	resistor (current sensor)	Y2S	solenoid valve (4 way valve)(pipe)
H1P~8P	pilot lamp (service monitor: orange) [H2P] prepare, test ..... flickering malfunction detection..... light up	R95	resistor (current limiting)	Y3S	solenoid valve (4 way valve)(heat exc.)
		R1T	thermistor (A1R)(A1P)	Y4S	solenoid valve (RMTL)
		R1T	thermistor (F1N)(A4P)	Y5S	solenoid valve (hot gas)
HAP	pilot lamp (service monitor: green) (A1P) (A2P)	R2T	thermistor (heat exc.gas)	Y6S	solenoid valve (ev bypass)
K2M,	magnetic contactor (M1C) (A4P)	R31T	thermistor (M1C discharge)	Y7S	solenoid valve (RMTO)
K4M	magnetic contactor (M1C) (A3P)	R4T	thermistor (heat exc.deicer)	Y8S	solenoid valve (RMTT)
K1R	magnetic relay (A4P)	R5T	thermistor (sub cool heat exc.gas)	Z1C~Z6C	noise filter (ferrite core)
K1R	magnetic relay (E4HC)	R6T	thermistor (sub cool heat exc.liquid)	Z1F	noise filter (with surge absorber)
K2R	magnetic relay (Y6S)	R7T	thermistor (heat exc.liquid)		
K3R	magnetic relay (Y1S)(A1P)	R8T	thermistor (suction)	connector for optional parts	
K3R	magnetic relay (Y8S)(A2P)	R9T	thermistor (liquid)	X9A	power supply (adopter) (A2P)

: Terminal Strip
: Connector
: Terminal
: Field wiring
: Protective earth (screw)

Colors: BLK: black, RED: Red, BLU: Blue, WHT: White, GRN: Green

3D060116B

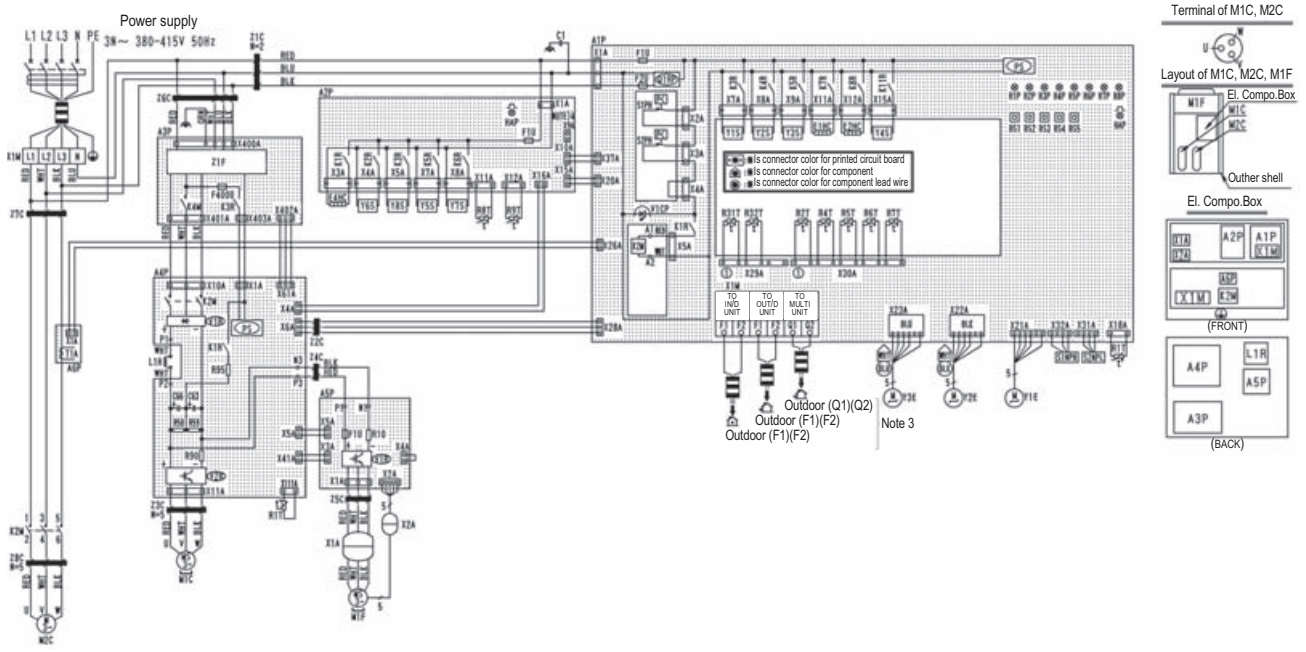
NOTES

1 This wiring diagram is applied only to the outdoor unit.
2 When using the optional adapter, refer to the installation manual of the optional adapter.
3 For connection wiring to indoor-outdoor transmission F1-F2, outdoor-outdoor transmission F1-F2, oudoor-multi transmission Q1-Q2, refer to the installation manual.
4 How to use BS1~5, refer to “service precaution” label on el.compo.box cover.
5 When operating, do not shortcircuit the protection device (S1PH).

7 Wiring diagram

7 - 1 Wiring diagram

RTSQ10,12PY1



A1P	Printed circuit board (main)	K3R	magnetic relay (Y8S)(A2P)	S1NPH	pressure sensor (high)
A2P	Printed circuit board (sub)	K3R	magnetic relay (A3P)	S2NPL	pressure sensor (low)
A3P	Printed circuit board (noise filter)	K4R	magnetic relay (Y2S)	S1PH,S2PH	pressure switch (high)
A4P	Printed circuit board (INV)	K5R	magnetic relay (Y3S)(A1P)	V1CP	safety devices input
A5P	Printed circuit board (fan)	K5R	magnetic relay (Y5S)(A2P)	V1R	diode bridge (A4P)
A6P	Printed circuit board (current sensor)	K6R	magnetic relay (Y7S)	V1R	power module (A5P)
BS1~5	Push button switch (mode, set , return, test, reset)	K7R	magnetic relay (E1HC)	V2R	power module
		K8R	magnetic relay (E2HC)	X1A,X2A	connector (M1F)
C1	capacitor	K11R	magnetic relay (Y4S)	X1M	terminal strip (power supply)
C63,C66	capacitor	L1R	reactor	X1M	terminal strip (control) (A1P)
E1HC	crankcase heater	M1C,M2C	motor (compressor)	Y1E	electronic expansion valve (main)
E4HC	el. compo. box heater	M1F	motor (fan)	Y2E	electronic expansion valve (charge)
F1U, F2U	fuse (T, 3.15A, 250V) (A1P)	PS	switching power supply (A1P, A4P)	Y3E	electronic expansion valve (subcool)
F1U	fuse (T, 3.15A, 250V) (A2P)	Q1RP	phase reversal detect circuit	Y1S	solenoid valve (RMTG)
F1U	fuse (8A, DC650V) (A5P)	R10	resistor (current sensor)	Y2S	solenoid valve (4 way valve)(pipe)
F400	fuse (T, 6.3A, 250V)	R50, R59	resistor	Y3S	solenoid valve (4 way valve)(heat exc.)
H1P~8P	pilot lamp (service monitor: orange) [H2P] prepare, test ..... flickering malfunction detection..... light up	R90	resistor (current sensor)	Y4S	solenoid valve (RMTL)
		R95	resistor (current limiting)	Y5S	solenoid valve (hot gas)
		R1T	thermistor (A1R)(A1P)	Y6S	solenoid valve (ev bypass)
HAP	pilot lamp (service monitor: green)	R1T	thermistor (F1N)(A4P)	Y7S	solenoid valve (RMTO)
K2M	magnetic contactor (M1C) (A4P)	R2T	thermistor (heat exc.gas)	Y8S	solenoid valve (RMTT)
K2M	magnetic contactor (M2C)	R31T,R32T	thermistor (M1C,M2C discharge)	Z1C, Z2C	noise filter (ferrite core)
K4M	magnetic contactor (M1C) (A3P)	R4T	thermistor (heat exc.deicer)	Z1F	noise filter (with surge absorber)
K1R	magnetic relay (K2M)(A1P)	R5T	thermistor (sub cool heat exc.gas)		
K1R	magnetic relay (E4HC)(A2P)	R6T	thermistor (sub cool heat exc.liquid)		
K1R	magnetic relay (A4P)	R7T	thermistor (heat exc.liquid)		
K2R	magnetic relay (Y6S)	R8T	thermistor (suction)	Connector for optional parts	
K3R	magnetic relay (Y1S)(A1P)	R9T	thermistor (liquid)	X9A	power supply (adapter) (A2P)

: Terminal Strip
: Connector
: Terminal
: Field wiring
: Protective earth screw

Colors: BLK: black, RED: Red, BLU: Blue, WHT: White, GRN: Green

3D060117A

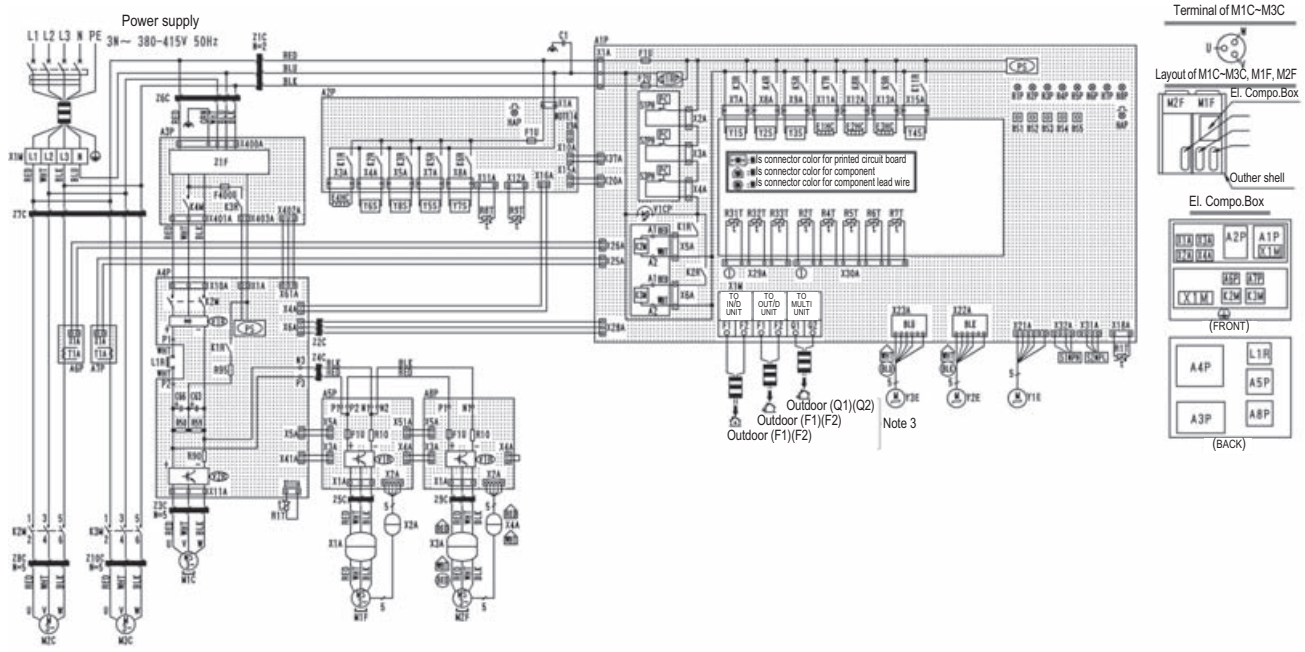
NOTES

1 This wiring diagram is applied only to the outdoor unit.
2 When using the optional adapter, refer to the installation manual of the optional adaptor.
3 For connection wiring to indoor-outdoor transmission F1-F2, outdoor-outdoor transmission F1-F2, oudoor-multi transmission Q1-Q2, refer to the installation manual.
4 How to use BS1~5, refer to “service precaution” label on el.compo.box.cover.
5 When operating, do not shortcircuit the protection device (S1PH,S2PH).

7 Wiring diagram

7 - 1 Wiring diagram

RTSQ14-16PY1



A1P	Printed circuit board (main)	K3R	magnetic relay (Y8S)(A2P)	R9T	thermistor (liquid)
A2P	Printed circuit board (sub)	K3R	magnetic relay (A3P)	S1NPH	pressure sensor (high)
A3P	Printed circuit board (noise filter)	K4R	magnetic relay (Y2S)	S2NPL	pressure sensor (low)
A4P	Printed circuit board (INV)	K5R	magnetic relay (Y3S)(A1P)	S1PH~3PH	pressure switch (high)
A5P,A8P	Printed circuit board (fan)	K5R	magnetic relay (Y5S)(A2P)	T1A	current sensor (A6P, A7P)
A6P,A7P	Printed circuit board (current sensor)	K6R	magnetic relay (Y7S)	V1CP	safety devices input
BS1~5	Push button switch (mode, set , return, test, reset)	K7R	magnetic relay (E1HC)	V1R	diode bridge (A4P)
		K8R	magnetic relay (E2HC)	V1R	power module (A5P,A8P)
C1	capacitor	K9R	magnetic relay (E3HC)	V2R	power module
C63,C66	capacitor	K11R	magnetic relay (Y4S)	X1A~4A	connector (M1F,M2F)
E1HC	crankcase heater	L1R	reactor	X1M	terminal strip (power supply)
E4HC	el. compo. box heater	M1C~M3C	motor (compressor)	X1M	terminal strip (control) (A1P)
F1U, F2U	fuse (T, 3.15A, 250V) (A1P)	M1F,M2F	motor (fan)	Y1E	electronic expansion valve (main)
F1U	fuse (T, 3.15A, 250V) (A2P)	PS	switching power supply (A1P, A4P)	Y2E	electronic expansion valve (charge)
F1U	fuse (8A, DC650V) (A5P, A7P)	Q1RP	phase reversal detect circuit	Y3E	electronic expansion valve (subcool)
F400	fuse (T, 6.3A, 250V)(A3P)	R10	resistor (current sensor)(A5P,A7P)	Y1S	solenoid valve (RMTG)
H1P~8P	pilot lamp (service monitor: orange)	R50, R59	resistor	Y2S	solenoid valve (4 way valve)(pipe)
	[H2P] prepare, test ..... flickering	R90	resistor (current sensor)	Y3S	solenoid valve (4 way valve)(heat exc.)
	malfunction detection..... light up	R95	resistor (current limiting)	Y4S	solenoid valve (RMTL)
HAP	pilot lamp (service monitor: green)(A1P)(A2P)	R1T	thermistor (A1R)(A1P)	Y5S	solenoid valve (hot gas)
K2M	magnetic contactor (M1C) (A4P)	R1T	thermistor (F1N)(A4P)	Y6S	solenoid valve (ev bypass)
K2M, K3M	magnetic contactor (M2C, M3C)	R2T	thermistor (heat exc.gas)	Y7S	solenoid valve (RMTO)
K4M	magnetic contactor (M1C) (A3P)	R31~33T	thermistor (M1~3C discharge)	Y8S	solenoid valve (RMTT)
K1R, K2R	magnetic relay (K2M,K3M)(A1P)	R4T	thermistor (heat exc.deicer)	Z1C, Z2C	noise filter (ferrite core)
K1R	magnetic relay (E4HC)(A2P)	R5T	thermistor (sub cool heat exc.gas)	Z1F	noise filter (with surge absorber)
K1R	magnetic relay (A4P)	R6T	thermistor (sub cool heat exc.liquid)		
K2R	magnetic relay (Y6S)(A2P)	R7T	thermistor (heat exc.liquid)	Connector for optional parts	
K3R	magnetic relay (Y1S)(A1P)	R8T	thermistor (suction)	X9A	power supply (adapter) (A2P)

: Terminal Strip
: Connector
: Terminal
: Field wiring
: Protective earth screw

Colors: BLK: black, RED: Red, BLU: Blue, WHT: White, GRN: Green

3D060118A

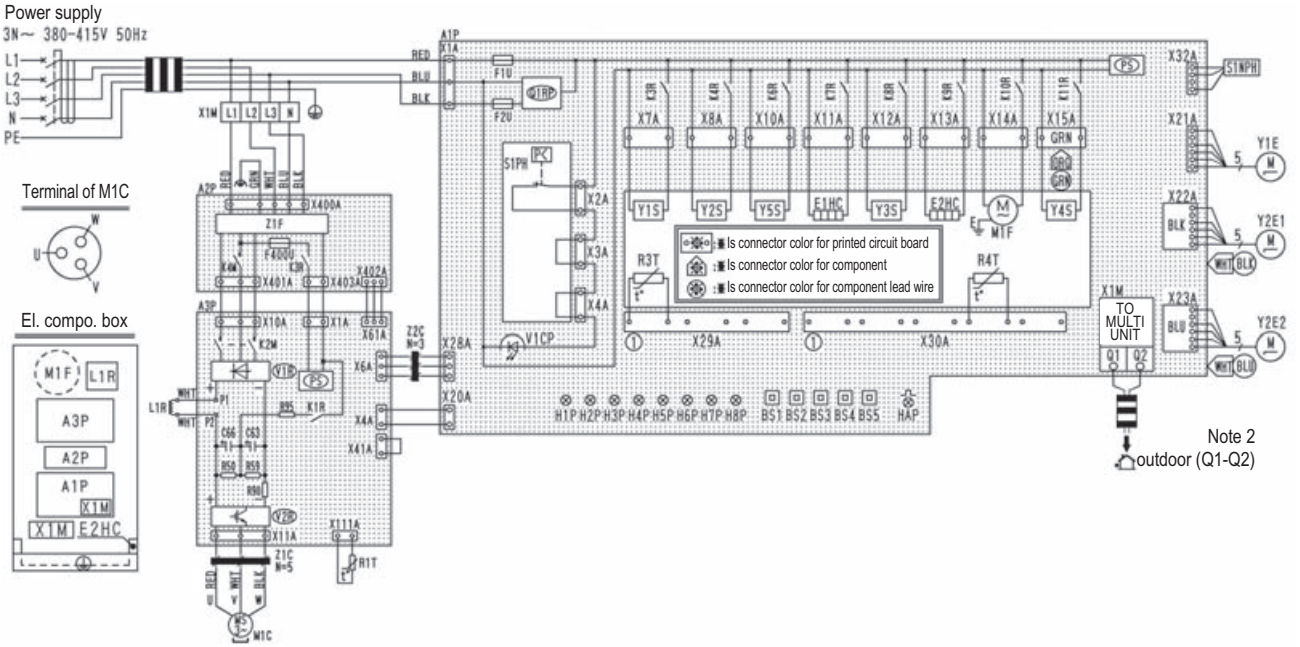
NOTES

1 This wiring diagram is applied only to the outdoor unit.
2 When using the optional adapter, refer to the installation manual of the optional adaptor.
3 For connection wiring to indoor-outdoor transmission F1-F2, outdoor-outdoor transmission F1-F2, oudoor-multi transmission Q1-Q2, refer to the installation manual.
4 How to use BS1~5, refer to “service precaution” label on el.compo.box.cover.
5 When operating, do not shortcircuit the protection device (S1~3PH).

7 Wiring diagram

7 - 1 Wiring diagram

BTSQ20PY1



A1P	Printed circuit board (main)	K4R	magnetic relay (Y2S)	S1NPH	pressure sensor (high)
A2P	Printed circuit board (noise filter)	K6R	magnetic relay (Y5S)	S1PH	pressure switch (high)
A3P	Printed circuit board (INV)	K7R	magnetic relay (E1HC)	V1CP	safety devices input
BS1~5	Push button switch (mode, set , return, test, reset)	K8R	magnetic relay (Y3S)	V1R	diode bridge
		K9R	magnetic relay (E2HC)	V2R	power module
C63,C66	capacitor	K10R	magnetic relay (M1F)	X1M	terminal strip (power supply)
E1HC	crankcase heater	K11R	magnetic relay (Y4S)	X1M	terminal strip (control) (A1P)
E2HC	el. compo. box heater	L1R	reactor	Y1E	electronic expansion valve (liquid injection)
F1U, F2U	fuse (T, 3.15A, 250V)	M1C	motor (compressor)	Y2E1	electronic expansion valve (change mode)
F400	fuse (T, 6.3A, 250V)	M1F	motor (cooling fan)	Y2E2	electronic expansion valve (change mode)
H1P~8P	pilot lamp (service monitor: orange) [H2P] prepare, test ..... flickering malfunction detection..... light up	PS	switching power supply (A1P, A3P)	Y1S	solenoid valve (hot gas)
		Q1RP	phase reversal detect circuit	Y2S	solenoid valve (reduction)
		R50, R59	resistor	Y3S	solenoid valve (bypass)
HAP	pilot lamp (service monitor: green)	R90	resistor (current sensor)	Y4S	solenoid valve (bypass)
K2M,	magnetic contactor (M1C)	R95	resistor (current limiting)	Y5S	solenoid valve (change liquid line)
K1R	magnetic relay (A3P)	R1T	thermistor (F1N)	Z1C, Z2C	noise filter (ferrite core)
K3R	magnetic relay (Y1S)(A1P)	R3T	thermistor (M1C discharge)	Z1F	noise filter (with surge absorber)
K3R	magnetic relay (A2P)	R4T	thermistor (liquid)		

: Terminal Strip
: Connector
: Terminal
: Field wiring
: Protective earth screw

Colors:
BLK: black
RED: Red
BLU: Blue
WHT: White
GRN: Green
ORG: Orange

3D060119A

NOTES

1 This wiring diagram is applied only to the outdoor unit.
2 For connection wiring to outdoor-multi transmission Q1-Q2, refer to the installation manual.
3 How to use BS1~5, refer to “service precaution” label on el.compo.box.cover.
4 When operating, do not shortcircuit the protection device (S1PH).

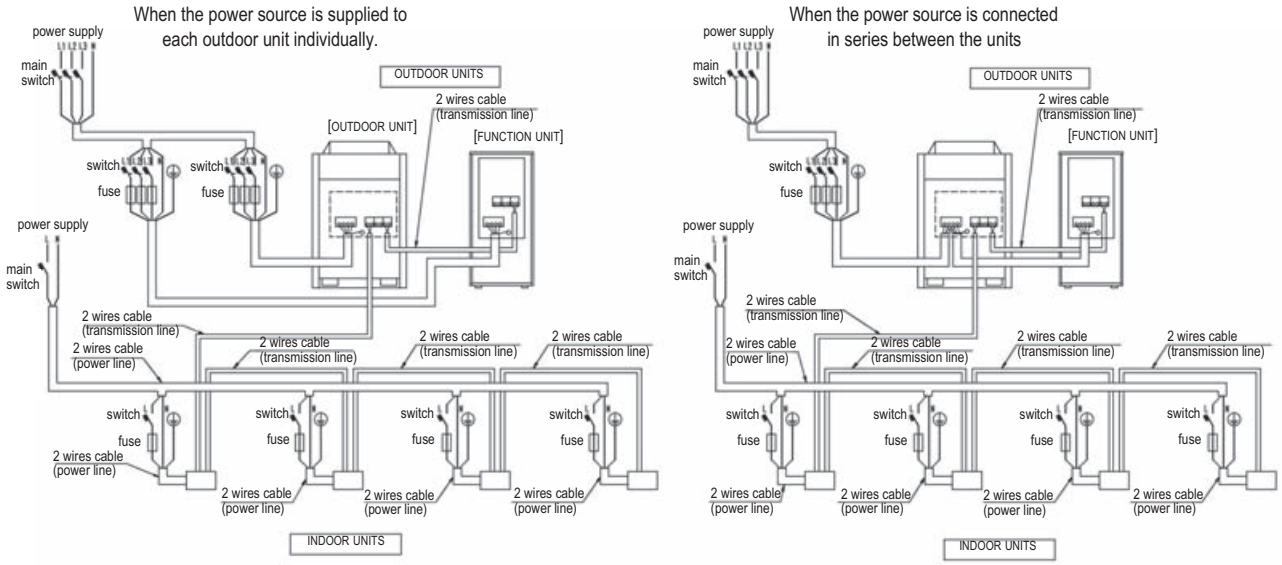
7 Wiring diagram

7 - 2 External connection diagram

RTSYQ10,14,16PY1

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 conducters 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.
10 The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.
11 If there exists the possibility of reversed phase, lose phase, momentary blackout or the power goes on and off while the product is operating, attach a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.



3D059326A

RTSYQ20PY1

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 conducters 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.
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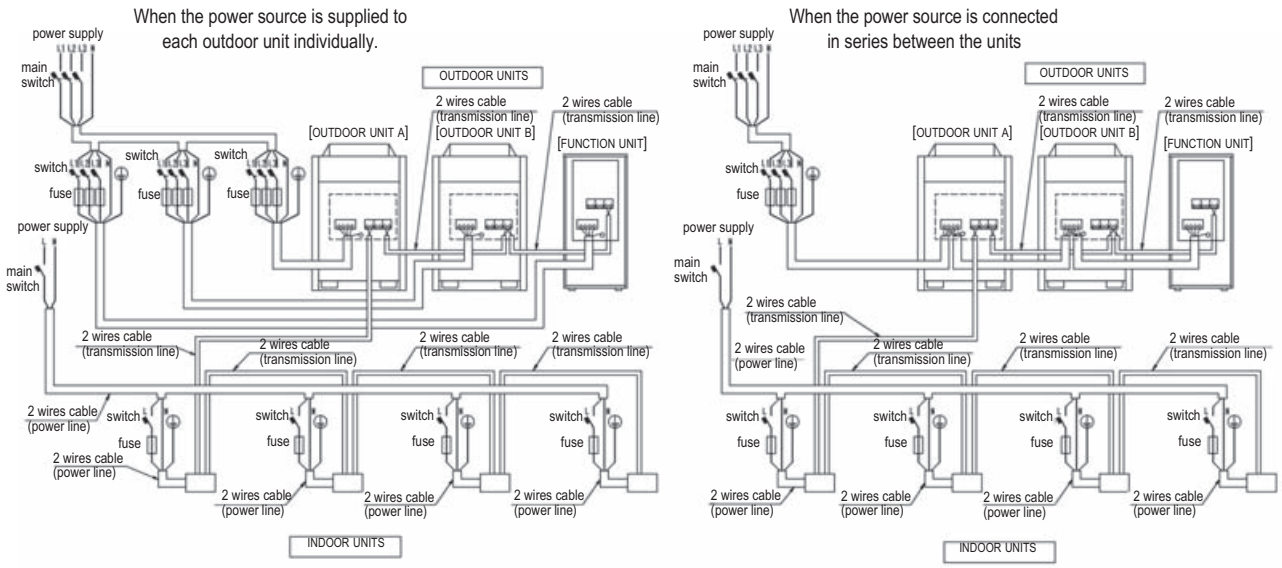
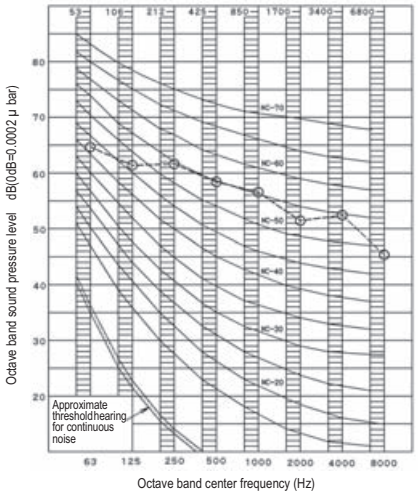


3D059327A

8 Sound data

8 - 1 Sound level data

RTSYQ10PY1



4D059340A

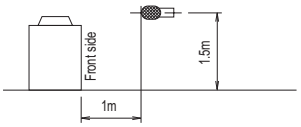
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	62
C	69

Operating conditons:
- Power source: Y1:380-415V 50Hz
- maximum compressor operating capacity

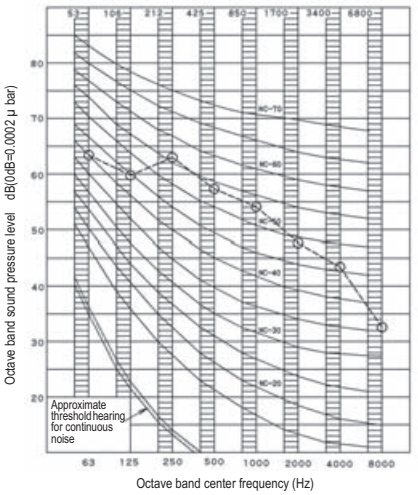
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ10PY1



4D059344A

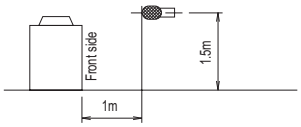
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	60
C	67

Operating conditons:
- Power source: Y1:380-415V 50Hz
- JIS standard

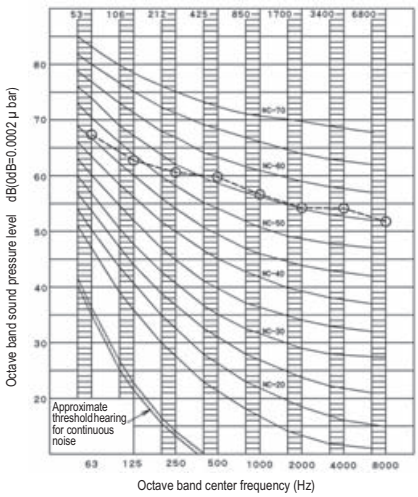
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ14PY1



4D059341A

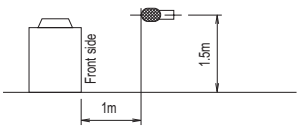
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	63
C	70

Operating conditons:
- Power source: Y1:380-415V 50Hz
- Maximum compressor operating capacity

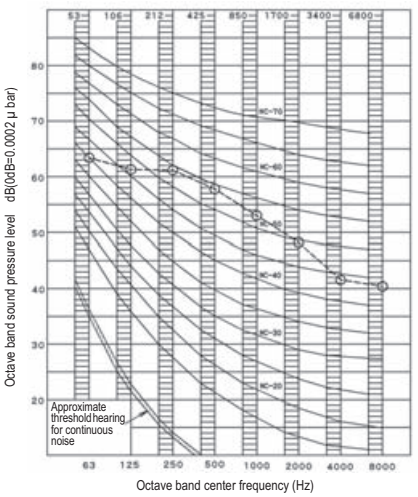
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ14PY1



4D059345A

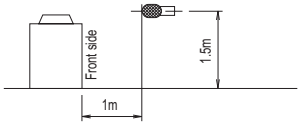
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	61
C	69

Operating conditons:
- Power source: Y1:380-415V 50Hz
- JIS Standardp

Measuring place: Anechoic chamber (Conversion value)

Location of microphone

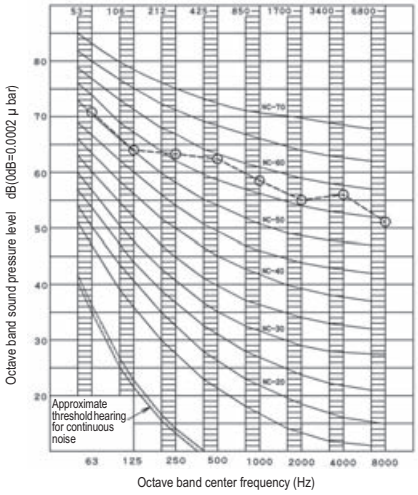


Note: The operating sound is measured in anechoic chamber, if it is measured under the actual installation

8 Sound data

8 - 1 Sound level data

RTSYQ16PY1



4D059342B

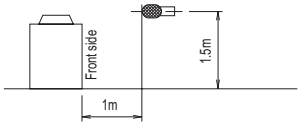
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	65
C	73

Operating conditons:
- Power source: Y1:380-415V 50Hz
- Maximum compressor operating capacity

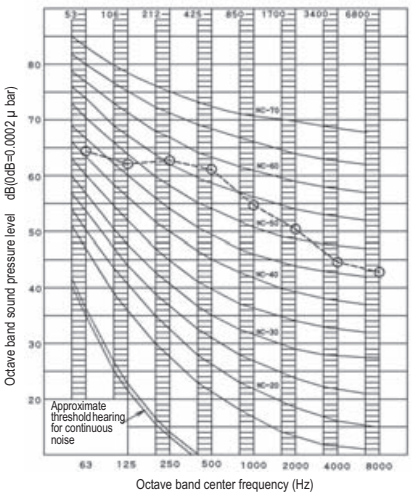
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ16PY1



4D059346B

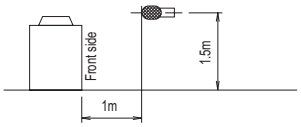
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	63
C	71

Operating conditons:
- Power source: Y1:380-415V 50Hz
- JIS Standard

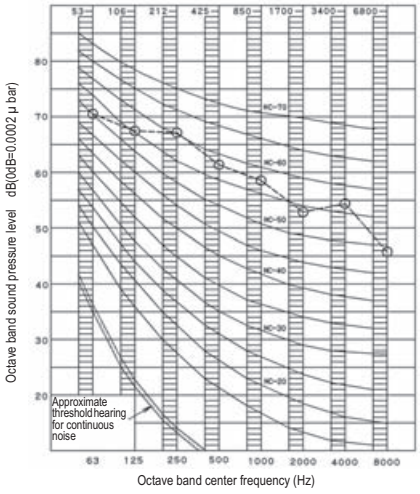
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ20PY1



4D059343A

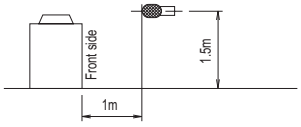
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	65
C	72

Operating conditons:
- Power source: Y1:380-415V 50Hz
- Maximum compressor operating capacity

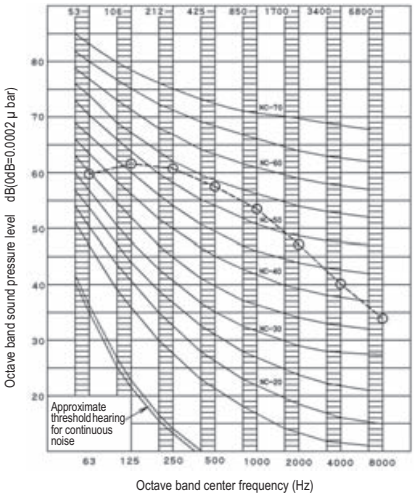
Measuring place: Anechoic chamber (Conversion value)

Location of microphone



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

RTSYQ20PY1



4D059347A

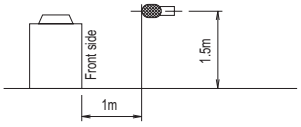
Over All (dB):
(B, G, N is already rectified)

Scale	50Hz
A	63
C	70

Operating conditons:
- Power source: Y1:380-415V 50Hz
- JIS Standard

Measuring place: Anechoic chamber (Conversion value)

Location of microphone

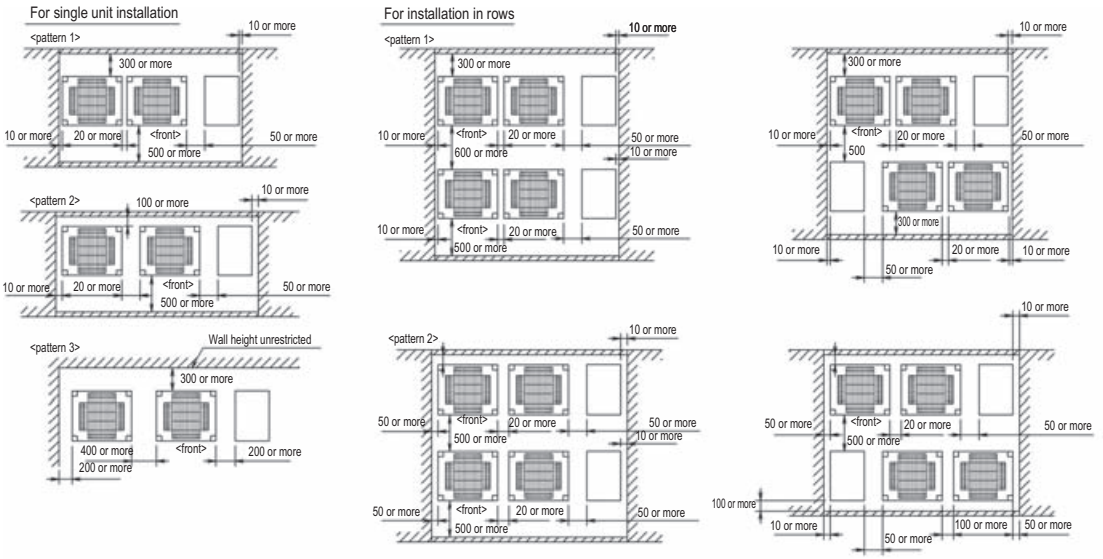


Note: The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to enviromental noise and soind reflection.

9 Installation

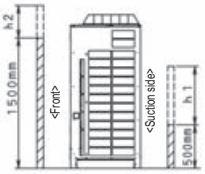
9 - 1 Service space

RTSYQ-PY1



NOTES

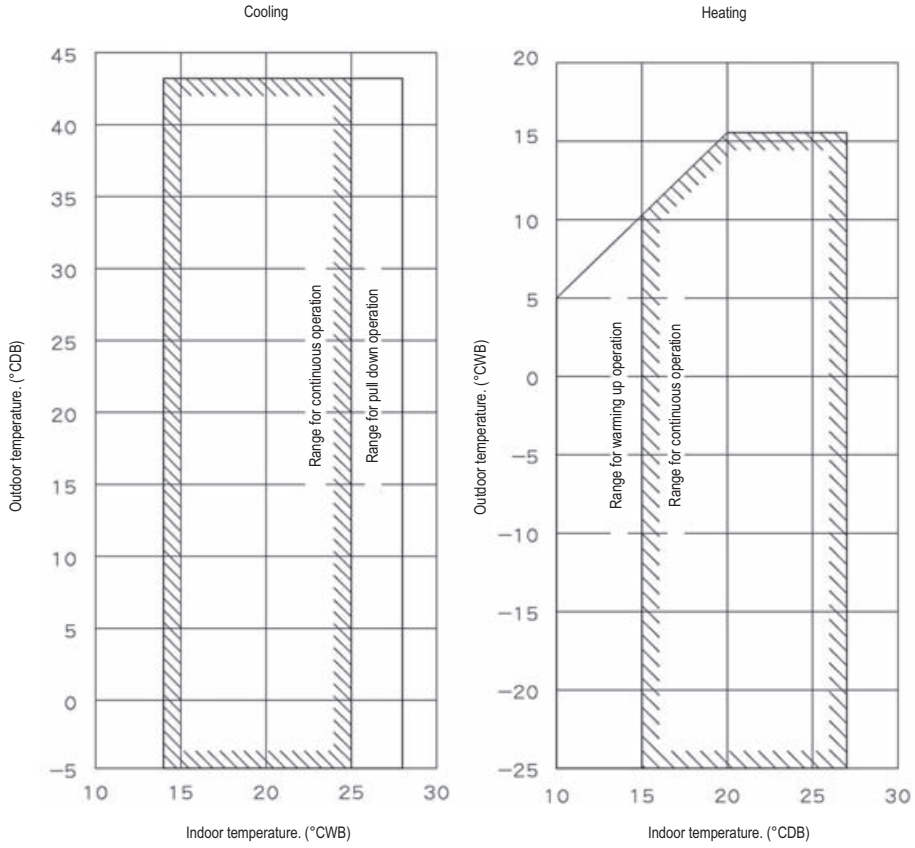
1 Heights of walls in case of Patterns 1 and 2:
Front:1500mm
Suction side: 500mm
Side: Height unrestricted.
Installation space to be shown in this drawing is based on the cooling operation at 35 degrees outdoor air temperature. When the design outdoor air temperature exceeds 35 degrees or the load exceeds maximum ability because of much generation load of heat in all outdoor unit, take the suction side space more broadly than the space to be shown in this drawing.
2 If the above wall heights are exceeded then h2/2 and h1/2 should be added to the front and suction side service spaces respectively as shown in the figure on the right.
3 When installing the units most appropriate pattern should be selected from those shown above in order to obtain the best fit in the space available always bearing in mind the need to leave enough space for a person to pass between units and wall and for the air to circulate freely.
(If more units are to be installed than are catered for in the above patterns your layout should take account of the possibility of short circuits.)
4 The units should be installed to leave sufficient space at the front for the on site refrigerant piping work to be carried out comfortably.
5 Installation of snowbreak hood (field supply; ask your dealer for details) is recommended in case there expected an effect from snow and space between outdoor unit and function unit is more than 100mm.



3D059348B

10 Operation range

RTSYQ10-20PY1



3D060824

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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EEDEN10-203

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