



Air Conditioning Technical Data

VRVIII-S heat pump



EEEN12-200

RXYSQ-P8Y1

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1 Features

- For residential and light commercial applications
- Energy efficient heating system based on air source heat pump technology
- Low energy bills and low CO2 emissions
- Possibility to connect up to 9 indoor units
- All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time.
- Wide range of indoor units: either connect VRV® or stylish indoor units such as Daikin Emura, Nexura ...
- Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended, round flow or 4-way blow cassettes
- Small capacities: 4, 5 & 6HP
- Slim design for flexible installation
- 3 steps in night quiet mode: step 1: 47 dBA, step 2: 44 dBA, step 3: 41 dBA
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand



2 Specifications

2-1 Technical Specifications					RXYSQ4P8Y1		RXYSQ5P8Y1		RXYSQ6P8Y1		
Capacity range				HP	4		5		6		
Cooling capacity		Nom.		kW	12.6 (1)		14.0 (1)		15.5 (1)		
Heating capacity		Nom.		kW	14.2 (2)		16.0 (2)		18.0 (2)		
Capacity control		Method			Inverter controlled 24 ~ 100						
		Steps		%							
Power input - 50Hz		Cooling	Nom.	kW	3.33		3.61		4.66		
		Heating	Nom.	kW	3.21		3.97		4.70		
EER					3.78		3.88		3.33		
COP					4.42		4.03		3.83		
Maximum number of connectable indoor units					8 (6) / 8 (7)		10 (6) / 9 (7)		12 (6) / 9 (7)		
Indoor index connection		Min.			50		62.5		70		
		Nom.			- 130162.5182						
		Max.									
Casing		Colour			Daikin White						
		Material			Painted galvanized steel plate						
Dimensions		Unit	Height	mm	1,345						
			Width	mm	900						
			Depth	mm	320						
		Packed unit		Height	mm	1,524					
				Width	mm	980					
				Depth	mm	420					
Weight		Unit			kg120						
		Packed unit			kg130						
Packing		Material			Carton / Wood / EPS		Carton / Wood / EPS		Carton / Wood / EPS		
		Weight			kg8						
Heat exchanger		Length		mm	857						
		Rows	Quantity			2					
		Fin pitch		mm	2						
		Passes	Quantity			10					
		Face area		m²	1.131						
		Stages	Quantity			60					
		Empty tubeplate hole	Quantity			0					
		Tube type			ø8 Hi-XSS						
		Fin	Type			Non-symmetric waffle louver					
			Treatment			Corrosion resistant					
Fan		Type			Propeller fan						
		Quantity			2						
		Air flow rate	Cooling	Nom.	m³/min	106					
			Heating	Nom.	m³/min	102		105			
		External static pressure	Max.		Pa	-					
Discharge direction			Horizontal								
Fan motor		Quantity			2						
		Model			Brushless DC motor						
		Speed	Cooling	Nom.	rpm	850					
			Heating	Nom.	rpm	820		840			
		Drive			Direct drive						
Output			W	70							
Fan motor 2		Model			Brushless DC motor						
		Speed	Cooling	Nom.	rpm	815					
			Heating	Nom.	rpm	785		805			
		Drive			Direct drive						
Output			W	70							
Sound power level		Cooling	Nom.	dBA	66		67		69		
Sound pressure level		Cooling	Nom.	dBA	50		51		53		
		Heating	Nom.	dBA	52		53		55		

2 Specifications

2-1 Technical Specifications					RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1	
Compressor	Quantity				1			
	Model				JT1G-VDLYR			
	Type				Hermetically sealed scroll compressor			
	Speed	rpm			6,480			
	Output	W			2,500	3,000	3,500	
	Starting method				Direct on line			
	Crankcase heater			W	33			
Operation range	Cooling	Min.~Max.	°CDB		-5-46			
	Heating	Min.~Max.	°CWB		-20-15.5			
Refrigerant	Type				R-410A			
	Charge			kg	4.0			
	Control				Expansion valve			
	Circuits	Quantity			1			
Refrigerant oil	Type				Daphne FVC68D			
	Charged volume			l	1.5			
Piping connections	Liquid	Type			Flare connection			
		OD	mm		9.52			
	Gas	Type			Flare connection (VRV®) / Braze connection (RA)	Flare connection (VRV®) / Braze connection (RA)	Braze connection	
		OD	mm		15.9 (6) / 19.1 (7)	15.9 (6) / 19.1 (7)	19.1	
	Drain	Quantity			3			
		OD	mm		26x3			
	Heat insulation				Both liquid and gas pipes			
	Piping length	OU - BP	Total	m	55 (7)			
			BP - IU	Max.	m	15 (7)		
				Total	m	60 (7)	80 (7)	90 (7)
	Total piping length	System	Actual	m	300 (6) / 115 (7)	300 (6) / 135 (7)	300 (6) / 145 (7)	
	Level difference	OU - IU	Outdoor unit in highest position	m	-			
			Indoor unit in highest position	m	-			
Defrost method					Reversed cycle			
Defrost control					Sensor for outdoor heat exchanger temperature			
Safety devices	Item	01			HPS			
		02			Fan motor thermal protection			
		03			Inverter overload protector			
		04			PC board fuse			
PED	Category				Category I			

Standard Accessories : Connection pipes; Quantity : 3;
 Standard Accessories : Operation manual; Quantity : 1;
 Standard Accessories : Installation manual; Quantity : 1;

2-2 Electrical Specifications				RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1
Power supply	Name			Y1		
	Phase			3N~		
	Frequency	Hz		50		
	Voltage	V		380-415		
Voltage range	Min.	%		-10		
	Max.	%		10		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	5.30	6.77	7.79

2 Specifications

2-2 Electrical Specifications				RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1
Current - 50Hz	Maximum running current		A	13.5		
	Starting current (MSC)		A	5.30	6.77	7.79
	Zmax	List		No requirements		
	Minimum circuit amps (MCA)		A	13.5		
	Maximum fuse amps (MFA)		A	16.0		
	Full load amps (FLA)	Fan motor	A	0.3		
		Fan motor 2	A	0.3		
Wiring connections - 50Hz	For power supply	Quantity		5		
		Remark		Earth wire included		
	For connection with indoor	Quantity		2		
		Remark		F1,F2		
Power supply intake				Both indoor and outdoor unit		
Field earth leakage breaker			mA	300		

Notes

- (1) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m
- (2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m
- (3) Sound power level is an absolute value that a sound source generates.
- (4) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.
- (5) Sound values are measured in a semi-anechoic room.
- (6) In case VRV® indoor units are connected
- (7) In case RA indoors are connected
- (8) RLA is based on following conditions: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB
- (9) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- (10) Maximum allowable voltage range variation between phases is 2%.
- (11) Select wire size based on the value of MCA
- (12) Instead of a fuse, use a circuit breaker
- (13) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker).
- (14) MSC means the maximum current during start up of the compressor
- (15) EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase
- (16) Ssc: Short-circuit power

3 Options

3 - 1 Options

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

4TW33621-3

NOTES

Note: All options are kits.

4 Capacity tables

4 - 1 Capacity Table Legend

English - English - αγγλικά - Ingles	Deutsch	Ελληνικά	Español
AFR: Air flow rate BF: Bypass factor TC: ratio °CDB SHF ratio °CWB EDB: Entering dry bulb temp. (°C) EWB: Entering wet bulb temp. (°C) Indoor air temperature: °CDB Single module and 2 module systems (not applicable for 3 module systems) Outdoor air temp. (°CDB) Unit size PI: Power Input: kW (compressor + outdoor fan motor) SHC: Sensible heat Capacity (kW) TC: Total Capacity: kW Nominal capacity	AFR: Luftdurchsatz BF: Bypassfaktor TC: Verhältniss °CDB SHF: Verhältnis °CWB EDB: Temperaturfühler Eintrittswasser EWB: Eingangs-Feuchtemp. Innen-Lufttemp.: °CDB Einzel-Modul- und Zwei-Modul-Systeme (nicht geeignet für Drei-Modul-Systeme) Außen-Lufttemp (°CDB) Gerätegröße PI: Leistungsaufnahme: kW (Verdichter + SHC: Sensible Wärmekapazität TC: Gesamtleistung: kW Nennwert Kühlleistung	ΑFR: Ταχύτητα ροής αέρα Αναλογία TC °CDB Αναλογία SHF °CWB ΕΔΒ: Εισόδος σε ξηρή Ατμόσφαιρα αέρος ΕΒΒ: Εισόδος σε βρεγμένη ατμόσφαιρα αέρος Εσωτερική θερμότητα: °CDB Μονομодуль ή δύο модуль (δεν ισχύει για συστήματα 3 модуль) Εξωτερική θερμότητα: °CDB Μέγεθος μονάδας PI: Ισχύς εισόδου: kW (κωμпресор + Μοτέρ εξωτερικού) SHC: Αποδοχή αισθητής θερμότητας TC: Συνολική απόδοση: kW Ονομαστική Απόδοση	AFR: Caudal de aire BF: Factor de derivación Relación TC °CDB Relación SHF °CWB EDB: Temperatura de bulbo seco de entrada EWB: Temperatura de bulbo húmedo de entrada Temp. de aire interior: °CDB Sistemas de uno y dos módulos (no aplicable a sistemas de 3 módulos) Temp. de aire exterior (°CDB) Tamaño de unidad PI: Consumo: kW (compresor + motor de ventilador SHC: Capacidad de calor sensible TC: Capacidad total: kW Nominal Capacidad
English - Anglais - Inglese - Engels	Français	Italiano	Nederlands
AFR: Air flow rate BF: Bypass factor TC: ratio °CDB SHF ratio °CWB EDB: Entering dry bulb temp. (°C) EWB: Entering wet bulb temp. (°C) Indoor air temperature: °CDB Single module and 2 module systems (not applicable for 3 module systems) Outdoor air temp. (°CDB) Unit size PI: Power Input: kW (compressor + outdoor fan motor) SHC: Sensible heat Capacity (kW) TC: Total Capacity: kW Nominal capacity	AFR: Débit d'air BF: Facteur de dérivation Rapport TC °CDB Rapport FCS °CWB EDB: Température ambiante réservoir sec EWB: Température d'entrée du réservoir humide Temp. de l'air intérieur: °CDB Ensembles à module unique et à 2 modules (pas d'application pour les ensembles à 3 modules) Temp. de l'air extérieur (°CDB) Taille de l'unité PI: Puissance d'entrée: kW (Compresseur + moteur du SHC: Puissance calorifique sensible TC: Puissance totale: kW Capacité Nominale	ΑFR: Portata d'aria BF: Fattore di bypass Rapporto TC °CDB Rapporto SHF °CWB EDB: Temp. bulbo secco in entrata EWB: Temp. bulbo umido in entrata Temp. aria interna: °CDB Sistemi ad unità singola e a 2 unità (non applicabile per sistemi a 3 unità) Temp. aria esterna (°CDB) Dim. Unità PI: Potenza assorbita: kW (compressore + motore vent. SHC: Capacità termica sensibile TC: Capacità totale: kW Capacità nominale	AFR: Luchthebiet BF: Bypassfactor TC-ratio °CDB WGf-ratio °CWB EDB: Temperatuur ingaand droge bol EWB: Temperatuur ingaand natte bol Binnenluchttemp.: °CDB Toesiden met een module en met 2 modules (niet toepasbaar voor toestellen met 3 modules) Buitenluchttemp.: (°CDB) Grootte van de eenheid PI: Vermogeninput: kW (compressor + Motor v/d SHC: Voelbare verwarmingscapaciteit TC: Totaal vermogen: kW Nominale Capaciteit
English - انگلیسی - Inglizce	Русский	Türkçe	
AFR: Air flow rate BF: Bypass factor TC: ratio °CDB SHF ratio °CWB EDB: Entering dry bulb temp. (°C) EWB: Entering wet bulb temp. (°C) Indoor air temperature: °CDB Single module and 2 module systems (not applicable for 3 module systems) Outdoor air temp. (°CDB) Unit size PI: Power Input: kW (compressor + outdoor fan motor) SHC: Sensible heat Capacity (kW) TC: Total Capacity: kW Nominal capacity	AFR: Скорость воздушного потока BF: Коэффициент байпасирования Коэфф. TC °CDB Коэфф. SHF °CWB EDB: Температура на входе сухого термометра. EWB: Температура на входе влажного термометра. Внутренняя температура воздуха: °CDB Одномодульная и 2-модульные системы (не относятся к 3-модульным системам) Наружная температура воздуха (°CDB) Размер элемента PI: Входная мощность: kW (Компрессор + мотор SHC: Отёпительная ёмкость от радиуса охлаждения TC: Общая мощность: kW Номинальная Мощность	ΑFR: Hava akış hızı BF: Baypas faktörü TC oranı °CDB SHF oranı °CWB EDB: Giriş kuru hava sıcaklığı EWB: Giriş ıslak hava sıcaklığı İç hava sıcaklığı: °CDB Tek modüllü ve 2 modüllü sistemler (3 modüllü sistemler için geçerli değildir) Dış hava sıcaklığı (°CDB) Ünite büyüklüğü PI: Güç Girişi: kW (Kompresör + Dış fan motoru) SHC: Hissedilebilir ısı kapasitesi TC: Toplam kapasite: kW Nominal Kapasite	

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4 Capacity tables

4 - 2 Cooling Capacity Tables

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Total capacity (kW)
Power Input (kW) (Compressor + outdoor fan motor)

Combination (%) (Capacity index)	Outdoor air temperature (°CDB)	Indoor air temp (°CWB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110% 13.86 kW	10	9.35	1.27	11.2	1.55	13.0	1.84	13.9	1.99	14.8	2.14	16.6	2.44	18.4	2.75
	12	9.35	1.30	11.2	1.58	13.0	1.87	13.9	2.03	14.8	2.18	16.6	2.49	18.2	2.75
	14	9.35	1.32	11.2	1.61	13.0	1.91	13.9	2.07	14.8	2.22	16.6	2.54	17.9	2.74
	16	9.35	1.34	11.2	1.64	13.0	1.95	13.9	2.11	14.8	2.26	16.6	2.63	17.7	2.89
	18	9.35	1.37	11.2	1.67	13.0	1.99	13.9	2.16	14.8	2.38	16.6	2.84	17.5	3.04
	20	9.35	1.40	11.2	1.70	13.0	2.10	13.9	2.32	14.8	2.56	16.6	3.05	17.2	3.19
	21	9.35	1.41	11.2	1.76	13.0	2.18	13.9	2.41	14.8	2.65	16.6	3.17	17.1	3.26
	23	9.35	1.48	11.2	1.88	13.0	2.34	13.9	2.58	14.8	2.84	16.5	3.38	16.9	3.41
	25	9.35	1.58	11.2	2.01	13.0	2.50	13.9	2.77	14.8	3.05	16.3	3.53	16.6	3.56
	27	9.35	1.68	11.2	2.15	13.0	2.68	13.9	2.96	14.8	3.26	16.0	3.68	16.4	3.71
	29	9.35	1.79	11.2	2.29	13.0	2.86	13.9	3.17	14.8	3.49	15.8	3.83	16.1	3.86
	31	9.35	1.91	11.2	2.45	13.0	3.05	13.9	3.38	14.8	3.73	15.6	3.98	15.9	4.01
	33	9.35	2.03	11.2	2.61	13.0	3.26	13.9	3.61	14.8	3.98	15.3	4.13	15.7	4.16
	35	9.35	2.16	11.2	2.78	13.0	3.48	13.9	3.85	14.7	4.24	15.1	4.28	15.4	4.31
	37	9.35	2.30	11.2	2.96	13.0	3.71	13.9	4.11	14.5	4.39	14.8	4.43	15.2	4.46
	39	9.35	2.44	11.2	3.15	13.0	3.95	13.9	4.39	14.3	4.54	14.6	4.58	14.9	4.62
100% 12.60 kW	10	8.50	1.15	10.1	1.39	11.8	1.65	12.6	1.78	13.4	1.92	15.1	2.19	16.7	2.47
	12	8.50	1.17	10.1	1.42	11.8	1.68	12.6	1.81	13.4	1.95	15.1	2.23	16.7	2.51
	14	8.50	1.19	10.1	1.44	11.8	1.71	12.6	1.85	13.4	1.99	15.1	2.27	16.7	2.56
	16	8.50	1.21	10.1	1.47	11.8	1.74	12.6	1.89	13.4	2.03	15.1	2.32	16.7	2.67
	18	8.50	1.23	10.1	1.50	11.8	1.78	12.6	1.92	13.4	2.07	15.1	2.45	16.7	2.87
	20	8.50	1.26	10.1	1.53	11.8	1.83	12.6	2.02	13.4	2.22	15.1	2.64	16.7	3.09
	21	8.50	1.27	10.1	1.54	11.8	1.90	12.6	2.09	13.4	2.30	15.1	2.73	16.7	3.21
	23	8.50	1.30	10.1	1.65	11.8	2.03	12.6	2.24	13.4	2.46	15.1	2.93	16.5	3.39
	25	8.50	1.39	10.1	1.76	11.8	2.17	12.6	2.40	13.4	2.64	15.1	3.14	16.3	3.53
	27	8.50	1.48	10.1	1.88	11.8	2.32	12.6	2.57	13.4	2.82	15.1	3.36	16.1	3.68
	29	8.50	1.58	10.1	2.00	11.8	2.48	12.6	2.74	13.4	3.01	15.1	3.60	15.8	3.83
	31	8.50	1.68	10.1	2.13	11.8	2.65	12.6	2.93	13.4	3.22	15.1	3.85	15.6	3.98
	33	8.50	1.78	10.1	2.27	11.8	2.82	12.6	3.12	13.4	3.44	15.0	4.10	15.3	4.13
	35	8.50	1.90	10.1	2.42	11.8	3.01	12.6	3.33	13.4	3.67	14.8	4.25	15.1	4.28
	37	8.50	2.01	10.1	2.57	11.8	3.21	12.6	3.55	13.4	3.91	14.6	4.40	14.9	4.43
	39	8.50	2.14	10.1	2.74	11.8	3.42	12.6	3.78	13.4	4.17	14.3	4.55	14.6	4.58
90% 11.34 kW	10	7.65	1.03	9.13	1.24	10.6	1.46	11.3	1.58	12.1	1.70	13.6	1.94	15.0	2.18
	12	7.65	1.04	9.13	1.26	10.6	1.49	11.3	1.61	12.1	1.73	13.6	1.97	15.0	2.23
	14	7.65	1.06	9.13	1.28	10.6	1.52	11.3	1.64	12.1	1.76	13.6	2.01	15.0	2.27
	16	7.65	1.08	9.13	1.31	10.6	1.55	11.3	1.67	12.1	1.80	13.6	2.05	15.0	2.31
	18	7.65	1.10	9.13	1.33	10.6	1.58	11.3	1.70	12.1	1.83	13.6	2.09	15.0	2.44
	20	7.65	1.12	9.13	1.36	10.6	1.61	11.3	1.74	12.1	1.90	13.6	2.25	15.0	2.63
	21	7.65	1.13	9.13	1.37	10.6	1.64	11.3	1.80	12.1	1.97	13.6	2.33	15.0	2.72
	23	7.65	1.15	9.13	1.43	10.6	1.75	11.3	1.92	12.1	2.11	13.6	2.50	15.0	2.92
	25	7.65	1.21	9.13	1.52	10.6	1.87	11.3	2.06	12.1	2.25	13.6	2.67	15.0	3.13
	27	7.65	1.29	9.13	1.63	10.6	2.00	11.3	2.20	12.1	2.41	13.6	2.86	15.0	3.35
	29	7.65	1.38	9.13	1.73	10.6	2.13	11.3	2.35	12.1	2.57	13.6	3.06	15.0	3.59
	31	7.65	1.46	9.13	1.84	10.6	2.27	11.3	2.50	12.1	2.75	13.6	3.27	15.0	3.83
	33	7.65	1.55	9.13	1.96	10.6	2.42	11.3	2.67	12.1	2.93	13.6	3.49	15.0	4.10
	35	7.65	1.65	9.13	2.09	10.6	2.58	11.3	2.84	12.1	3.12	13.6	3.72	14.8	4.25
	37	7.65	1.75	9.13	2.22	10.6	2.75	11.3	3.03	12.1	3.33	13.6	3.97	14.6	4.40
	39	7.65	1.86	9.13	2.36	10.6	2.92	11.3	3.23	12.1	3.55	13.6	4.23	14.3	4.55
80% 10.08 kW	10	6.80	0.91	8.11	1.09	9.42	1.28	10.1	1.38	10.7	1.48	12.0	1.69	13.4	1.91
	12	6.80	0.93	8.11	1.11	9.42	1.31	10.1	1.41	10.7	1.51	12.0	1.72	13.4	1.94
	14	6.80	0.94	8.11	1.13	9.42	1.33	10.1	1.43	10.7	1.54	12.0	1.76	13.4	1.98
	16	6.80	0.96	8.11	1.15	9.42	1.35	10.1	1.46	10.7	1.57	12.0	1.79	13.4	2.02
	18	6.80	0.97	8.11	1.17	9.42	1.38	10.1	1.49	10.7	1.60	12.0	1.83	13.4	2.06
	20	6.80	0.99	8.11	1.19	9.42	1.41	10.1	1.52	10.7	1.63	12.0	1.89	13.4	2.20
	21	6.80	1.00	8.11	1.20	9.42	1.42	10.1	1.53	10.7	1.66	12.0	1.96	13.4	2.28
	23	6.80	1.02	8.11	1.23	9.42	1.49	10.1	1.63	10.7	1.78	12.0	2.10	13.4	2.44
	25	6.80	1.05	8.11	1.31	9.42	1.59	10.1	1.74	10.7	1.90	12.0	2.25	13.4	2.62
	27	6.80	1.12	8.11	1.39	9.42	1.70	10.1	1.86	10.7	2.03	12.0	2.40	13.4	2.80
	29	6.80	1.19	8.11	1.48	9.42	1.81	10.1	1.99	10.7	2.17	12.0	2.56	13.4	2.99
	31	6.80	1.26	8.11	1.58	9.42	1.93	10.1	2.12	10.7	2.31	12.0	2.74	13.4	3.20
	33	6.80	1.34	8.11	1.68	9.42	2.05	10.1	2.25	10.7	2.47	12.0	2.92	13.4	3.41
	35	6.80	1.42	8.11	1.78	9.42	2.18	10.1	2.40	10.7	2.63	12.0	3.11	13.4	3.64
	37	6.80	1.51	8.11	1.89	9.42	2.32	10.1	2.55	10.7	2.80	12.0	3.32	13.4	3.88
	39	6.80	1.60	8.11	2.01	9.42	2.47	10.1	2.72	10.7	2.98	12.0	3.53	13.4	4.14

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - ПРИМЕЧАНИЯ

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

Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.

Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.

La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.

Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.

La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.

De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.

Таблица расположенная выше показывает среднее значение условий, которые могут наступить.

4 Capacity tables

4 - 2 Cooling Capacity Tables

RXYSQ4P8Y1

		Total capacity (kW) Power Input (kW) (Compressor + outdoor fan motor)													
Combination (%) (Capacity index)	Outdoor air temperature (°CDB)	Indoor air temp (°CWB)													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70% 8.82 kW	10	5.95	0.80	7.10	0.95	8.25	1.11	8.82	1.19	9.39	1.28	10.5	1.45	11.7	1.63
	12	5.95	0.81	7.10	0.97	8.25	1.13	8.82	1.21	9.39	1.30	10.5	1.48	11.7	1.66
	14	5.95	0.83	7.10	0.98	8.25	1.15	8.82	1.24	9.39	1.32	10.5	1.51	11.7	1.70
	16	5.95	0.84	7.10	1.00	8.25	1.17	8.82	1.26	9.39	1.35	10.5	1.54	11.7	1.73
	18	5.95	0.85	7.10	1.02	8.25	1.19	8.82	1.28	9.39	1.38	10.5	1.57	11.7	1.76
	20	5.95	0.87	7.10	1.04	8.25	1.21	8.82	1.31	9.39	1.40	10.5	1.60	11.7	1.81
	21	5.95	0.88	7.10	1.05	8.25	1.23	8.82	1.32	9.39	1.42	10.5	1.62	11.7	1.88
	23	5.95	0.89	7.10	1.06	8.25	1.25	8.82	1.36	9.39	1.48	10.5	1.74	11.7	2.01
	25	5.95	0.91	7.10	1.11	8.25	1.33	8.82	1.46	9.39	1.58	10.5	1.86	11.7	2.15
	27	5.95	0.96	7.10	1.18	8.25	1.42	8.82	1.55	9.39	1.69	10.5	1.98	11.7	2.30
	29	5.95	1.02	7.10	1.25	8.25	1.51	8.82	1.65	9.39	1.80	10.5	2.11	11.7	2.45
	31	5.95	1.08	7.10	1.33	8.25	1.61	8.82	1.76	9.39	1.92	10.5	2.25	11.7	2.62
	33	5.95	1.14	7.10	1.41	8.25	1.71	8.82	1.87	9.39	2.04	10.5	2.40	11.7	2.79
	35	5.95	1.21	7.10	1.50	8.25	1.82	8.82	1.99	9.39	2.17	10.5	2.56	11.7	2.97
	37	5.95	1.28	7.10	1.59	8.25	1.93	8.82	2.12	9.39	2.31	10.5	2.72	11.7	3.17
	39	5.95	1.36	7.10	1.68	8.25	2.05	8.82	2.25	9.39	2.46	10.5	2.90	11.7	3.38
60% 7.56 kW	10	5.10	0.70	6.09	0.82	7.07	0.95	7.56	1.01	8.05	1.08	9.03	1.22	10.0	1.37
	12	5.10	0.71	6.09	0.83	7.07	0.96	7.56	1.03	8.05	1.10	9.03	1.25	10.0	1.40
	14	5.10	0.72	6.09	0.84	7.07	0.98	7.56	1.05	8.05	1.12	9.03	1.27	10.0	1.42
	16	5.10	0.73	6.09	0.86	7.07	1.00	7.56	1.07	8.05	1.14	9.03	1.29	10.0	1.45
	18	5.10	0.74	6.09	0.87	7.07	1.01	7.56	1.09	8.05	1.16	9.03	1.32	10.0	1.48
	20	5.10	0.75	6.09	0.89	7.07	1.03	7.56	1.11	8.05	1.18	9.03	1.34	10.0	1.51
	21	5.10	0.76	6.09	0.89	7.07	1.04	7.56	1.12	8.05	1.19	9.03	1.36	10.0	1.52
	23	5.10	0.77	6.09	0.91	7.07	1.06	7.56	1.14	8.05	1.22	9.03	1.41	10.0	1.62
	25	5.10	0.78	6.09	0.93	7.07	1.10	7.56	1.20	8.05	1.29	9.03	1.50	10.0	1.73
	27	5.10	0.81	6.09	0.98	7.07	1.17	7.56	1.27	8.05	1.38	9.03	1.60	10.0	1.85
	29	5.10	0.86	6.09	1.04	7.07	1.25	7.56	1.35	8.05	1.47	9.03	1.71	10.0	1.97
	31	5.10	0.91	6.09	1.11	7.07	1.32	7.56	1.44	8.05	1.56	9.03	1.82	10.0	2.10
	33	5.10	0.96	6.09	1.17	7.07	1.40	7.56	1.53	8.05	1.66	9.03	1.94	10.0	2.23
	35	5.10	1.02	6.09	1.24	7.07	1.49	7.56	1.62	8.05	1.76	9.03	2.06	10.0	2.38
	37	5.10	1.08	6.09	1.32	7.07	1.58	7.56	1.72	8.05	1.87	9.03	2.19	10.0	2.53
	39	5.10	1.14	6.09	1.39	7.07	1.68	7.56	1.83	8.05	1.99	9.03	2.32	10.0	2.69
50% 6.30 kW	10	4.25	0.60	5.07	0.69	5.89	0.79	6.30	0.85	6.71	0.90	7.53	1.01	8.35	1.13
	12	4.25	0.61	5.07	0.70	5.89	0.81	6.30	0.86	6.71	0.91	7.53	1.03	8.35	1.14
	14	4.25	0.62	5.07	0.71	5.89	0.82	6.30	0.87	6.71	0.93	7.53	1.04	8.35	1.16
	16	4.25	0.62	5.07	0.72	5.89	0.83	6.30	0.89	6.71	0.94	7.53	1.06	8.35	1.19
	18	4.25	0.63	5.07	0.74	5.89	0.85	6.30	0.90	6.71	0.96	7.53	1.08	8.35	1.21
	20	4.25	0.64	5.07	0.75	5.89	0.86	6.30	0.92	6.71	0.98	7.53	1.10	8.35	1.23
	21	4.25	0.65	5.07	0.75	5.89	0.87	6.30	0.93	6.71	0.99	7.53	1.11	8.35	1.24
	23	4.25	0.66	5.07	0.77	5.89	0.88	6.30	0.94	6.71	1.00	7.53	1.13	8.35	1.27
	25	4.25	0.67	5.07	0.78	5.89	0.90	6.30	0.96	6.71	1.04	7.53	1.19	8.35	1.36
	27	4.25	0.68	5.07	0.81	5.89	0.95	6.30	1.02	6.71	1.10	7.53	1.27	8.35	1.44
	29	4.25	0.72	5.07	0.85	5.89	1.01	6.30	1.09	6.71	1.17	7.53	1.35	8.35	1.54
	31	4.25	0.76	5.07	0.90	5.89	1.07	6.30	1.15	6.71	1.24	7.53	1.43	8.35	1.64
	33	4.25	0.80	5.07	0.96	5.89	1.13	6.30	1.22	6.71	1.32	7.53	1.52	8.35	1.74
	35	4.25	0.84	5.07	1.01	5.89	1.20	6.30	1.29	6.71	1.40	7.53	1.61	8.35	1.85
	37	4.25	0.89	5.07	1.07	5.89	1.27	6.30	1.37	6.71	1.48	7.53	1.71	8.35	1.96
	39	4.25	0.94	5.07	1.13	5.89	1.34	6.30	1.45	6.71	1.57	7.53	1.82	8.35	2.09

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания

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Таблица расположенная выше показывает среднее значение условий, которые могут наступить.

4 Capacity tables

4 - 2 Cooling Capacity Tables

RXYSQ5P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130% 18.20 kW	10	12.3	1.66	14.6	2.03	17.0	2.42	18.2	2.62	19.1	2.75	19.6	2.63	20.0	2.51
	12	12.3	1.69	14.6	2.07	17.0	2.47	18.2	2.66	18.9	2.73	19.3	2.61	19.8	2.57
	14	12.3	1.72	14.6	2.11	17.0	2.51	18.2	2.71	18.6	2.71	19.1	2.69	19.5	2.71
	16	12.3	1.76	14.6	2.15	17.0	2.56	18.2	2.80	18.4	2.81	18.8	2.83	19.3	2.86
	18	12.3	1.79	14.6	2.20	17.0	2.73	17.9	2.94	18.1	2.95	18.6	2.98	19.0	3.00
	20	12.3	1.83	14.6	2.34	17.0	2.93	17.7	3.08	17.9	3.10	18.3	3.12	18.8	3.15
	21	12.3	1.88	14.6	2.42	17.0	3.04	17.5	3.15	17.8	3.17	18.2	3.20	18.7	3.22
	23	12.3	2.01	14.6	2.60	17.0	3.26	17.3	3.30	17.5	3.31	18.0	3.34	18.4	3.37
	25	12.3	2.15	14.6	2.78	16.8	3.43	17.1	3.44	17.3	3.46	17.7	3.49	18.2	3.52
	27	12.3	2.30	14.6	2.98	16.6	3.57	16.8	3.59	17.0	3.60	17.5	3.64	17.9	3.67
	29	12.3	2.45	14.6	3.18	16.3	3.71	16.6	3.73	16.8	3.75	17.2	3.78	17.7	3.82
	31	12.3	2.62	14.6	3.40	16.1	3.86	16.3	3.88	16.5	3.90	17.0	3.93	17.4	3.97
	33	12.3	2.79	14.6	3.63	15.8	4.00	16.1	4.02	16.3	4.04	16.7	4.08	17.2	4.12
	35	12.3	2.97	14.6	3.87	15.6	4.15	15.8	4.17	16.0	4.19	16.5	4.23	16.9	4.27
	37	12.3	3.16	14.6	4.13	15.3	4.30	15.6	4.32	15.8	4.34	16.2	4.38	16.7	4.43
	39	12.3	3.37	14.6	4.40	15.1	4.44	15.3	4.47	15.5	4.49	16.0	4.54	16.4	4.58
120% 16.80 kW	10	11.3	1.52	13.5	1.86	15.7	2.21	16.8	2.38	17.9	2.56	19.3	2.71	19.7	2.60
	12	11.3	1.55	13.5	1.89	15.7	2.25	16.8	2.43	17.9	2.61	19.0	2.69	19.4	2.58
	14	11.3	1.58	13.5	1.93	15.7	2.29	16.8	2.48	17.9	2.66	18.8	2.68	19.2	2.69
	16	11.3	1.61	13.5	1.96	15.7	2.34	16.8	2.52	17.9	2.73	18.5	2.72	18.9	2.84
	18	11.3	1.64	13.5	2.00	15.7	2.42	16.8	2.67	17.9	2.94	18.3	2.96	18.7	2.98
	20	11.3	1.67	13.5	2.08	15.7	2.60	16.8	2.88	17.6	3.08	18.0	3.10	18.4	3.13
	21	11.3	1.69	13.5	2.16	15.7	2.69	16.8	2.98	17.5	3.15	17.9	3.18	18.3	3.20
	23	11.3	1.80	13.5	2.31	15.7	2.89	16.8	3.20	17.2	3.29	17.7	3.32	18.1	3.35
	25	11.3	1.92	13.5	2.47	15.7	3.09	16.8	3.42	17.0	3.44	17.4	3.47	17.8	3.50
	27	11.3	2.05	13.5	2.64	15.7	3.31	16.5	3.57	16.7	3.58	17.2	3.61	17.6	3.64
	29	11.3	2.19	13.5	2.82	15.7	3.54	16.3	3.71	16.5	3.73	16.9	3.76	17.3	3.79
	31	11.3	2.33	13.5	3.01	15.7	3.78	16.0	3.86	16.2	3.87	16.7	3.91	17.1	3.94
	33	11.3	2.49	13.5	3.21	15.6	3.98	15.8	4.00	16.0	4.02	16.4	4.06	16.8	4.09
	35	11.3	2.65	13.5	3.43	15.3	4.13	15.5	4.15	15.8	4.17	16.2	4.20	16.6	4.24
	37	11.3	2.82	13.5	3.65	15.1	4.27	15.3	4.29	15.5	4.31	15.9	4.35	16.3	4.39
	39	11.3	3.00	13.5	3.89	14.8	4.42	15.1	4.44	15.3	4.46	15.7	4.50	16.1	4.55
110% 15.40 kW	10	10.4	1.38	12.4	1.68	14.4	1.99	15.4	2.16	16.4	2.32	18.4	2.65	19.3	2.69
	12	10.4	1.40	12.4	1.71	14.4	2.03	15.4	2.20	16.4	2.36	18.4	2.70	19.1	2.68
	14	10.4	1.43	12.4	1.74	14.4	2.07	15.4	2.24	16.4	2.41	18.4	2.75	18.8	2.68
	16	10.4	1.46	12.4	1.78	14.4	2.11	15.4	2.28	16.4	2.46	18.2	2.80	18.6	2.82
	18	10.4	1.48	12.4	1.81	14.4	2.15	15.4	2.35	16.4	2.58	18.0	2.94	18.3	2.96
	20	10.4	1.51	12.4	1.85	14.4	2.28	15.4	2.52	16.4	2.77	17.7	3.09	18.1	3.11
	21	10.4	1.53	12.4	1.90	14.4	2.36	15.4	2.61	16.4	2.87	17.6	3.16	18.0	3.18
	23	10.4	1.60	12.4	2.04	14.4	2.53	15.4	2.80	16.4	3.08	17.3	3.30	17.7	3.33
	25	10.4	1.71	12.4	2.18	14.4	2.71	15.4	3.00	16.4	3.30	17.1	3.45	17.5	3.47
	27	10.4	1.82	12.4	2.33	14.4	2.90	15.4	3.21	16.4	3.54	16.8	3.59	17.2	3.62
	29	10.4	1.94	12.4	2.49	14.4	3.10	15.4	3.43	16.2	3.71	16.6	3.74	17.0	3.76
	31	10.4	2.07	12.4	2.65	14.4	3.31	15.4	3.67	16.0	3.85	16.3	3.88	16.7	3.91
	33	10.4	2.20	12.4	2.83	14.4	3.53	15.4	3.92	15.7	3.99	16.1	4.03	16.5	4.06
	35	10.4	2.34	12.4	3.01	14.4	3.77	15.3	4.12	15.5	4.14	15.8	4.17	16.2	4.21
	37	10.4	2.49	12.4	3.21	14.4	4.02	15.0	4.27	15.2	4.29	15.6	4.32	16.0	4.36
	39	10.4	2.65	12.4	3.41	14.4	4.28	14.8	4.41	15.0	4.43	15.4	4.47	15.7	4.51
100% 14.00 kW	10	9.45	1.24	11.3	1.51	13.1	1.79	14.0	1.93	14.9	2.08	16.7	2.37	18.6	2.67
	12	9.45	1.27	11.3	1.54	13.1	1.82	14.0	1.97	14.9	2.12	16.7	2.42	18.6	2.72
	14	9.45	1.29	11.3	1.56	13.1	1.86	14.0	2.00	14.9	2.16	16.7	2.46	18.5	2.76
	16	9.45	1.31	11.3	1.59	13.1	1.89	14.0	2.04	14.9	2.20	16.7	2.51	18.2	2.80
	18	9.45	1.34	11.3	1.62	13.1	1.93	14.0	2.08	14.9	2.24	16.7	2.56	18.0	2.94
	20	9.45	1.36	11.3	1.66	13.1	1.99	14.0	2.19	14.9	2.40	16.7	2.86	17.7	3.09
	21	9.45	1.37	11.3	1.67	13.1	2.06	14.0	2.27	14.9	2.49	16.7	2.96	17.6	3.16
	23	9.45	1.41	11.3	1.78	13.1	2.20	14.0	2.43	14.9	2.67	16.7	3.18	17.4	3.30
	25	9.45	1.51	11.3	1.91	13.1	2.36	14.0	2.60	14.9	2.86	16.7	3.41	17.1	3.45
	27	9.45	1.60	11.3	2.04	13.1	2.52	14.0	2.78	14.9	3.06	16.5	3.57	16.9	3.59
	29	9.45	1.71	11.3	2.17	13.1	2.69	14.0	2.97	14.9	3.27	16.3	3.71	16.6	3.74
	31	9.45	1.82	11.3	2.31	13.1	2.87	14.0	3.17	14.9	3.49	16.0	3.85	16.4	3.88
	33	9.45	1.93	11.3	2.46	13.1	3.06	14.0	3.39	14.9	3.73	15.8	4.00	16.1	4.03
	35	9.45	2.05	11.3	2.62	13.1	3.26	14.0	3.61	14.9	3.97	15.5	4.15	15.9	4.18
	37	9.45	2.18	11.3	2.79	13.1	3.48	14.0	3.85	14.9	4.24	15.3	4.29	15.6	4.33
	39	9.45	2.32	11.3	2.97	13.1	3.70	14.0	4.10	14.7	4.40	15.0	4.44	15.4	4.47

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

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

Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.

Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.

La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.

Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.

La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.

De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.

Таблица расположенная выше показывает среднее значение условий, которые могут наступить.

Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

4 Capacity tables

4 - 2 Cooling Capacity Tables

RXYSQ5P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

		Indoor air temp. [°CWB]													
Combination [%] (Capacity index)	Outdoor air temp. °CDB	14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90% 12.60 kW	10	8.50	1.11	10.1	1.34	11.8	1.59	12.6	1.71	13.4	1.84	15.1	2.10	16.7	2.37
	12	8.50	1.13	10.1	1.37	11.8	1.61	12.6	1.74	13.4	1.87	15.1	2.14	16.7	2.41
	14	8.50	1.15	10.1	1.39	11.8	1.64	12.6	1.78	13.4	1.91	15.1	2.18	16.7	2.46
	16	8.50	1.17	10.1	1.42	11.8	1.68	12.6	1.81	13.4	1.95	15.1	2.22	16.7	2.51
	18	8.50	1.19	10.1	1.44	11.8	1.71	12.6	1.85	13.4	1.98	15.1	2.27	16.7	2.65
	20	8.50	1.22	10.1	1.47	11.8	1.74	12.6	1.88	13.4	2.06	15.1	2.44	16.7	2.85
	21	8.50	1.23	10.1	1.49	11.8	1.77	12.6	1.95	13.4	2.13	15.1	2.53	16.7	2.95
	23	8.50	1.25	10.1	1.55	11.8	1.90	12.6	2.09	13.4	2.28	15.1	2.71	16.7	3.17
	25	8.50	1.32	10.1	1.65	11.8	2.03	12.6	2.23	13.4	2.44	15.1	2.90	16.7	3.40
	27	8.50	1.40	10.1	1.76	11.8	2.17	12.6	2.38	13.4	2.61	15.1	3.10	16.5	3.57
	29	8.50	1.49	10.1	1.88	11.8	2.31	12.6	2.55	13.4	2.79	15.1	3.32	16.3	3.71
	31	8.50	1.59	10.1	2.00	11.8	2.46	12.6	2.72	13.4	2.98	15.1	3.54	16.0	3.85
	33	8.50	1.68	10.1	2.13	11.8	2.63	12.6	2.89	13.4	3.18	15.1	3.78	15.8	4.00
	35	8.50	1.79	10.1	2.26	11.8	2.80	12.6	3.08	13.4	3.39	15.1	4.04	15.5	4.14
	37	8.50	1.90	10.1	2.41	11.8	2.98	12.6	3.28	13.4	3.61	15.0	4.26	15.3	4.29
	39	8.50	2.01	10.1	2.56	11.8	3.17	12.6	3.50	13.4	3.85	14.7	4.41	15.0	4.44
80% 11.20 kW	10	7.56	0.99	9.02	1.18	10.5	1.39	11.2	1.50	11.9	1.61	13.4	1.83	14.8	2.07
	12	7.56	1.00	9.02	1.20	10.5	1.42	11.2	1.53	11.9	1.64	13.4	1.87	14.8	2.10
	14	7.56	1.02	9.02	1.23	10.5	1.44	11.2	1.55	11.9	1.67	13.4	1.90	14.8	2.14
	16	7.56	1.04	9.02	1.25	10.5	1.47	11.2	1.58	11.9	1.70	13.4	1.94	14.8	2.19
	18	7.56	1.06	9.02	1.27	10.5	1.50	11.2	1.61	11.9	1.73	13.4	1.98	14.8	2.23
	20	7.56	1.07	9.02	1.29	10.5	1.53	11.2	1.65	11.9	1.77	13.4	2.05	14.8	2.39
	21	7.56	1.08	9.02	1.31	10.5	1.54	11.2	1.66	11.9	1.80	13.4	2.12	14.8	2.47
	23	7.56	1.10	9.02	1.33	10.5	1.62	11.2	1.77	11.9	1.93	13.4	2.28	14.8	2.65
	25	7.56	1.14	9.02	1.42	10.5	1.73	11.2	1.89	11.9	2.06	13.4	2.44	14.8	2.84
	27	7.56	1.21	9.02	1.51	10.5	1.84	11.2	2.02	11.9	2.20	13.4	2.60	14.8	3.04
	29	7.56	1.29	9.02	1.61	10.5	1.96	11.2	2.15	11.9	2.35	13.4	2.78	14.8	3.24
	31	7.56	1.37	9.02	1.71	10.5	2.09	11.2	2.29	11.9	2.51	13.4	2.97	14.8	3.47
	33	7.56	1.45	9.02	1.82	10.5	2.22	11.2	2.44	11.9	2.67	13.4	3.16	14.8	3.70
	35	7.56	1.54	9.02	1.93	10.5	2.37	11.2	2.60	11.9	2.85	13.4	3.37	14.8	3.95
	37	7.56	1.63	9.02	2.05	10.5	2.52	11.2	2.77	11.9	3.03	13.4	3.60	14.8	4.21
	39	7.56	1.73	9.02	2.18	10.5	2.67	11.2	2.94	11.9	3.23	13.4	3.83	14.7	4.40
70% 9.80 kW	10	6.61	0.87	7.89	1.03	9.16	1.20	9.80	1.29	10.4	1.39	11.7	1.58	13.0	1.77
	12	6.61	0.88	7.89	1.05	9.16	1.22	9.80	1.32	10.4	1.41	11.7	1.60	13.0	1.80
	14	6.61	0.90	7.89	1.07	9.16	1.25	9.80	1.34	10.4	1.44	11.7	1.63	13.0	1.84
	16	6.61	0.91	7.89	1.08	9.16	1.27	9.80	1.36	10.4	1.46	11.7	1.67	13.0	1.87
	18	6.61	0.93	7.89	1.10	9.16	1.29	9.80	1.39	10.4	1.49	11.7	1.70	13.0	1.91
	20	6.61	0.94	7.89	1.12	9.16	1.32	9.80	1.42	10.4	1.52	11.7	1.73	13.0	1.96
	21	6.61	0.95	7.89	1.13	9.16	1.33	9.80	1.43	10.4	1.53	11.7	1.76	13.0	2.03
	23	6.61	0.97	7.89	1.15	9.16	1.36	9.80	1.48	10.4	1.61	11.7	1.88	13.0	2.18
	25	6.61	0.98	7.89	1.20	9.16	1.45	9.80	1.58	10.4	1.72	11.7	2.01	13.0	2.33
	27	6.61	1.04	7.89	1.28	9.16	1.54	9.80	1.68	10.4	1.83	11.7	2.15	13.0	2.49
	29	6.61	1.10	7.89	1.36	9.16	1.64	9.80	1.79	10.4	1.95	11.7	2.29	13.0	2.66
	31	6.61	1.17	7.89	1.44	9.16	1.75	9.80	1.91	10.4	2.08	11.7	2.44	13.0	2.84
	33	6.61	1.24	7.89	1.53	9.16	1.86	9.80	2.03	10.4	2.21	11.7	2.60	13.0	3.03
	35	6.61	1.31	7.89	1.62	9.16	1.97	9.80	2.16	10.4	2.35	11.7	2.77	13.0	3.22
	37	6.61	1.39	7.89	1.72	9.16	2.09	9.80	2.29	10.4	2.50	11.7	2.95	13.0	3.44
	39	6.61	1.47	7.89	1.83	9.16	2.22	9.80	2.44	10.4	2.66	11.7	3.14	13.0	3.66
60% 8.40 kW	10	5.67	0.76	6.76	0.89	7.85	1.03	8.40	1.10	8.95	1.17	10.0	1.33	11.1	1.49
	12	5.67	0.77	6.76	0.90	7.85	1.04	8.40	1.12	8.95	1.19	10.0	1.35	11.1	1.51
	14	5.67	0.78	6.76	0.92	7.85	1.06	8.40	1.14	8.95	1.22	10.0	1.38	11.1	1.54
	16	5.67	0.79	6.76	0.93	7.85	1.08	8.40	1.16	8.95	1.24	10.0	1.40	11.1	1.57
	18	5.67	0.80	6.76	0.95	7.85	1.10	8.40	1.18	8.95	1.26	10.0	1.43	11.1	1.60
	20	5.67	0.81	6.76	0.96	7.85	1.12	8.40	1.20	8.95	1.28	10.0	1.46	11.1	1.63
	21	5.67	0.82	6.76	0.97	7.85	1.13	8.40	1.21	8.95	1.30	10.0	1.47	11.1	1.65
	23	5.67	0.83	6.76	0.99	7.85	1.15	8.40	1.23	8.95	1.32	10.0	1.53	11.1	1.75
	25	5.67	0.85	6.76	1.00	7.85	1.19	8.40	1.30	8.95	1.40	10.0	1.63	11.1	1.87
	27	5.67	0.88	6.76	1.07	7.85	1.27	8.40	1.38	8.95	1.49	10.0	1.74	11.1	2.00
	29	5.67	0.93	6.76	1.13	7.85	1.35	8.40	1.47	8.95	1.59	10.0	1.85	11.1	2.13
	31	5.67	0.99	6.76	1.20	7.85	1.43	8.40	1.56	8.95	1.69	10.0	1.97	11.1	2.27
	33	5.67	1.04	6.76	1.27	7.85	1.52	8.40	1.66	8.95	1.80	10.0	2.10	11.1	2.42
	35	5.67	1.10	6.76	1.35	7.85	1.62	8.40	1.76	8.95	1.91	10.0	2.23	11.1	2.58
	37	5.67	1.17	6.76	1.43	7.85	1.71	8.40	1.87	8.95	2.03	10.0	2.37	11.1	2.74
	39	5.67	1.23	6.76	1.51	7.85	1.82	8.40	1.98	8.95	2.15	10.0	2.52	11.1	2.92
50% 7.00 kW	10	4.72	0.65	5.63	0.75	6.54	0.86	7.00	0.92	7.46	0.98	8.37	1.09	9.28	1.22
	12	4.72	0.66	5.63	0.76	6.54	0.87	7.00	0.93	7.46	0.99	8.37	1.11	9.28	1.24
	14	4.72	0.67	5.63	0.77	6.54	0.89	7.00	0.95	7.46	1.01	8.37	1.13	9.28	1.26
	16	4.72	0.68	5.63	0.79	6.54	0.90	7.00	0.96	7.46	1.02	8.37	1.15	9.28	1.29
	18	4.72	0.69	5.63	0.80	6.54	0.92	7.00	0.98	7.46	1.04	8.37	1.17	9.28	1.31
	20	4.72	0.70	5.63	0.81	6.54	0.93	7.00	0.99	7.46	1.06	8.37	1.19	9.28	1.33
	21	4.72	0.70	5.63	0.82	6.54	0.94	7.00	1.00	7.46	1.07	8.37	1.21	9.28	1.35
	23	4.72	0.71	5.63	0.83	6.54	0.96	7.00	1.02	7.46	1.09	8.37	1.23	9.28	1.38
	25	4.72	0.72	5.63	0.84	6.54	0.97	7.00	1.04	7.46	1.12	8.37	1.29	9.28	1.47
	27	4.72	0.73	5.63	0.87	6.54	1.03	7.00	1.11	7.46	1.19	8.37	1.37	9.28	1.57
	29	4.72	0.78	5.63	0.93	6.54	1.09	7.00	1.18	7.46	1.27	8.37	1.46	9.28	1.67
	31	4.72	0.82	5.63	0.98	6.54	1.16	7.00	1.25	7.46	1.35	8.37	1.55	9.28	1.77
	33	4.72	0.87	5.63	1.04	6.54	1.22	7.00	1.32	7.46	1.43	8.37	1.65	9.28	1.89
	35	4.72	0.91	5.63	1.10	6.54	1.30	7.00	1.40	7.46	1.51	8.37	1.75	9.28	2.00
	37	4.72	0.96	5.63	1.16	6.54	1.37	7.00	1.49	7.46	1.61	8.37	1.		

4 Capacity tables

4 - 2 Cooling Capacity Tables

RXYSQ6P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

Combination [%] (Capacity index)	Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
		14.0		16.0		18.0		19.0		20.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130% 20.80 kW	10	13.6	2.15	16.2	2.63	18.8	3.12	20.2	3.38	20.4	3.31	20.9	3.17	21.4	3.02
	12	13.6	2.19	16.2	2.68	18.8	3.18	19.9	3.36	20.1	3.29	20.6	3.15	21.1	3.09
	14	13.6	2.23	16.2	2.73	18.8	3.24	19.6	3.34	19.9	3.27	20.4	3.24	20.9	3.27
	16	13.6	2.27	16.2	2.78	18.8	3.31	19.4	3.37	19.6	3.39	20.1	3.42	20.6	3.45
	18	13.6	2.31	16.2	2.84	18.8	3.52	19.1	3.54	19.3	3.56	19.8	3.59	20.3	3.62
	20	13.6	2.36	16.2	3.02	18.6	3.70	18.8	3.71	19.1	3.73	19.6	3.77	20.1	3.80
	21	13.6	2.43	16.2	3.13	18.5	3.78	18.7	3.80	19.0	3.82	19.4	3.86	19.9	3.89
	23	13.6	2.60	16.2	3.35	18.2	3.96	18.4	3.97	18.7	3.99	19.2	4.03	19.7	4.07
	25	13.6	2.78	16.2	3.59	17.9	4.13	18.2	4.15	18.4	4.17	18.9	4.21	19.4	4.25
	27	13.6	2.97	16.2	3.84	17.7	4.30	17.9	4.32	18.2	4.34	18.7	4.39	19.1	4.43
	29	13.6	3.17	16.2	4.11	17.4	4.48	17.7	4.50	17.9	4.52	18.4	4.57	18.9	4.61
	31	13.6	3.38	16.2	4.39	17.2	4.65	17.4	4.67	17.6	4.70	18.1	4.75	18.6	4.79
	33	13.6	3.60	16.2	4.68	16.9	4.83	17.1	4.85	17.4	4.88	17.9	4.93	18.4	4.98
	35	13.6	3.83	16.1	4.95	16.6	5.00	16.9	5.03	17.1	5.06	17.6	5.11	18.1	5.16
	37	13.6	4.08	15.9	5.12	16.4	5.18	16.6	5.21	16.9	5.24	17.3	5.29	17.8	5.35
	39	13.6	4.35	15.6	5.30	16.1	5.36	16.3	5.39	16.6	5.42	17.1	5.48	17.6	5.54
120% 19.20 kW	10	12.6	1.96	15.0	2.39	17.4	2.85	18.6	3.08	19.8	3.31	20.5	3.27	21.0	3.14
	12	12.6	2.00	15.0	2.44	17.4	2.90	18.6	3.14	19.8	3.37	20.3	3.25	20.7	3.11
	14	12.6	2.03	15.0	2.49	17.4	2.96	18.6	3.20	19.6	3.36	20.0	3.23	20.5	3.25
	16	12.6	2.07	15.0	2.53	17.4	3.01	18.6	3.26	19.3	3.37	19.8	3.39	20.2	3.42
	18	12.6	2.11	15.0	2.58	17.4	3.12	18.6	3.45	19.0	3.54	19.5	3.57	19.9	3.60
	20	12.6	2.15	15.0	2.69	17.4	3.35	18.6	3.69	18.8	3.71	19.2	3.74	19.7	3.77
	21	12.6	2.18	15.0	2.78	17.4	3.47	18.4	3.78	18.6	3.80	19.1	3.83	19.6	3.86
	23	12.6	2.32	15.0	2.98	17.4	3.73	18.2	3.95	18.4	3.97	18.8	4.00	19.3	4.04
	25	12.6	2.48	15.0	3.19	17.4	3.99	17.9	4.12	18.1	4.14	18.6	4.18	19.0	4.22
	27	12.6	2.65	15.0	3.41	17.4	4.27	17.6	4.30	17.9	4.32	18.3	4.36	18.8	4.40
	29	12.6	2.83	15.0	3.64	17.1	4.45	17.4	4.47	17.6	4.49	18.0	4.53	18.5	4.58
	31	12.6	3.01	15.0	3.89	16.9	4.62	17.1	4.65	17.3	4.67	17.8	4.71	18.2	4.76
	33	12.6	3.21	15.0	4.15	16.6	4.80	16.8	4.82	17.1	4.84	17.5	4.89	18.0	4.94
	35	12.6	3.42	15.0	4.42	16.4	4.97	16.6	5.00	16.8	5.02	17.3	5.07	17.7	5.12
	37	12.6	3.64	15.0	4.71	16.1	5.15	16.3	5.17	16.5	5.20	17.0	5.25	17.5	5.30
	39	12.6	3.87	15.0	5.02	15.8	5.32	16.1	5.35	16.3	5.38	16.7	5.43	17.2	5.49
110% 17.60 kW	10	11.5	1.78	13.7	2.17	15.9	2.57	17.1	2.78	18.2	2.99	20.2	3.36	20.6	3.25
	12	11.5	1.81	13.7	2.21	15.9	2.62	17.1	2.84	18.2	3.05	19.9	3.35	20.3	3.23
	14	11.5	1.85	13.7	2.25	15.9	2.67	17.1	2.89	18.2	3.11	19.7	3.33	20.1	3.23
	16	11.5	1.88	13.7	2.29	15.9	2.73	17.1	2.95	18.2	3.17	19.4	3.37	19.8	3.40
	18	11.5	1.92	13.7	2.34	15.9	2.78	17.1	3.03	18.2	3.33	19.1	3.55	19.6	3.57
	20	11.5	1.95	13.7	2.39	15.9	2.94	17.1	3.25	18.2	3.58	18.9	3.72	19.3	3.75
	21	11.5	1.97	13.7	2.46	15.9	3.05	17.1	3.37	18.2	3.71	18.8	3.80	19.2	3.83
	23	11.5	2.06	13.7	2.63	15.9	3.27	17.1	3.62	18.1	3.95	18.5	3.98	18.9	4.01
	25	11.5	2.20	13.7	2.81	15.9	3.50	17.1	3.87	17.8	4.12	18.2	4.15	18.6	4.19
	27	11.5	2.35	13.7	3.01	15.9	3.74	17.1	4.14	17.6	4.29	18.0	4.33	18.4	4.36
	29	11.5	2.51	13.7	3.21	15.9	4.00	17.1	4.43	17.3	4.46	17.7	4.50	18.1	4.54
	31	11.5	2.67	13.7	3.42	15.9	4.27	16.8	4.62	17.0	4.64	17.4	4.68	17.9	4.72
	33	11.5	2.84	13.7	3.65	15.9	4.56	16.6	4.79	16.8	4.81	17.2	4.86	17.6	4.90
	35	11.5	3.02	13.7	3.89	15.9	4.86	16.3	4.97	16.5	4.99	16.9	5.03	17.3	5.08
	37	11.5	3.21	13.7	4.14	15.8	5.12	16.0	5.14	16.2	5.16	16.7	5.21	17.1	5.26
	39	11.5	3.42	13.7	4.41	15.6	5.29	15.8	5.32	16.0	5.34	16.4	5.39	16.8	5.44
100% 16.00 kW	10	10.5	1.61	12.5	1.95	14.5	2.31	15.5	2.49	16.5	2.68	18.5	3.06	20.2	3.36
	12	10.5	1.63	12.5	1.98	14.5	2.35	15.5	2.54	16.5	2.73	18.5	3.12	20.0	3.34
	14	10.5	1.66	12.5	2.02	14.5	2.39	15.5	2.59	16.5	2.78	18.5	3.18	19.7	3.32
	16	10.5	1.69	12.5	2.06	14.5	2.44	15.5	2.64	16.5	2.84	18.5	3.24	19.4	3.38
	18	10.5	1.72	12.5	2.10	14.5	2.49	15.5	2.69	16.5	2.89	18.5	3.43	19.2	3.55
	20	10.5	1.76	12.5	2.14	14.5	2.56	15.5	2.83	16.5	3.10	18.5	3.69	18.9	3.72
	21	10.5	1.77	12.5	2.16	14.5	2.66	15.5	2.93	16.5	3.21	18.4	3.78	18.8	3.81
	23	10.5	1.82	12.5	2.30	14.5	2.84	15.5	3.14	16.5	3.44	18.1	3.95	18.5	3.98
	25	10.5	1.94	12.5	2.46	14.5	3.04	15.5	3.36	16.5	3.69	17.9	4.12	18.3	4.15
	27	10.5	2.07	12.5	2.63	14.5	3.25	15.5	3.59	16.5	3.95	17.6	4.30	18.0	4.33
	29	10.5	2.21	12.5	2.80	14.5	3.47	15.5	3.84	16.5	4.22	17.4	4.47	17.7	4.51
	31	10.5	2.35	12.5	2.99	14.5	3.71	15.5	4.10	16.5	4.50	17.1	4.64	17.5	4.68
	33	10.5	2.50	12.5	3.18	14.5	3.95	15.5	4.37	16.5	4.78	16.8	4.82	17.2	4.86
	35	10.5	2.65	12.5	3.39	14.5	4.21	15.5	4.66	16.2	4.95	16.6	5.00	16.9	5.04
	37	10.5	2.82	12.5	3.60	14.5	4.49	15.5	4.97	15.9	5.13	16.3	5.17	16.7	5.22
	39	10.5	2.99	12.5	3.83	14.5	4.78	15.5	5.28	15.7	5.30	16.0	5.35	16.4	5.40

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
 Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
 Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
 De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
 Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

Capacity tables

4 - 2 Cooling Capacity Tables

RXYSQ6P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

Combination [%] (Capacity index)		Outdoor air temp. °CDB	Indoor air temp. [°CWB]													
			14.0		16.0		18.0		19.0		20.0		22.0		24.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90% 14.40 kW	10	9.41	1.44	11.2	1.73	13.0	2.05	14.0	2.21	14.9	2.37	16.7	2.71	18.5	3.06	
	12	9.41	1.46	11.2	1.76	13.0	2.08	14.0	2.25	14.9	2.42	16.7	2.76	18.5	3.11	
	14	9.41	1.49	11.2	1.80	13.0	2.12	14.0	2.29	14.9	2.46	16.7	2.82	18.5	3.17	
	16	9.41	1.51	11.2	1.83	13.0	2.16	14.0	2.34	14.9	2.51	16.7	2.87	18.5	3.24	
	18	9.41	1.54	11.2	1.86	13.0	2.21	14.0	2.38	14.9	2.56	16.7	2.93	18.5	3.42	
	20	9.41	1.57	11.2	1.90	13.0	2.25	14.0	2.43	14.9	2.66	16.7	3.15	18.5	3.68	
	21	9.41	1.58	11.2	1.92	13.0	2.29	14.0	2.52	14.9	2.75	16.7	3.26	18.4	3.78	
	23	9.41	1.61	11.2	2.00	13.0	2.45	14.0	2.69	14.9	2.95	16.7	3.50	18.1	3.95	
	25	9.41	1.70	11.2	2.13	13.0	2.62	14.0	2.88	14.9	3.16	16.7	3.74	17.9	4.12	
	27	9.41	1.81	11.2	2.28	13.0	2.80	14.0	3.08	14.9	3.37	16.7	4.01	17.6	4.30	
	29	9.41	1.92	11.2	2.42	13.0	2.98	14.0	3.29	14.9	3.60	16.7	4.28	17.3	4.47	
	31	9.41	2.05	11.2	2.58	13.0	3.18	14.0	3.50	14.9	3.84	16.7	4.57	17.1	4.64	
	33	9.41	2.17	11.2	2.75	13.0	3.39	14.0	3.74	14.9	4.10	16.5	4.78	16.8	4.82	
	35	9.41	2.31	11.2	2.92	13.0	3.61	14.0	3.98	14.9	4.37	16.2	4.96	16.6	5.00	
	37	9.41	2.45	11.2	3.11	13.0	3.84	14.0	4.24	14.9	4.66	16.0	5.13	16.3	5.17	
	39	9.41	2.60	11.2	3.30	13.0	4.09	14.0	4.52	14.9	4.96	15.7	5.31	16.0	5.35	
80% 12.80 kW	10	8.37	1.28	10.0	1.53	11.6	1.80	12.4	1.93	13.2	2.08	14.8	2.37	16.4	2.67	
	12	8.37	1.30	10.0	1.55	11.6	1.83	12.4	1.97	13.2	2.11	14.8	2.41	16.4	2.72	
	14	8.37	1.32	10.0	1.58	11.6	1.86	12.4	2.01	13.2	2.15	14.8	2.46	16.4	2.77	
	16	8.37	1.34	10.0	1.61	11.6	1.90	12.4	2.04	13.2	2.19	14.8	2.50	16.4	2.82	
	18	8.37	1.36	10.0	1.64	11.6	1.93	12.4	2.08	13.2	2.24	14.8	2.55	16.4	2.88	
	20	8.37	1.39	10.0	1.67	11.6	1.97	12.4	2.12	13.2	2.28	14.8	2.65	16.4	3.08	
	21	8.37	1.40	10.0	1.69	11.6	1.99	12.4	2.15	13.2	2.33	14.8	2.74	16.4	3.19	
	23	8.37	1.43	10.0	1.72	11.6	2.09	12.4	2.28	13.2	2.49	14.8	2.94	16.4	3.42	
	25	8.37	1.47	10.0	1.83	11.6	2.23	12.4	2.44	13.2	2.66	14.8	3.14	16.4	3.66	
	27	8.37	1.57	10.0	1.95	11.6	2.38	12.4	2.61	13.2	2.85	14.8	3.36	16.4	3.92	
	29	8.37	1.66	10.0	2.07	11.6	2.53	12.4	2.78	13.2	3.04	14.8	3.59	16.4	4.19	
	31	8.37	1.77	10.0	2.21	11.6	2.70	12.4	2.96	13.2	3.24	14.8	3.83	16.4	4.47	
	33	8.37	1.87	10.0	2.35	11.6	2.87	12.4	3.15	13.2	3.45	14.8	4.09	16.4	4.77	
	35	8.37	1.99	10.0	2.49	11.6	3.05	12.4	3.36	13.2	3.67	14.8	4.35	16.2	4.95	
	37	8.37	2.11	10.0	2.65	11.6	3.25	12.4	3.57	13.2	3.91	14.8	4.64	15.9	5.13	
	39	8.37	2.23	10.0	2.81	11.6	3.45	12.4	3.80	13.2	4.16	14.8	4.94	15.7	5.30	
70% 11.20 kW	10	7.32	1.12	8.73	1.33	10.1	1.55	10.9	1.67	11.6	1.79	13.0	2.03	14.4	2.29	
	12	7.32	1.14	8.73	1.35	10.1	1.58	10.9	1.70	11.6	1.82	13.0	2.07	14.4	2.33	
	14	7.32	1.16	8.73	1.38	10.1	1.61	10.9	1.73	11.6	1.85	13.0	2.11	14.4	2.37	
	16	7.32	1.18	8.73	1.40	10.1	1.64	10.9	1.76	11.6	1.89	13.0	2.15	14.4	2.42	
	18	7.32	1.19	8.73	1.42	10.1	1.67	10.9	1.79	11.6	1.92	13.0	2.19	14.4	2.47	
	20	7.32	1.21	8.73	1.45	10.1	1.70	10.9	1.83	11.6	1.96	13.0	2.23	14.4	2.54	
	21	7.32	1.23	8.73	1.46	10.1	1.72	10.9	1.85	11.6	1.98	13.0	2.27	14.4	2.63	
	23	7.32	1.25	8.73	1.49	10.1	1.75	10.9	1.91	11.6	2.08	13.0	2.43	14.4	2.81	
	25	7.32	1.27	8.73	1.55	10.1	1.87	10.9	2.04	11.6	2.22	13.0	2.60	14.4	3.01	
	27	7.32	1.34	8.73	1.65	10.1	1.99	10.9	2.17	11.6	2.36	13.0	2.77	14.4	3.22	
	29	7.32	1.42	8.73	1.75	10.1	2.12	10.9	2.32	11.6	2.52	13.0	2.96	14.4	3.43	
	31	7.32	1.51	8.73	1.86	10.1	2.25	10.9	2.46	11.6	2.68	13.0	3.15	14.4	3.66	
	33	7.32	1.60	8.73	1.98	10.1	2.40	10.9	2.62	11.6	2.86	13.0	3.36	14.4	3.91	
	35	7.32	1.69	8.73	2.10	10.1	2.55	10.9	2.79	11.6	3.04	13.0	3.58	14.4	4.16	
	37	7.32	1.79	8.73	2.22	10.1	2.70	10.9	2.96	11.6	3.23	13.0	3.81	14.4	4.44	
	39	7.32	1.90	8.73	2.36	10.1	2.87	10.9	3.15	11.6	3.44	13.0	4.05	14.4	4.72	
60% 9.60 kW	10	6.28	0.98	7.49	1.15	8.70	1.33	9.30	1.42	9.90	1.52	11.1	1.71	12.3	1.92	
	12	6.28	0.99	7.49	1.16	8.70	1.35	9.30	1.44	9.90	1.54	11.1	1.74	12.3	1.96	
	14	6.28	1.00	7.49	1.18	8.70	1.37	9.30	1.47	9.90	1.57	11.1	1.78	12.3	1.99	
	16	6.28	1.02	7.49	1.20	8.70	1.39	9.30	1.49	9.90	1.60	11.1	1.81	12.3	2.03	
	18	6.28	1.03	7.49	1.22	8.70	1.42	9.30	1.52	9.90	1.63	11.1	1.84	12.3	2.07	
	20	6.28	1.05	7.49	1.24	8.70	1.44	9.30	1.55	9.90	1.66	11.1	1.88	12.3	2.11	
	21	6.28	1.06	7.49	1.25	8.70	1.46	9.30	1.56	9.90	1.67	11.1	1.90	12.3	2.13	
	23	6.28	1.08	7.49	1.27	8.70	1.48	9.30	1.59	9.90	1.70	11.1	1.97	12.3	2.26	
	25	6.28	1.09	7.49	1.30	8.70	1.54	9.30	1.67	9.90	1.81	11.1	2.10	12.3	2.42	
	27	6.28	1.13	7.49	1.37	8.70	1.64	9.30	1.78	9.90	1.93	11.1	2.24	12.3	2.58	
	29	6.28	1.20	7.49	1.46	8.70	1.74	9.30	1.90	9.90	2.05	11.1	2.39	12.3	2.75	
	31	6.28	1.27	7.49	1.55	8.70	1.85	9.30	2.01	9.90	2.18	11.1	2.55	12.3	2.94	
	33	6.28	1.35	7.49	1.64	8.70	1.97	9.30	2.14	9.90	2.32	11.1	2.71	12.3	3.13	
	35	6.28	1.42	7.49	1.74	8.70	2.09	9.30	2.27	9.90	2.47	11.1	2.88	12.3	3.33	
	37	6.28	1.50	7.49	1.84	8.70	2.21	9.30	2.41	9.90	2.62	11.1	3.06	12.3	3.54	
	39	6.28	1.59	7.49	1.95	8.70	2.34	9.30	2.56	9.90	2.78	11.1	3.25	12.3	3.77	
50% 8.00 kW	10	5.23	0.84	6.24	0.97	7.25	1.11	7.75	1.18	8.25	1.26	9.26	1.41	10.3	1.57	
	12	5.23	0.85	6.24	0.98	7.25	1.13	7.75	1.20	8.25	1.28	9.26	1.44	10.3	1.60	
	14	5.23	0.86	6.24	1.00	7.25	1.15	7.75	1.22	8.25	1.30	9.26	1.46	10.3	1.63	
	16	5.23	0.87	6.24	1.01	7.25	1.16	7.75	1.24	8.25	1.32	9.26	1.49	10.3	1.66	
	18	5.23	0.88	6.24	1.03	7.25	1.18	7.75	1.26	8.25	1.34	9.26	1.51	10.3	1.69	
	20	5.23	0.90	6.24	1.05	7.25	1.20	7.75	1.28	8.25	1.37	9.26	1.54	10.3	1.72	
	21	5.23	0.90	6.24	1.05	7.25	1.21	7.75	1.30	8.25	1.38	9.26	1.56	10.3	1.74	
	23	5.23	0.92	6.24	1.07	7.25	1.23	7.75	1.32	8.25	1.41	9.26	1.59	10.3	1.78	
	25	5.23	0.93	6.24	1.09	7.25	1.26	7.75	1.35	8.25	1.45	9.26	1.67	10.3	1.90	
	27	5.23	0.95	6.24	1.13	7.25	1.33	7.75	1.43	8.25	1.54	9.26	1.77	10.3	2.02	
	29	5.23	1.00	6.24	1.19	7.25	1.41	7.75	1.52	8.25	1.64	9.26	1.89	10.3	2.15	
	31	5.23	1.06	6.24	1.26	7.25	1.49	7.75	1.61	8.25	1.74	9.26	2.00	10.3	2.29	
	33	5.23	1.12	6.24	1.34	7.25	1.58	7.75	1.71	8.25	1.84	9.26	2.13	10.3		

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ4P8Y1

Total capacity (kW)
Power Input (kW) (Compressor + outdoor fan motor)

Combination (%) (Capacity index)	Outdoor air temperature		Indoor air temp (°CWB)											
			16.0		18.0		19.0		20.0		22.0		24.0	
	°CDB	°CWB	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI	kW	PI
110% 15.62 kW	-19.8	-20	11.5	4.23	11.5	4.36	11.4	4.49	11.4	4.56	11.4	4.63	11.4	4.76
	-18.8	-19	11.8	4.31	11.8	4.43	11.8	4.56	11.8	4.62	11.7	4.69	11.7	4.81
	-16.7	-17	12.5	4.44	12.5	4.56	12.5	4.68	12.5	4.74	12.4	4.80	12.4	4.91
	-14.7	-15	13.2	4.56	13.2	4.67	13.2	4.78	13.1	4.84	13.1	4.89	13.1	5.01
	-12.6	-13	13.9	4.66	13.9	4.77	13.9	4.88	13.8	4.93	13.8	4.98	13.6	4.98
	-10.5	-11	14.6	4.76	14.6	4.86	14.6	4.96	14.5	5.01	14.5	5.06	13.6	4.67
	-9.5	-10	15.0	4.80	14.9	4.90	14.9	5.00	14.9	5.05	14.6	4.96	13.6	4.52
	-8.5	-9.1	15.3	4.84	15.2	4.94	15.2	5.04	15.1	5.04	14.6	4.83	13.6	4.40
	-7.0	-7.6	15.8	4.90	15.8	5.00	15.6	5.03	15.1	4.82	14.6	4.62	13.6	4.22
	-5.0	-5.6	16.5	4.98	16.5	5.07	15.6	4.75	15.1	4.56	14.6	4.37	13.6	3.99
	-3.0	-3.7	17.1	5.04	16.6	4.89	15.6	4.52	15.1	4.33	14.6	4.15	13.6	3.80
	0.0	-0.7	17.6	4.89	16.6	4.53	15.6	4.19	15.1	4.02	14.6	3.85	13.6	3.53
	3.0	2.2	17.6	4.56	16.6	4.23	15.6	3.91	15.1	3.76	14.6	3.60	13.6	3.31
	5.0	4.1	17.6	4.36	16.6	4.05	15.6	3.75	15.1	3.60	14.6	3.46	13.6	3.17
	7.0	6	17.6	4.18	16.6	3.89	15.6	3.60	15.1	3.46	14.6	3.32	13.6	3.05
100% 14.20 kW	9.0	7.9	17.6	4.02	16.6	3.74	15.6	3.46	15.1	3.33	14.6	3.20	13.6	2.94
	11.0	9.8	17.6	3.87	16.6	3.60	15.6	3.34	15.1	3.21	14.6	3.08	13.6	2.84
	13.0	11.8	17.6	3.72	16.6	3.47	15.6	3.22	15.1	3.09	14.6	2.97	13.6	2.74
	15.0	13.7	17.6	3.59	16.6	3.35	15.6	3.11	15.1	2.99	14.6	2.87	13.6	2.65
	-19.8	-20	11.4	4.44	11.4	4.56	11.4	4.68	11.4	4.74	11.4	4.80	11.3	4.92
	-18.8	-19	11.8	4.51	11.8	4.62	11.7	4.74	11.7	4.80	11.7	4.85	11.7	4.97
	-16.7	-17	12.5	4.63	12.5	4.74	12.4	4.84	12.4	4.90	12.4	4.95	12.4	5.06
	-14.7	-15	13.2	4.74	13.1	4.84	13.1	4.94	13.1	4.99	13.1	5.04	12.4	4.71
	-12.6	-13	13.9	4.83	13.8	4.93	13.8	5.03	13.7	5.04	13.3	4.82	12.4	4.40
	-10.5	-11	14.6	4.92	14.5	5.01	14.2	4.93	13.7	4.72	13.3	4.52	12.4	4.13
	-9.5	-10	14.9	4.96	14.9	5.05	14.2	4.78	13.7	4.58	13.3	4.39	12.4	4.01
	-8.5	-9.1	15.2	5.00	15.1	5.04	14.2	4.65	13.7	4.46	13.3	4.27	12.4	3.91
	-7.0	-7.6	15.7	5.05	15.1	4.82	14.2	4.45	13.7	4.27	13.3	4.09	12.4	3.74
	-5.0	-5.6	16.0	4.91	15.1	4.56	14.2	4.21	13.7	4.04	13.3	3.87	12.4	3.55
	-3.0	-3.7	16.0	4.67	15.1	4.33	14.2	4.00	13.7	3.85	13.3	3.69	12.4	3.38
90% 12.78 kW	0.0	-0.7	16.0	4.33	15.1	4.02	14.2	3.72	13.7	3.57	13.3	3.43	12.4	3.15
	3.0	2.2	16.0	4.04	15.1	3.76	14.2	3.48	13.7	3.34	13.3	3.21	12.4	2.95
	5.0	4.1	16.0	3.87	15.1	3.60	14.2	3.34	13.7	3.21	13.3	3.08	12.4	2.84
	7.0	6	16.0	3.72	15.1	3.46	14.2	3.21	13.7	3.09	13.3	2.97	12.4	2.73
	9.0	7.9	16.0	3.57	15.1	3.33	14.2	3.09	13.7	2.97	13.3	2.86	12.4	2.63
	11.0	9.8	16.0	3.44	15.1	3.21	14.2	2.98	13.7	2.87	13.3	2.76	12.4	2.54
	13.0	11.8	16.0	3.32	15.1	3.09	14.2	2.87	13.7	2.77	13.3	2.66	12.4	2.45
	15.0	13.7	16.0	3.20	15.1	2.99	14.2	2.78	13.7	2.68	13.3	2.57	12.4	2.38
	-19.8	-20	11.4	4.65	11.4	4.76	11.3	4.86	11.3	4.92	11.3	4.97	11.1	4.96
	-18.8	-19	11.7	4.71	11.7	4.81	11.7	4.92	11.7	4.97	11.7	5.02	11.1	4.76
	-16.7	-17	12.4	4.82	12.4	4.92	12.4	5.01	12.4	5.06	12.0	4.84	11.1	4.42
	-14.7	-15	13.1	4.92	13.1	5.01	12.8	4.91	12.4	4.71	12.0	4.51	11.1	4.12
	-12.6	-13	13.8	5.00	13.6	4.97	12.8	4.59	12.4	4.40	12.0	4.22	11.1	3.86
	-10.5	-11	14.4	5.03	13.6	4.66	12.8	4.30	12.4	4.13	12.0	3.96	11.1	3.63
	-9.5	-10	14.4	4.87	13.6	4.52	12.8	4.18	12.4	4.01	12.0	3.84	11.1	3.52
80% 11.36 kW	-8.5	-9.1	14.4	4.74	13.6	4.40	12.8	4.07	12.4	3.90	12.0	3.74	11.1	3.43
	-7.0	-7.6	14.4	4.54	13.6	4.21	12.8	3.90	12.4	3.74	12.0	3.59	11.1	3.29
	-5.0	-5.6	14.4	4.29	13.6	3.99	12.8	3.69	12.4	3.55	12.0	3.40	11.1	3.13
	-3.0	-3.7	14.4	4.08	13.6	3.80	12.8	3.52	12.4	3.38	12.0	3.25	11.1	2.98
	0.0	-0.7	14.4	3.79	13.6	3.53	12.8	3.27	12.4	3.15	12.0	3.02	11.1	2.78
	3.0	2.2	14.4	3.55	13.6	3.30	12.8	3.07	12.4	2.95	12.0	2.84	11.1	2.61
	5.0	4.1	14.4	3.40	13.6	3.17	12.8	2.95	12.4	2.84	12.0	2.73	11.1	2.51
	7.0	6	14.4	3.27	13.6	3.05	12.8	2.83	12.4	2.73	12.0	2.63	11.1	2.42
	9.0	7.9	14.4	3.15	13.6	2.94	12.8	2.73	12.4	2.63	12.0	2.53	11.1	2.34
	11.0	9.8	14.4	3.04	13.6	2.83	12.8	2.64	12.4	2.54	12.0	2.45	11.1	2.26
	13.0	11.8	14.4	2.93	13.6	2.73	12.8	2.54	12.4	2.45	12.0	2.36	11.1	2.18
	15.0	13.7	14.4	2.83	13.6	2.64	12.8	2.46	12.4	2.37	12.0	2.29	11.1	2.12
	-19.8	-20	11.4	4.86	11.3	4.95	11.3	5.05	11.0	4.87	10.6	4.67	9.90	4.26
	-18.8	-19	11.7	4.91	11.7	5.00	11.4	4.89	11.0	4.68	10.6	4.49	9.90	4.10
	-16.7	-17	12.4	5.01	12.1	4.91	11.4	4.53	11.0	4.34	10.6	4.16	9.90	3.81

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - примечания

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

Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.

Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.

La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.

Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.

La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.

De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.

Таблица расположенная выше показывает среднее значение условий, которые могут наступить.

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ4P8Y1

Total capacity (kW)														
Power Input (kW) (Compressor + outdoor fan motor)														
Combination (%) (Capacity index)	Outdoor air temperature		Indoor air temp (°CWB)											
			16.0		18.0		19.0		20.0		22.0		24.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70% 9.94 kW	-19.8	-20	11.2	5.00	10.6	4.64	9.94	4.28	9.62	4.11	9.30	3.94	8.66	3.61
	-18.8	-19	11.2	4.81	10.6	4.46	9.94	4.12	9.62	3.95	9.30	3.79	8.66	3.47
	-16.7	-17	11.2	4.46	10.6	4.14	9.94	3.83	9.62	3.68	9.30	3.53	8.66	3.24
	-14.7	-15	11.2	4.15	10.6	3.86	9.94	3.58	9.62	3.44	9.30	3.30	8.66	3.03
	-12.6	-13	11.2	3.89	10.6	3.62	9.94	3.35	9.62	3.23	9.30	3.10	8.66	2.85
	-10.5	-11	11.2	3.66	10.6	3.41	9.94	3.16	9.62	3.04	9.30	2.92	8.66	2.69
	-9.5	-10	11.2	3.55	10.6	3.31	9.94	3.07	9.62	2.96	9.30	2.84	8.66	2.62
	-8.5	-9.1	11.2	3.46	10.6	3.23	9.94	3.00	9.62	2.88	9.30	2.77	8.66	2.55
	-7.0	-7.6	11.2	3.32	10.6	3.10	9.94	2.88	9.62	2.77	9.30	2.66	8.66	2.46
	-5.0	-5.6	11.2	3.15	10.6	2.94	9.94	2.74	9.62	2.63	9.30	2.54	8.66	2.34
	-3.0	-3.7	11.2	3.01	10.6	2.81	9.94	2.61	9.62	2.52	9.30	2.42	8.66	2.24
	0.0	-0.7	11.2	2.80	10.6	2.62	9.94	2.44	9.62	2.35	9.30	2.27	8.66	2.10
	3.0	2.2	11.2	2.63	10.6	2.46	9.94	2.30	9.62	2.22	9.30	2.14	8.66	1.98
	5.0	4.1	11.2	2.53	10.6	2.37	9.94	2.21	9.62	2.14	9.30	2.06	8.66	1.91
	7.0	6	11.2	2.44	10.6	2.29	9.94	2.14	9.62	2.06	9.30	1.99	8.66	1.84
	9.0	7.9	11.2	2.36	10.6	2.21	9.94	2.06	9.62	1.99	9.30	1.92	8.66	1.78
	11.0	9.8	11.2	2.28	10.6	2.14	9.94	2.00	9.62	1.93	9.30	1.86	8.66	1.73
	13.0	11.8	11.2	2.20	10.6	2.06	9.94	1.93	9.62	1.86	9.30	1.80	8.66	1.67
	15.0	13.7	11.2	2.13	10.6	2.00	9.94	1.87	9.62	1.81	9.30	1.75	8.66	1.62
60% 8.52 kW	-19.8	-20	9.61	4.11	9.07	3.82	8.52	3.54	8.25	3.40	7.97	3.26	7.43	3.00
	-18.8	-19	9.61	3.95	9.07	3.67	8.52	3.41	8.25	3.27	7.97	3.14	7.43	2.89
	-16.7	-17	9.61	3.67	9.07	3.42	8.52	3.17	8.25	3.05	7.97	2.93	7.43	2.70
	-14.7	-15	9.61	3.43	9.07	3.20	8.52	2.97	8.25	2.86	7.97	2.75	7.43	2.53
	-12.6	-13	9.61	3.22	9.07	3.01	8.52	2.79	8.25	2.69	7.97	2.59	7.43	2.39
	-10.5	-11	9.61	3.04	9.07	2.84	8.52	2.64	8.25	2.54	7.97	2.45	7.43	2.26
	-9.5	-10	9.61	2.95	9.07	2.76	8.52	2.57	8.25	2.47	7.97	2.38	7.43	2.20
	-8.5	-9.1	9.61	2.88	9.07	2.69	8.52	2.51	8.25	2.42	7.97	2.33	7.43	2.15
	-7.0	-7.6	9.61	2.77	9.07	2.59	8.52	2.41	8.25	2.33	7.97	2.24	7.43	2.07
	-5.0	-5.6	9.61	2.63	9.07	2.46	8.52	2.30	8.25	2.22	7.97	2.14	7.43	1.98
	-3.0	-3.7	9.61	2.52	9.07	2.36	8.52	2.20	8.25	2.12	7.97	2.04	7.43	1.90
	0.0	-0.7	9.61	2.35	9.07	2.20	8.52	2.06	8.25	1.99	7.97	1.92	7.43	1.78
	3.0	2.2	9.61	2.22	9.07	2.08	8.52	1.94	8.25	1.88	7.97	1.81	7.43	1.68
	5.0	4.1	9.61	2.13	9.07	2.00	8.52	1.87	8.25	1.81	7.97	1.75	7.43	1.63
	7.0	6	9.61	2.06	9.07	1.93	8.52	1.81	8.25	1.75	7.97	1.69	7.43	1.57
	9.0	7.9	9.61	1.99	9.07	1.87	8.52	1.75	8.25	1.69	7.97	1.64	7.43	1.52
	11.0	9.8	9.61	1.93	9.07	1.81	8.52	1.70	8.25	1.64	7.97	1.59	7.43	1.48
	13.0	11.8	9.61	1.86	9.07	1.75	8.52	1.64	8.25	1.59	7.97	1.54	7.43	1.43
	15.0	13.7	9.61	1.81	9.07	1.70	8.52	1.60	8.25	1.55	7.97	1.49	7.43	1.39
50% 7.10 kW	-19.8	-20	8.01	3.28	7.56	3.06	7.10	2.84	6.87	2.74	6.64	2.63	6.19	2.43
	-18.8	-19	8.01	3.16	7.56	2.95	7.10	2.74	6.87	2.64	6.64	2.54	6.19	2.35
	-16.7	-17	8.01	2.95	7.56	2.76	7.10	2.56	6.87	2.47	6.64	2.38	6.19	2.20
	-14.7	-15	8.01	2.77	7.56	2.58	7.10	2.41	6.87	2.32	6.64	2.24	6.19	2.07
	-12.6	-13	8.01	2.60	7.56	2.44	7.10	2.27	6.87	2.19	6.64	2.11	6.19	1.96
	-10.5	-11	8.01	2.46	7.56	2.30	7.10	2.15	6.87	2.08	6.64	2.00	6.19	1.86
	-9.5	-10	8.01	2.39	7.56	2.24	7.10	2.10	6.87	2.02	6.64	1.95	6.19	1.81
	-8.5	-9.1	8.01	2.34	7.56	2.19	7.10	2.05	6.87	1.98	6.64	1.91	6.19	1.77
	-7.0	-7.6	8.01	2.25	7.56	2.11	7.10	1.97	6.87	1.91	6.64	1.84	6.19	1.71
	-5.0	-5.6	8.01	2.15	7.56	2.01	7.10	1.88	6.87	1.82	6.64	1.76	6.19	1.63
	-3.0	-3.7	8.01	2.06	7.56	1.93	7.10	1.81	6.87	1.75	6.64	1.69	6.19	1.57
	0.0	-0.7	8.01	1.93	7.56	1.81	7.10	1.70	6.87	1.64	6.64	1.59	6.19	1.48
	3.0	2.2	8.01	1.82	7.56	1.71	7.10	1.61	6.87	1.56	6.64	1.50	6.19	1.40
	5.0	4.1	8.01	1.76	7.56	1.66	7.10	1.55	6.87	1.50	6.64	1.45	6.19	1.36
	7.0	6	8.01	1.70	7.56	1.60	7.10	1.50	6.87	1.46	6.64	1.41	6.19	1.32
	9.0	7.9	8.01	1.65	7.56	1.55	7.10	1.46	6.87	1.41	6.64	1.37	6.19	1.28
	11.0	9.8	8.01	1.59	7.56	1.50	7.10	1.41	6.87	1.37	6.64	1.33	6.19	1.24
	13.0	11.8	8.01	1.55	7.56	1.46	7.10	1.37	6.87	1.33	6.64	1.29	6.19	1.21
	15.0	13.7	8.01	1.50	7.56	1.42	7.10	1.34	6.87	1.29	6.64	1.25	6.19	1.17

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Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.

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Таблица расположенная выше показывает среднее значение условий, которые могут наступить.

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ5P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

Combination [%] (Capacity index)	Outdoor air temp.		Indoor air temp. [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130% 20.80 kW	-19.8	-20.0	11.1	3.19	11.0	3.38	11.0	3.57	11.0	3.67	11.0	3.76	10.9	3.96
	-18.8	-19.0	11.4	3.30	11.4	3.48	11.3	3.67	11.3	3.76	11.3	3.85	11.3	4.04
	-16.7	-17.0	12.1	3.49	12.0	3.66	12.0	3.83	12.0	3.92	11.9	4.01	11.9	4.18
	-14.7	-15.0	12.7	3.66	12.7	3.82	12.6	3.99	12.6	4.07	12.6	4.15	12.6	4.32
	-12.6	-13.0	13.4	3.81	13.3	3.97	13.3	4.12	13.3	4.20	13.3	4.28	13.2	4.44
	-10.5	-11.0	14.0	3.95	14.0	4.10	14.0	4.25	13.9	4.32	13.9	4.39	13.9	4.54
	-9.5	-10.0	14.4	4.01	14.3	4.16	14.3	4.30	14.3	4.38	14.3	4.45	14.2	4.59
	-8.5	-9.1	14.7	4.07	14.6	4.21	14.6	4.35	14.6	4.42	14.5	4.50	14.5	4.64
	-7.0	-7.6	15.2	4.15	15.1	4.29	15.1	4.43	15.1	4.50	15.0	4.57	15.0	4.71
	-5.0	-5.6	15.8	4.26	15.8	4.40	15.7	4.53	15.7	4.59	15.7	4.66	15.7	4.79
	-3.0	-3.7	16.4	4.36	16.4	4.49	16.4	4.61	16.3	4.68	16.3	4.74	16.3	4.87
	0.0	-0.7	17.4	4.49	17.4	4.61	17.3	4.73	17.3	4.79	17.3	4.85	17.3	4.97
	3.0	2.2	18.4	4.61	18.3	4.73	18.3	4.84	18.3	4.90	18.3	4.95	18.1	5.02
	5.0	4.1	19.0	4.68	19.0	4.79	18.9	4.90	18.9	4.96	18.9	5.01	18.1	4.81
	7.0	6.0	19.6	4.75	19.6	4.86	19.6	4.96	19.5	5.02	19.5	5.05	18.1	4.62
	9.0	7.9	20.3	4.81	20.2	4.92	20.2	5.02	20.1	5.06	19.5	4.85	18.1	4.44
	11.0	9.8	20.9	4.87	20.8	4.97	20.8	5.07	20.1	4.87	19.5	4.67	18.1	4.28
	13.0	11.8	21.5	4.93	21.5	5.03	20.8	4.87	20.1	4.68	19.5	4.49	18.1	4.12
	15.0	13.7	22.2	4.98	22.1	5.08	20.8	4.70	20.1	4.52	19.5	4.34	18.1	3.98
120% 19.20 kW	-19.8	-20.0	11.0	3.45	11.0	3.63	11.0	3.80	10.9	3.89	10.9	3.98	10.9	4.15
	-18.8	-19.0	11.3	3.55	11.3	3.72	11.3	3.89	11.3	3.97	11.2	4.06	11.2	4.23
	-16.7	-17.0	12.0	3.72	12.0	3.88	11.9	4.04	11.9	4.12	11.9	4.20	11.9	4.37
	-14.7	-15.0	12.7	3.88	12.6	4.03	12.6	4.18	12.6	4.26	12.6	4.34	12.5	4.49
	-12.6	-13.0	13.3	4.02	13.3	4.17	13.3	4.31	13.2	4.38	13.2	4.45	13.2	4.60
	-10.5	-11.0	14.0	4.15	13.9	4.29	13.9	4.42	13.9	4.49	13.9	4.56	13.8	4.70
	-9.5	-10.0	14.3	4.21	14.3	4.34	14.2	4.48	14.2	4.54	14.2	4.61	14.2	4.75
	-8.5	-9.1	14.6	4.26	14.6	4.39	14.5	4.52	14.5	4.59	14.5	4.65	14.5	4.79
	-7.0	-7.6	15.1	4.34	15.1	4.47	15.0	4.60	15.0	4.66	15.0	4.72	15.0	4.85
	-5.0	-5.6	15.8	4.44	15.7	4.56	15.7	4.69	15.7	4.75	15.7	4.81	15.6	4.93
	-3.0	-3.7	16.4	4.53	16.4	4.65	16.3	4.76	16.3	4.82	16.3	4.88	16.3	5.00
	0.0	-0.7	17.4	4.66	17.3	4.77	17.3	4.88	17.3	4.93	17.3	4.99	16.7	4.86
	3.0	2.2	18.3	4.77	18.3	4.87	18.3	4.97	18.2	5.03	18.0	4.96	16.7	4.55
	5.0	4.1	19.0	4.83	18.9	4.93	18.9	5.03	18.6	4.96	18.0	4.76	16.7	4.36
	7.0	6.0	19.6	4.89	19.5	4.99	19.2	4.96	18.6	4.76	18.0	4.57	16.7	4.19
	9.0	7.9	20.2	4.95	20.2	5.05	19.2	4.77	18.6	4.58	18.0	4.39	16.7	4.03
	11.0	9.8	20.8	5.01	20.4	4.96	19.2	4.59	18.6	4.41	18.0	4.23	16.7	3.89
	13.0	11.8	21.5	5.06	20.4	4.77	19.2	4.42	18.6	4.25	18.0	4.08	16.7	3.74
	15.0	13.7	21.7	4.95	20.4	4.60	19.2	4.26	18.6	4.10	18.0	3.94	16.7	3.62
110% 17.60 kW	-19.8	-20.0	11.0	3.71	10.9	3.87	10.9	4.03	10.9	4.11	10.9	4.19	10.8	4.35
	-18.8	-19.0	11.3	3.80	11.3	3.95	11.2	4.11	11.2	4.19	11.2	4.27	11.2	4.42
	-16.7	-17.0	12.0	3.96	11.9	4.11	11.9	4.25	11.9	4.33	11.9	4.40	11.8	4.55
	-14.7	-15.0	12.6	4.10	12.6	4.24	12.6	4.38	12.5	4.45	12.5	4.52	12.5	4.66
	-12.6	-13.0	13.3	4.23	13.2	4.36	13.2	4.50	13.2	4.56	13.2	4.63	13.2	4.76
	-10.5	-11.0	13.9	4.35	13.9	4.48	13.9	4.60	13.9	4.67	13.8	4.73	13.8	4.86
	-9.5	-10.0	14.3	4.41	14.2	4.53	14.2	4.65	14.2	4.71	14.2	4.77	14.1	4.90
	-8.5	-9.1	14.6	4.45	14.5	4.57	14.5	4.69	14.5	4.75	14.5	4.81	14.4	4.94
	-7.0	-7.6	15.1	4.53	15.0	4.64	15.0	4.76	15.0	4.82	15.0	4.88	14.9	4.99
	-5.0	-5.6	15.7	4.62	15.7	4.73	15.6	4.84	15.6	4.90	15.6	4.95	15.3	4.94
	-3.0	-3.7	16.3	4.70	16.3	4.81	16.3	4.92	16.3	4.97	16.2	5.02	15.3	4.70
	0.0	-0.7	17.3	4.82	17.3	4.92	17.3	5.02	17.0	4.97	16.5	4.77	15.3	4.37
	3.0	2.2	18.3	4.92	18.2	5.01	17.6	4.84	17.0	4.65	16.5	4.46	15.3	4.09
	5.0	4.1	18.9	4.98	18.7	5.01	17.6	4.64	17.0	4.46	16.5	4.28	15.3	3.93
	7.0	6.0	19.5	5.04	18.7	4.81	17.6	4.45	17.0	4.28	16.5	4.11	15.3	3.78
	9.0	7.9	19.9	4.97	18.7	4.62	17.6	4.29	17.0	4.12	16.5	3.96	15.3	3.64
	11.0	9.8	19.9	4.79	18.7	4.45	17.6	4.13	17.0	3.97	16.5	3.81	15.3	3.51
	13.0	11.8	19.9	4.60	18.7	4.29	17.6	3.98	17.0	3.82	16.5	3.68	15.3	3.38
	15.0	13.7	19.9	4.44	18.7	4.14	17.6	3.84	17.0	3.70	16.5	3.55	15.3	3.27
100% 16.00 kW	-19.8	-20.0	10.9	3.97	10.9	4.11	10.9	4.26	10.9	4.33	10.8	4.41	10.8	4.55
	-18.8	-19.0	11.3	4.05	11.2	4.19	11.2	4.33	11.2	4.40	11.2	4.47	11.1	4.62
	-16.7	-17.0	11.9	4.19	11.9	4.33	11.9	4.46	11.8	4.53	11.8	4.60	11.8	4.73
	-14.7	-15.0	12.6	4.33	12.5	4.45	12.5	4.58	12.5	4.64	12.5	4.71	12.5	4.83
	-12.6	-13.0	13.2	4.44	13.2	4.56	13.2	4.69	13.2	4.75	13.1	4.81	13.1	4.93
	-10.5	-11.0	13.9	4.55	13.9	4.67	13.8	4.78	13.8	4.84	13.8	4.90	13.8	5.01
	-9.5	-10.0	14.2	4.60	14.2	4.71	14.2	4.83	14.1	4.88	14.1	4.94	13.9	4.96
	-8.5	-9.1	14.5	4.65	14.5	4.75	14.5	4.86	14.4	4.92	14.4	4.97	13.9	4.83
	-7.0	-7.6	15.0	4.71	15.0	4.82	14.9	4.93	14.9	4.98	14.9	5.03	13.9	4.63
	-5.0	-5.6	15.7	4.80	15.6	4.90	15.6	5.00	15.5	5.00	15.0	4.79	13.9	4.39
	-3.0	-3.7	16.3	4.87	16.3	4.97	16.0	4.95	15.5	4.76	15.0	4.56	13.9	4.18
	0.0	-0.7	17.3	4.98	17.0	4.97	16.0	4.60	15.5	4.42	15.0	4.24	13.9	3.89
	3.0	2.2	18.1	4.99	17.0	4.64	16.0	4.30	15.5	4.14	15.0	3.97	13.9	3.65
	5.0	4.1	18.1	4.79	17.0	4.45	16.0	4.13	15.5	3.97	15.0	3.81	13.9	3.51
	7.0	6.0	18.1	4.60	17.0	4.28	16.0	3.97	15.5	3.82	15.0	3.67	13.9	3.38
	9.0	7.9	18.1	4.42	17.0	4.12	16.0	3.82	15.5	3.68	15.0	3.54	13.9	3.26
	11.0	9.8	18.1	4.26	17.0	3.97	16.0	3.69	15.5	3.55	15.0	3.41	13.9	3.14
	13.0	11.8	18.1	4.10	17.0	3.82	16.0	3.55	15.5	3.42	15.0	3.29	13.9	3.03
	15.0	13.7	18.1	3.96	17.0	3.70	16.0	3.44	15.5	3.31	15.0	3.18	13.9	2.94

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
 Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
 Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
 De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
 Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ5P8Y1			Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)													
			Indoor air temp. [°CDB]													
			16.0		18.0		20.0		21.0		22.0		24.0			
Combination [%] (Capacity index)	Outdoor air temp.		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% 14.40 kW	-19.8	-20.0	10.9	4.22	10.8	4.36	10.8	4.49	10.8	4.55	10.8	4.62	10.8	4.75		
	-18.8	-19.0	11.2	4.30	11.2	4.42	11.2	4.55	11.1	4.62	11.1	4.68	11.1	4.81		
	-16.7	-17.0	11.9	4.43	11.8	4.55	11.8	4.67	11.8	4.73	11.8	4.79	11.8	4.91		
	-14.7	-15.0	12.5	4.55	12.5	4.66	12.5	4.78	12.5	4.83	12.4	4.89	12.4	5.01		
	-12.6	-13.0	13.2	4.66	13.2	4.76	13.1	4.87	13.1	4.93	13.1	4.98	12.5	4.77		
	-10.5	-11.0	13.8	4.75	13.8	4.86	13.8	4.96	13.8	5.01	13.5	4.90	12.5	4.48		
	-9.5	-10.0	14.2	4.80	14.1	4.90	14.1	5.00	13.9	4.96	13.5	4.75	12.5	4.36		
	-8.5	-9.1	14.5	4.84	14.4	4.94	14.4	5.03	13.9	4.83	13.5	4.63	12.5	4.25		
	-7.0	-7.6	15.0	4.90	14.9	5.00	14.4	4.82	13.9	4.63	13.5	4.44	12.5	4.07		
	-5.0	-5.6	15.6	4.98	15.3	4.93	14.4	4.57	13.9	4.39	13.5	4.21	12.5	3.87		
	-3.0	-3.7	16.2	5.04	15.3	4.69	14.4	4.35	13.9	4.18	13.5	4.01	12.5	3.69		
	0.0	-0.7	16.3	4.69	15.3	4.36	14.4	4.05	13.9	3.89	13.5	3.74	12.5	3.44		
	3.0	2.2	16.3	4.39	15.3	4.08	14.4	3.79	13.9	3.65	13.5	3.51	12.5	3.23		
	5.0	4.1	16.3	4.21	15.3	3.92	14.4	3.64	13.9	3.51	13.5	3.37	12.5	3.11		
	7.0	6.0	16.3	4.04	15.3	3.77	14.4	3.51	13.9	3.38	13.5	3.25	12.5	3.00		
	9.0	7.9	16.3	3.89	15.3	3.63	14.4	3.38	13.9	3.25	13.5	3.13	12.5	2.89		
	11.0	9.8	16.3	3.75	15.3	3.50	14.4	3.26	13.9	3.14	13.5	3.02	12.5	2.79		
13.0	11.8	16.3	3.62	15.3	3.38	14.4	3.15	13.9	3.03	13.5	2.92	12.5	2.70			
15.0	13.7	16.3	3.50	15.3	3.27	14.4	3.05	13.9	2.94	13.5	2.83	12.5	2.62			
80% 12.80 kW	-19.8	-20.0	10.8	4.48	10.8	4.60	10.8	4.72	10.8	4.77	10.8	4.83	10.7	4.95		
	-18.8	-19.0	11.2	4.55	11.1	4.66	11.1	4.77	11.1	4.83	11.1	4.89	11.1	5.00		
	-16.7	-17.0	11.8	4.66	11.8	4.77	11.8	4.88	11.8	4.93	11.7	4.99	11.2	4.71		
	-14.7	-15.0	12.5	4.77	12.4	4.87	12.4	4.97	12.4	5.01	12.0	4.80	11.2	4.40		
	-12.6	-13.0	13.1	4.87	13.1	4.96	12.8	4.89	12.4	4.69	12.0	4.50	11.2	4.13		
	-10.5	-11.0	13.8	4.95	13.6	4.96	12.8	4.60	12.4	4.41	12.0	4.24	11.2	3.89		
	-9.5	-10.0	14.1	5.00	13.6	4.82	12.8	4.46	12.4	4.29	12.0	4.12	11.2	3.78		
	-8.5	-9.1	14.4	5.03	13.6	4.69	12.8	4.35	12.4	4.18	12.0	4.01	11.2	3.69		
	-7.0	-7.6	14.4	4.84	13.6	4.50	12.8	4.17	12.4	4.01	12.0	3.85	11.2	3.54		
	-5.0	-5.6	14.4	4.58	13.6	4.27	12.8	3.96	12.4	3.81	12.0	3.66	11.2	3.37		
	-3.0	-3.7	14.4	4.37	13.6	4.07	12.8	3.78	12.4	3.63	12.0	3.49	11.2	3.22		
	0.0	-0.7	14.4	4.06	13.6	3.79	12.8	3.52	12.4	3.39	12.0	3.26	11.2	3.01		
	3.0	2.2	14.4	3.81	13.6	3.55	12.8	3.31	12.4	3.18	12.0	3.06	11.2	2.83		
	5.0	4.1	14.4	3.66	13.6	3.41	12.8	3.18	12.4	3.06	12.0	2.95	11.2	2.73		
	7.0	6.0	14.4	3.52	13.6	3.29	12.8	3.06	12.4	2.95	12.0	2.84	11.2	2.63		
	9.0	7.9	14.4	3.39	13.6	3.17	12.8	2.96	12.4	2.85	12.0	2.75	11.2	2.54		
	11.0	9.8	14.4	3.27	13.6	3.06	12.8	2.86	12.4	2.75	12.0	2.65	11.2	2.46		
13.0	11.8	14.4	3.16	13.6	2.96	12.8	2.76	12.4	2.66	12.0	2.57	11.2	2.38			
15.0	13.7	14.4	3.06	13.6	2.86	12.8	2.67	12.4	2.58	12.0	2.49	11.2	2.31			
70% 11.20 kW	-19.8	-20.0	10.8	4.74	10.8	4.84	10.7	4.94	10.7	5.00	10.5	4.87	9.76	4.46		
	-18.8	-19.0	11.1	4.80	11.1	4.90	11.1	5.00	10.8	4.89	10.5	4.69	9.76	4.30		
	-16.7	-17.0	11.8	4.90	11.7	4.99	11.2	4.73	10.8	4.55	10.5	4.36	9.76	4.00		
	-14.7	-15.0	12.4	4.99	11.9	4.77	11.2	4.42	10.8	4.25	10.5	4.08	9.76	3.75		
	-12.6	-13.0	12.6	4.81	11.9	4.48	11.2	4.15	10.8	3.99	10.5	3.83	9.76	3.52		
	-10.5	-11.0	12.6	4.52	11.9	4.21	11.2	3.91	10.8	3.76	10.5	3.61	9.76	3.33		
	-9.5	-10.0	12.6	4.39	11.9	4.09	11.2	3.80	10.8	3.65	10.5	3.51	9.76	3.24		
	-8.5	-9.1	12.6	4.28	11.9	3.99	11.2	3.71	10.8	3.57	10.5	3.43	9.76	3.16		
	-7.0	-7.6	12.6	4.11	11.9	3.83	11.2	3.56	10.8	3.43	10.5	3.30	9.76	3.04		
	-5.0	-5.6	12.6	3.90	11.9	3.64	11.2	3.38	10.8	3.26	10.5	3.14	9.76	2.89		
	-3.0	-3.7	12.6	3.72	11.9	3.47	11.2	3.23	10.8	3.11	10.5	3.00	9.76	2.77		
	0.0	-0.7	12.6	3.47	11.9	3.24	11.2	3.02	10.8	2.91	10.5	2.80	9.76	2.59		
	3.0	2.2	12.6	3.26	11.9	3.05	11.2	2.84	10.8	2.74	10.5	2.64	9.76	2.45		
	5.0	4.1	12.6	3.13	11.9	2.93	11.2	2.74	10.8	2.64	10.5	2.55	9.76	2.36		
	7.0	6.0	12.6	3.02	11.9	2.83	11.2	2.64	10.8	2.55	10.5	2.46	9.76	2.28		
	9.0	7.9	12.6	2.91	11.9	2.73	11.2	2.55	10.8	2.46	10.5	2.38	9.76	2.21		
	11.0	9.8	12.6	2.82	11.9	2.64	11.2	2.47	10.8	2.38	10.5	2.30	9.76	2.14		
13.0	11.8	12.6	2.72	11.9	2.55	11.2	2.39	10.8	2.31	10.5	2.23	9.76	2.07			
15.0	13.7	12.6	2.64	11.9	2.47	11.2	2.32	10.8	2.24	10.5	2.16	9.76	2.01			
60% 9.60 kW	-19.8	-20.0	10.7	5.00	10.2	4.72	9.60	4.37	9.29	4.20	8.98	4.03	8.37	3.71		
	-18.8	-19.0	10.8	4.89	10.2	4.54	9.60	4.21	9.29	4.05	8.98	3.89	8.37	3.58		
	-16.7	-17.0	10.8	4.54	10.2	4.23	9.60	3.92	9.29	3.77	8.98	3.63	8.37	3.34		
	-14.7	-15.0	10.8	4.25	10.2	3.96	9.60	3.67	9.29	3.54	8.98	3.40	8.37	3.13		
	-12.6	-13.0	10.8	3.99	10.2	3.72	9.60	3.46	9.29	3.33	8.98	3.20	8.37	2.95		
	-10.5	-11.0	10.8	3.76	10.2	3.51	9.60	3.26	9.29	3.14	8.98	3.03	8.37	2.79		
	-9.5	-10.0	10.8	3.65	10.2	3.41	9.60	3.18	9.29	3.06	8.98	2.95	8.37	2.72		
	-8.5	-9.1	10.8	3.56	10.2	3.33	9.60	3.10	9.29	2.99	8.98	2.88	8.37	2.66		
	-7.0	-7.6	10.8	3.42	10.2	3.20	9.60	2.98	9.29	2.88	8.98	2.77	8.37	2.56		
	-5.0	-5.6	10.8	3.26	10.2	3.05	9.60	2.84	9.29	2.74	8.98	2.64	8.37	2.44		
	-3.0	-3.7	10.8	3.11	10.2	2.91	9.60	2.72	9.29	2.62	8.98	2.53	8.37	2.34		
	0.0	-0.7	10.8	2.91	10.2	2.73	9.60	2.55	9.29	2.46	8.98	2.37	8.37	2.20		
	3.0	2.2	10.8	2.74	10.2	2.57	9.60	2.40	9.29	2.32	8.98	2.24	8.37	2.08		
	5.0	4.1	10.8	2.64	10.2	2.48	9.60	2.32	9.29	2.24	8.98	2.16	8.37	2.01		
	7.0	6.0	10.8	2.55	10.2	2.39	9.60	2.24	9.29	2.17	8.98	2.09	8.37	1.95		
	9.0	7.9	10.8	2.46	10.2	2.31	9.60	2.17	9.29	2.10	8.98	2.02	8.37	1.88		
	11.0	9.8	10.8	2.38	10.2	2.24	9.60	2.10	9.29	2.03	8.98	1.96	8.37	1.83		
13.0	11.8	10.8	2.31	10.2	2.17	9.60	2.03	9.29	1.97	8.98	1.90	8.37	1.77			
15.0	13.7	10.8	2.24	10.2	2.10	9.60	1.98	9.29	1.91	8.98	1.85	8.37	1.72			
50% 8.00 kW	-19.8	-20.0	9.03	4.06	8.51	3.78	8.00	3.52	7.74	3.39	7.49	3.26	6.97	3.00		
	-18.8	-19.0	9.03	3.91	8.51	3.65	8.00	3.39	7.74	3.27	7.49	3.14	6.97	2.90		
	-16.7	-17.0	9.03	3.65	8.51	3.41	8.00	3.17	7.74	3.06	7.49	2.94	6.97	2.72		
	-14.7	-15.0	9.03	3.42	8.51	3.20	8.00	2.98	7.7							

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ6P8Y1

Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)

Combination [%] (Capacity index)	Outdoor air temp.		Indoor air temp. [°CDB]											
			16.0		18.0		20.0		21.0		22.0		24.0	
	°CDB	°CWB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130% 23.40 kW	-19.8	-20.0	11.3	2.89	11.3	3.11	11.2	3.34	11.2	3.45	11.2	3.56	11.1	3.79
	-18.8	-19.0	11.6	3.01	11.6	3.23	11.6	3.45	11.5	3.56	11.5	3.67	11.5	3.89
	-16.7	-17.0	12.3	3.23	12.3	3.44	12.2	3.65	12.2	3.75	12.2	3.85	12.1	4.06
	-14.7	-15.0	13.0	3.43	12.9	3.63	12.9	3.82	12.9	3.92	12.8	4.02	12.8	4.22
	-12.6	-13.0	13.6	3.61	13.6	3.80	13.6	3.99	13.5	4.08	13.5	4.17	13.5	4.36
	-10.5	-11.0	14.3	3.78	14.3	3.95	14.2	4.13	14.2	4.22	14.2	4.31	14.1	4.48
	-9.5	-10.0	14.6	3.85	14.6	4.03	14.6	4.20	14.5	4.28	14.5	4.37	14.5	4.54
	-8.5	-9.1	14.9	3.92	14.9	4.09	14.9	4.26	14.8	4.34	14.8	4.43	14.8	4.59
	-7.0	-7.6	15.4	4.02	15.4	4.19	15.4	4.35	15.3	4.43	15.3	4.51	15.3	4.67
	-5.0	-5.6	16.1	4.15	16.1	4.31	16.0	4.46	16.0	4.54	16.0	4.62	15.9	4.77
	-3.0	-3.7	16.7	4.26	16.7	4.41	16.7	4.56	16.6	4.64	16.6	4.71	16.6	4.86
	0.0	-0.7	17.7	4.42	17.7	4.56	17.7	4.70	17.6	4.78	17.6	4.85	17.6	4.99
	3.0	2.2	18.7	4.56	18.7	4.69	18.6	4.83	18.6	4.90	18.6	4.96	18.5	5.10
	5.0	4.1	19.3	4.64	19.3	4.77	19.3	4.90	19.2	4.97	19.2	5.03	19.2	5.16
	7.0	6.0	20.0	4.72	19.9	4.85	19.9	4.97	19.9	5.04	19.9	5.10	19.8	5.22
	9.0	7.9	20.6	4.80	20.6	4.92	20.5	5.04	20.5	5.10	20.5	5.16	20.4	5.26
	11.0	9.8	21.2	4.87	21.2	4.98	21.2	5.10	21.1	5.16	21.1	5.22	21.0	5.30
	13.0	11.8	21.9	4.94	21.9	5.05	21.8	5.16	21.8	5.22	21.8	5.28	21.7	5.38
	15.0	13.7	22.6	5.00	22.5	5.11	22.5	5.22	22.4	5.27	22.4	5.33	22.3	5.43
120% 21.60 kW	-19.8	-20.0	11.2	3.19	11.2	3.40	11.2	3.61	11.1	3.71	11.1	3.82	11.1	4.03
	-18.8	-19.0	11.6	3.30	11.5	3.51	11.5	3.71	11.5	3.81	11.5	3.91	11.4	4.11
	-16.7	-17.0	12.2	3.51	12.2	3.70	12.2	3.89	12.2	3.99	12.1	4.08	12.1	4.28
	-14.7	-15.0	12.9	3.70	12.9	3.88	12.8	4.06	12.8	4.15	12.8	4.24	12.8	4.42
	-12.6	-13.0	13.6	3.86	13.5	4.04	13.5	4.21	13.5	4.29	13.5	4.38	13.4	4.55
	-10.5	-11.0	14.2	4.02	14.2	4.18	14.2	4.34	14.2	4.42	14.1	4.50	14.1	4.67
	-9.5	-10.0	14.6	4.09	14.5	4.25	14.5	4.40	14.5	4.48	14.5	4.56	14.4	4.72
	-8.5	-9.1	14.9	4.15	14.8	4.30	14.8	4.46	14.8	4.54	14.8	4.61	14.7	4.77
	-7.0	-7.6	15.4	4.24	15.3	4.39	15.3	4.54	15.3	4.62	15.3	4.69	15.2	4.84
	-5.0	-5.6	16.1	4.36	16.0	4.50	16.0	4.65	16.0	4.72	15.9	4.79	15.9	4.94
	-3.0	-3.7	16.7	4.46	16.6	4.60	16.6	4.74	16.6	4.81	16.6	4.88	16.5	5.02
	0.0	-0.7	17.7	4.61	17.7	4.74	17.6	4.87	17.6	4.94	17.6	5.00	17.5	5.14
	3.0	2.2	18.7	4.74	18.6	4.87	18.6	4.99	18.6	5.05	18.5	5.11	18.5	5.24
	5.0	4.1	19.3	4.82	19.3	4.94	19.2	5.06	19.2	5.12	19.2	5.18	19.1	5.30
	7.0	6.0	19.9	4.89	19.9	5.01	19.8	5.12	19.8	5.18	19.8	5.24	19.7	5.36
	9.0	7.9	20.6	4.96	20.5	5.07	20.5	5.18	20.5	5.24	20.2	5.29	20.1	5.41
	11.0	9.8	21.2	5.03	21.2	5.13	21.1	5.24	20.9	5.29	20.2	5.34	20.1	5.46
	13.0	11.8	21.9	5.09	21.8	5.19	21.6	5.23	20.9	5.29	20.2	5.34	20.1	5.46
	15.0	13.7	22.5	5.15	22.5	5.25	21.6	5.35	20.9	5.40	20.2	5.45	20.1	5.55
110% 19.80 kW	-19.8	-20.0	11.2	3.50	11.2	3.69	11.1	3.88	11.1	3.97	11.1	4.07	11.0	4.26
	-18.8	-19.0	11.5	3.60	11.5	3.79	11.5	3.97	11.4	4.06	11.4	4.16	11.4	4.34
	-16.7	-17.0	12.2	3.79	12.2	3.97	12.1	4.14	12.1	4.23	12.1	4.32	12.1	4.49
	-14.7	-15.0	12.9	3.96	12.8	4.13	12.8	4.29	12.8	4.38	12.8	4.46	12.7	4.62
	-12.6	-13.0	13.5	4.12	13.5	4.27	13.5	4.43	13.4	4.51	13.4	4.59	13.4	4.74
	-10.5	-11.0	14.2	4.25	14.2	4.40	14.1	4.55	14.1	4.63	14.1	4.70	14.1	4.85
	-9.5	-10.0	14.5	4.32	14.5	4.47	14.5	4.61	14.4	4.68	14.4	4.76	14.4	4.90
	-8.5	-9.1	14.8	4.37	14.8	4.52	14.8	4.66	14.7	4.73	14.7	4.80	14.7	4.95
	-7.0	-7.6	15.3	4.46	15.3	4.60	15.3	4.74	15.2	4.81	15.2	4.88	15.2	5.02
	-5.0	-5.6	16.0	4.57	16.0	4.70	15.9	4.84	15.9	4.90	15.9	4.97	15.9	5.10
	-3.0	-3.7	16.6	4.67	16.6	4.79	16.6	4.92	16.5	4.98	16.5	5.05	16.5	5.18
	0.0	-0.7	17.6	4.80	17.6	4.92	17.6	5.04	17.5	5.10	17.5	5.16	17.3	5.29
	3.0	2.2	18.6	4.92	18.6	5.04	18.5	5.15	18.5	5.21	18.5	5.26	18.4	5.39
	5.0	4.1	19.2	4.99	19.2	5.10	19.2	5.21	19.1	5.27	19.1	5.32	19.0	5.45
	7.0	6.0	19.9	5.06	19.8	5.17	19.8	5.27	19.2	5.37	19.2	5.42	19.1	5.55
	9.0	7.9	20.5	5.12	20.5	5.23	19.8	5.33	19.2	5.43	18.5	5.48	17.3	5.61
	11.0	9.8	21.1	5.18	21.1	5.27	19.8	5.37	19.2	5.47	18.5	5.52	17.3	5.65
	13.0	11.8	21.8	5.24	21.1	5.33	19.8	5.42	19.2	5.52	18.5	5.57	17.3	5.70
	15.0	13.7	22.3	5.29	21.1	5.38	19.8	5.47	19.2	5.57	18.5	5.62	17.3	5.75
100% 18.00 kW	-19.8	-20.0	11.1	3.80	11.1	3.98	11.1	4.15	11.1	4.24	11.0	4.32	11.0	4.50
	-18.8	-19.0	11.5	3.90	11.4	4.07	11.4	4.23	11.4	4.32	11.4	4.40	11.3	4.57
	-16.7	-17.0	12.1	4.07	12.1	4.23	12.1	4.39	12.1	4.47	12.0	4.55	12.0	4.71
	-14.7	-15.0	12.8	4.23	12.8	4.38	12.7	4.53	12.7	4.60	12.7	4.68	12.7	4.83
	-12.6	-13.0	13.5	4.37	13.4	4.51	13.4	4.65	13.4	4.72	13.4	4.79	13.3	4.94
	-10.5	-11.0	14.1	4.49	14.1	4.63	14.1	4.76	14.1	4.83	14.0	4.90	14.0	5.04
	-9.5	-10.0	14.5	4.55	14.4	4.68	14.4	4.82	14.4	4.88	14.4	4.95	14.3	5.08
	-8.5	-9.1	14.8	4.60	14.7	4.73	14.7	4.86	14.7	4.93	14.7	4.99	14.6	5.12
	-7.0	-7.6	15.3	4.68	15.2	4.81	15.2	4.93	15.2	5.00	15.2	5.06	15.1	5.19
	-5.0	-5.6	15.9	4.78	15.9	4.90	15.9	5.02	15.9	5.08	15.8	5.14	15.7	5.26
	-3.0	-3.7	16.6	4.87	16.5	4.99	16.5	5.10	16.5	5.16	16.5	5.22	16.4	5.35
	0.0	-0.7	17.6	5.00	17.5	5.10	17.5	5.21	17.4	5.23	17.4	5.29	17.3	5.42
	3.0	2.2	18.5	5.10	18.5	5.21	18.0	5.29	17.4	5.37	16.8	5.44	16.2	5.57
	5.0	4.1	19.2	5.17	19.1	5.27	18.0	5.35	17.4	5.43	16.8	5.49	16.2	5.62
	7.0	6.0	19.8	5.23	19.2	5.33	18.0	5.41	17.4	5.49	16.8	5.55	16.2	5.68
	9.0	7.9	20.3	5.29	19.2	5.37	18.0	5.45	17.4	5.53	16.8	5.59	16.2	5.74
	11.0	9.8	20.3	5.34	19.2	5.42	18.0	5.50	17.4	5.58	16.8	5.64	16.2	5.80
	13.0	11.8	20.3	5.39	19.2	5.47	18.0	5.55	17.4	5.63	16.8	5.69	16.2	5.86
	15.0	13.7	20.3	5.44	19.2	5.52	18.0	5.60	17.4	5.68	16.8	5.74	16.2	5.92

NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

- The above table shows the average value of conditions which may occur.
Die obige Tabelle zeigt den Durchschnittswert der Bedingungen, die auftreten können.
 Στον παραπάνω πίνακα αναγράφεται η μέση τιμή για συνθήκες που μπορεί να προκύψουν.
La tabla de arriba muestra el valor medio de condiciones que pueden ocurrir.
 Le tableau ci-dessus donne la valeur moyenne pour des conditions qui peuvent survenir.
La tabella in alto mostra il valore delle condizioni medie che si possono riscontrare.
 De tabel hierboven geeft de gemiddelde waarde aan van situaties die kunnen voorvallen.
Таблица расположенная выше показывает среднее значение условий, которые могут наступить.
 Yukarıdaki tablo meydana gelebilecek koşulların ortalama değerini göstermektedir.

4 Capacity tables

4 - 3 Heating Capacity Tables

RXYSQ6P8Y1			Total capacity [kW], power Input [kW] (Compressor + Outdoor fan motor)											
			Indoor air temp. [°CDB]											
			Outdoor air temp.		16.0		18.0		20.0		21.0		22.0	
Combination [%] (Capacity index)			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% 16.20 kW	-19.8	-20.0	11.1	4.11	11.0	4.26	11.0	4.42	11.0	4.50	11.0	4.58	11.0	4.73
	-18.8	-19.0	11.4	4.19	11.4	4.34	11.4	4.50	11.3	4.57	11.3	4.65	11.3	4.80
	-16.7	-17.0	12.1	4.35	12.1	4.49	12.0	4.64	12.0	4.71	12.0	4.78	12.0	4.92
	-14.7	-15.0	12.7	4.49	12.7	4.63	12.7	4.76	12.7	4.83	12.7	4.90	12.6	5.03
	-12.6	-13.0	13.4	4.62	13.4	4.75	13.4	4.87	13.3	4.94	13.3	5.00	13.3	5.13
	-10.5	-11.0	14.1	4.73	14.1	4.85	14.0	4.98	14.0	5.04	14.0	5.10	14.0	5.22
	-9.5	-10.0	14.4	4.79	14.4	4.90	14.4	5.02	14.3	5.08	14.3	5.14	14.1	5.16
	-8.5	-9.1	14.7	4.83	14.7	4.95	14.7	5.06	14.6	5.12	14.6	5.18	14.1	5.03
	-7.0	-7.6	15.2	4.90	15.2	5.02	15.2	5.13	15.1	5.19	15.1	5.24	14.1	4.82
	-5.0	-5.6	15.9	4.99	15.9	5.10	15.8	5.21	15.7	5.19	15.2	4.98	14.1	4.58
	-3.0	-3.7	16.5	5.07	16.5	5.18	16.2	5.15	15.7	4.95	15.2	4.75	14.1	4.37
	0.0	-0.7	17.5	5.19	17.2	5.17	16.2	4.79	15.7	4.61	15.2	4.43	14.1	4.07
	3.0	2.2	18.3	5.19	17.2	4.84	16.2	4.49	15.7	4.32	15.2	4.15	14.1	3.83
	5.0	4.1	18.3	4.98	17.2	4.64	16.2	4.31	15.7	4.15	15.2	3.99	14.1	3.68
	7.0	6.0	18.3	4.79	17.2	4.47	16.2	4.15	15.7	4.00	15.2	3.84	14.1	3.55
	9.0	7.9	18.3	4.61	17.2	4.30	16.2	4.00	15.7	3.85	15.2	3.71	14.1	3.42
	11.0	9.8	18.3	4.44	17.2	4.15	16.2	3.86	15.7	3.72	15.2	3.58	14.1	3.31
13.0	11.8	18.3	4.28	17.2	4.00	16.2	3.73	15.7	3.59	15.2	3.46	14.1	3.20	
15.0	13.7	18.3	4.14	17.2	3.87	16.2	3.61	15.7	3.48	15.2	3.35	14.1	3.10	
80% 14.40 kW	-19.8	-20.0	11.0	4.41	11.0	4.55	11.0	4.69	11.0	4.76	10.9	4.83	10.9	4.97
	-18.8	-19.0	11.4	4.49	11.3	4.62	11.3	4.76	11.3	4.83	11.3	4.89	11.3	5.03
	-16.7	-17.0	12.0	4.63	12.0	4.76	12.0	4.88	12.0	4.95	11.9	5.01	11.9	5.14
	-14.7	-15.0	12.7	4.75	12.7	4.87	12.6	5.00	12.6	5.06	12.6	5.12	12.5	5.21
	-12.6	-13.0	13.4	4.87	13.3	4.98	13.3	5.10	13.3	5.15	13.3	5.21	12.5	4.89
	-10.5	-11.0	14.0	4.97	14.0	5.08	14.0	5.19	13.9	5.23	13.5	5.02	12.5	4.60
	-9.5	-10.0	14.4	5.02	14.3	5.12	14.3	5.23	13.9	5.08	13.5	4.87	12.5	4.48
	-8.5	-9.1	14.7	5.06	14.6	5.16	14.4	5.15	13.9	4.95	13.5	4.75	12.5	4.37
	-7.0	-7.6	15.2	5.12	15.1	5.22	14.4	4.94	13.9	4.75	13.5	4.56	12.5	4.19
	-5.0	-5.6	15.8	5.20	15.3	5.05	14.4	4.69	13.9	4.51	13.5	4.33	12.5	3.99
	-3.0	-3.7	16.3	5.17	15.3	4.81	14.4	4.47	13.9	4.30	13.5	4.13	12.5	3.81
	0.0	-0.7	16.3	4.81	15.3	4.48	14.4	4.17	13.9	4.01	13.5	3.86	12.5	3.56
	3.0	2.2	16.3	4.51	15.3	4.21	14.4	3.91	13.9	3.77	13.5	3.63	12.5	3.35
	5.0	4.1	16.3	4.33	15.3	4.04	14.4	3.76	13.9	3.63	13.5	3.49	12.5	3.23
	7.0	6.0	16.3	4.17	15.3	3.89	14.4	3.63	13.9	3.50	13.5	3.37	12.5	3.11
	9.0	7.9	16.3	4.01	15.3	3.75	14.4	3.50	13.9	3.37	13.5	3.25	12.5	3.01
	11.0	9.8	16.3	3.88	15.3	3.63	14.4	3.38	13.9	3.26	13.5	3.14	12.5	2.91
13.0	11.8	16.3	3.74	15.3	3.50	14.4	3.27	13.9	3.15	13.5	3.04	12.5	2.81	
15.0	13.7	16.3	3.62	15.3	3.39	14.4	3.16	13.9	3.05	13.5	2.94	12.5	2.73	
70% 12.60 kW	-19.8	-20.0	11.0	4.72	10.9	4.84	10.9	4.96	10.9	5.02	10.9	5.08	10.9	5.20
	-18.8	-19.0	11.3	4.78	11.3	4.90	11.3	5.02	11.2	5.08	11.2	5.14	11.0	5.09
	-16.7	-17.0	12.0	4.91	11.9	5.02	11.9	5.13	11.9	5.19	11.8	5.17	11.0	4.74
	-14.7	-15.0	12.6	5.02	12.6	5.12	12.6	5.23	12.2	5.03	11.8	4.83	11.0	4.44
	-12.6	-13.0	13.3	5.12	13.3	5.22	12.6	4.91	12.2	4.72	11.8	4.54	11.0	4.17
	-10.5	-11.0	14.0	5.21	13.4	4.99	12.6	4.63	12.2	4.45	11.8	4.28	11.0	3.94
	-9.5	-10.0	14.2	5.20	13.4	4.84	12.6	4.50	12.2	4.33	11.8	4.16	11.0	3.83
	-8.5	-9.1	14.2	5.07	13.4	4.72	12.6	4.39	12.2	4.22	11.8	4.06	11.0	3.74
	-7.0	-7.6	14.2	4.86	13.4	4.53	12.6	4.21	12.2	4.06	11.8	3.90	11.0	3.60
	-5.0	-5.6	14.2	4.62	13.4	4.31	12.6	4.01	12.2	3.86	11.8	3.71	11.0	3.43
	-3.0	-3.7	14.2	4.40	13.4	4.11	12.6	3.83	12.2	3.69	11.8	3.55	11.0	3.28
	0.0	-0.7	14.2	4.11	13.4	3.84	12.6	3.58	12.2	3.45	11.8	3.32	11.0	3.07
	3.0	2.2	14.2	3.86	13.4	3.61	12.6	3.37	12.2	3.25	11.8	3.13	11.0	2.90
	5.0	4.1	14.2	3.71	13.4	3.47	12.6	3.24	12.2	3.13	11.8	3.01	11.0	2.79
	7.0	6.0	14.2	3.57	13.4	3.35	12.6	3.13	12.2	3.02	11.8	2.91	11.0	2.70
	9.0	7.9	14.2	3.45	13.4	3.23	12.6	3.02	12.2	2.92	11.8	2.81	11.0	2.61
	11.0	9.8	14.2	3.33	13.4	3.13	12.6	2.92	12.2	2.82	11.8	2.72	11.0	2.53
13.0	11.8	14.2	3.22	13.4	3.02	12.6	2.83	12.2	2.73	11.8	2.64	11.0	2.45	
15.0	13.7	14.2	3.12	13.4	2.93	12.6	2.74	12.2	2.65	11.8	2.56	11.0	2.38	
60% 10.80 kW	-19.8	-20.0	10.9	5.02	10.9	5.13	10.8	5.18	10.5	4.97	10.1	4.78	9.41	4.39
	-18.8	-19.0	11.2	5.08	11.2	5.18	10.8	4.99	10.5	4.79	10.1	4.60	9.41	4.23
	-16.7	-17.0	11.9	5.19	11.5	5.01	10.8	4.65	10.5	4.47	10.1	4.29	9.41	3.95
	-14.7	-15.0	12.2	5.03	11.5	4.68	10.8	4.35	10.5	4.19	10.1	4.03	9.41	3.71
	-12.6	-13.0	12.2	4.72	11.5	4.40	10.8	4.09	10.5	3.94	10.1	3.79	9.41	3.50
	-10.5	-11.0	12.2	4.45	11.5	4.15	10.8	3.86	10.5	3.72	10.1	3.58	9.41	3.31
	-9.5	-10.0	12.2	4.32	11.5	4.04	10.8	3.76	10.5	3.62	10.1	3.49	9.41	3.22
	-8.5	-9.1	12.2	4.22	11.5	3.94	10.8	3.67	10.5	3.54	10.1	3.41	9.41	3.15
	-7.0	-7.6	12.2	4.05	11.5	3.79	10.8	3.53	10.5	3.40	10.1	3.28	9.41	3.03
	-5.0	-5.6	12.2	3.85	11.5	3.61	10.8	3.36	10.5	3.24	10.1	3.13	9.41	2.89
	-3.0	-3.7	12.2	3.68	11.5	3.45	10.8	3.22	10.5	3.11	10.1	2.99	9.41	2.77
	0.0	-0.7	12.2	3.45	11.5	3.23	10.8	3.02	10.5	2.91	10.1	2.81	9.41	2.61
	3.0	2.2	12.2	3.24	11.5	3.04	10.8	2.85	10.5	2.75	10.1	2.65	9.41	2.46
	5.0	4.1	12.2	3.13	11.5	2.93	10.8	2.74	10.5	2.65	10.1	2.56	9.41	2.38
	7.0	6.0	12.2	3.02	11.5	2.83	10.8	2.65	10.5	2.56	10.1	2.48	9.41	2.30
	9.0	7.9	12.2	2.91	11.5	2.74	10.8	2.57	10.5	2.48	10.1	2.40	9.41	2.23
	11.0	9.8	12.2	2.82	11.5	2.65	10.8	2.49	10.5	2.40	10.1	2.32	9.41	2.16
13.0	11.8	12.2	2.73	11.5	2.57	10.8	2.41	10.5	2.33	10.1	2.25	9.41	2.10	
15.0	13.7	12.2	2.65	11.5	2.49	10.8	2.34	10.5	2.26	10.1	2.19	9.41	2.04	
50% 9.00 kW	-19.8	-20.0	10.2	4.80	9.58	4.48	9.00	4.16	8.71	4.01	8.42	3.86	7.84	3.56
	-18.8	-19.0	10.2	4.63	9.58	4.32	9.00	4.02	8.71	3.87	8.42	3.72	7.84	3.44
	-16.7	-17.0	10.2	4.32	9.58	4.03	9.00	3.76	8.71	3.62	8.42	3.48	7.84	3.22
	-14.7	-15.0	10.2	4.05	9.58	3.78	9.00	3.53						

4 Capacity tables

4 - 4 Integrated Heating Capacity Correction Factor

RXYSQ-P8Y1

INTEGRATED HEATING CAPACITY COEFFICIENT

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

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

Formula:

Integrated heating capacity = A

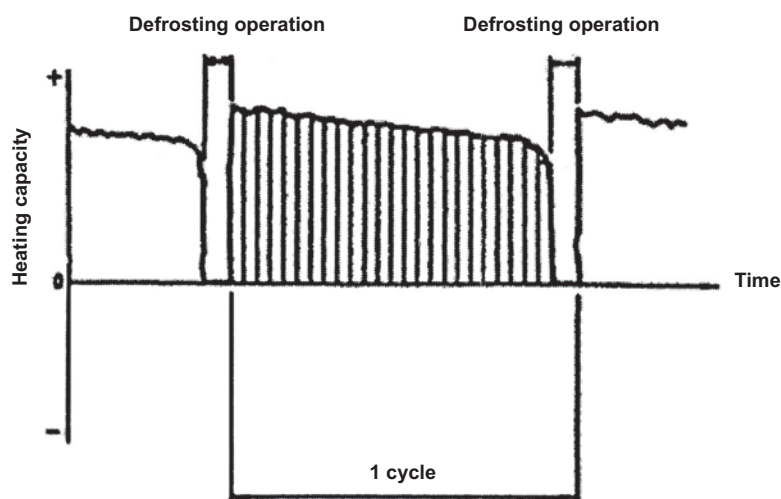
Value given in table of capacity characteristics = B

Integrating correction factor for frost accumulation (kW) = C

$A = B \times C$

Correction factor for finding integrated heating capacity.

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



3TW30402

NOTES

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

4 Capacity tables

4 - 5 Capacity Correction Factor

RXYSQ-P8Y1 - for combination with RA and Sky Air indoor units

Capacity Correction Factor by the Length of Refrigerant Piping

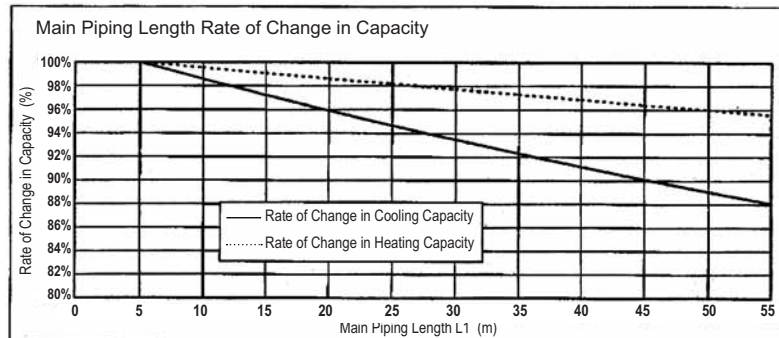
• Rate of Change in Capacity by the Main Piping Length

Rate of Change in Cooling Capacity

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

Rate of Change in Heating Capacity

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



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

• Rate of Change in Capacity by Branch Piping Length

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

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

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

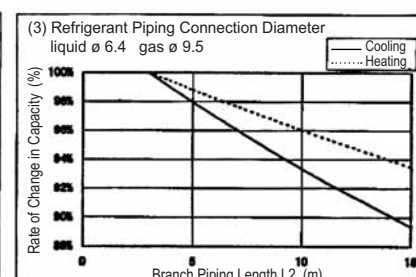
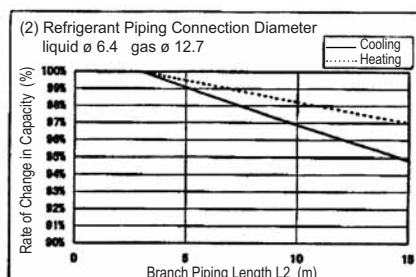
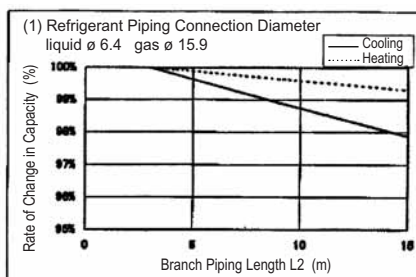
Piping length	Rate of Change in Capacity	
	Cooling	Heating
3	100.0%	100.0%
5	99.1%	99.5%
10	96.9%	98.2%
15	94.8%	97.0%

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

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

Piping size for field connection (mm)

		RA		SA	
		Liquid	Gas	Liquid	Gas
Class (KW)	25	ø 6.4	ø 9.5	ø 6.4	ø 9.5
	35				
	42				
	50	ø 12.7	ø 6.4	ø 12.7	
	60				
	71				



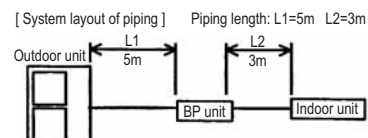
[Method of calculating cooling/heating capacity]

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

3TW33622-5

NOTES

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

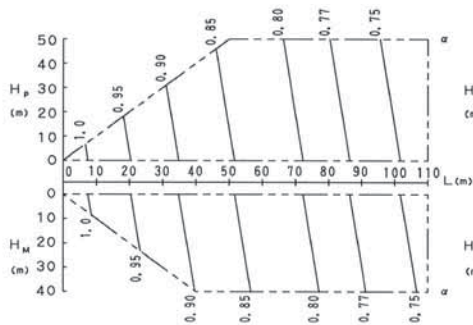


4 Capacity tables

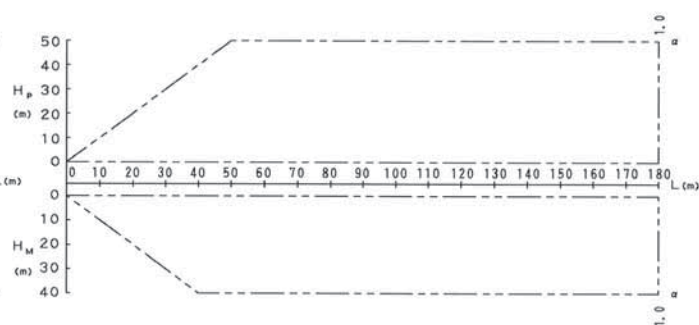
4 - 5 Capacity Correction Factor

RXYSQ4,5P8Y1

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]

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

[Diameter of pipes]

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

3TW33622-3

NOTES

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating cooling/heating capacity (max. capacity for combination with standard indoor unit)

$$\text{cooling / heating capacity} = \text{cooling / heating capacity obtained from performance characteristics table} \times \text{each capacity rate of change}$$

In the case length of piping differs depending on the indoor unit, maximum capacity of each unit during simultaneous operation is:

$$\text{cooling / heating capacity} = \text{cooling / heating capacity of each unit} \times \text{capacity rate of change for each piping length}$$

<As for RXYSQ4, 5P8V1 - RXYSQ4, 5P8Y1>

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

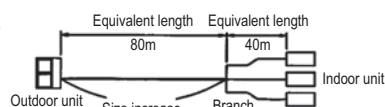
[Diameter of above case]

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

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

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

Example: (RXYSQ4, 5P8V1
RXYSQ4, 5P8Y1)



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

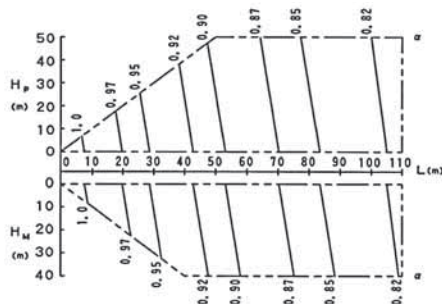
- For RXYSQ: use these correction factors in case of vrv indoor unit.

4 Capacity tables

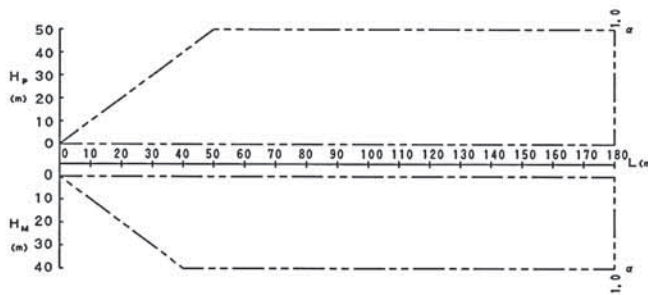
4 - 5 Capacity Correction Factor

RXYSQ6P8Y1

1. Rate of change in cooling capacity



2. Rate of change in heating capacity



[Explanation of symbols]

Hp: Level difference (m) between indoor and outdoor units where indoor unit in inferior position

Hm: Level difference (m) between indoor and outdoor units where indoor unit in superior position

L: Equivalent pipe length (m)

C: Capacity correction factor

[Diameter of pipes]

Model	Gas	Liquid
RXYSQ6P8Y1	ø 19.1	ø 9.5

3TW33642-4

NOTES

- These figures illustrate the rate of change in capacity of a standard indoor unit system at maximum load (with the thermostat set to maximum) under standard conditions. Moreover, under partial load conditions there is only a minor deviation from the rate of change in capacity shown in the above figures.
- With this outdoor unit, evaporating pressure constant control when cooling, and condensing pressure constant control when heating is carried out.
- Method of calculating cooling/heating capacity (max. capacity for combination with standard indoor unit)

$$\text{cooling / heating capacity} = \text{cooling / heating capacity obtained from performance characteristics table} \times \text{each capacity rate of change}$$

In the case length of piping differs depending on the indoor unit, maximum capacity of each unit during simultaneous operation is:

$$\text{cooling / heating capacity} = \text{cooling / heating capacity of each unit} \times \text{capacity rate of change for each piping length}$$

<As for RXYM6M4A - RXYSQ6M7V3B - RXYM6M4LT - RXYM6PV4A, RXMQ6PVE - RXMQ6VPE - RXYSQ6P7V3B - RXYSQ6P7Y1B - RXYSQ6PA7V1B - RXYSQPA7Y1B - RXYSQ6P8V1B - RXYSQ6P8Y1B>

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

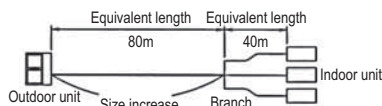
[Diameter of above case]

Model	Gas	Liquid
RXYSQ6P8Y1B	ø 22.2	Not increased

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

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

Example: RXYSQ6P8Y1B



In the above case (Cooling)

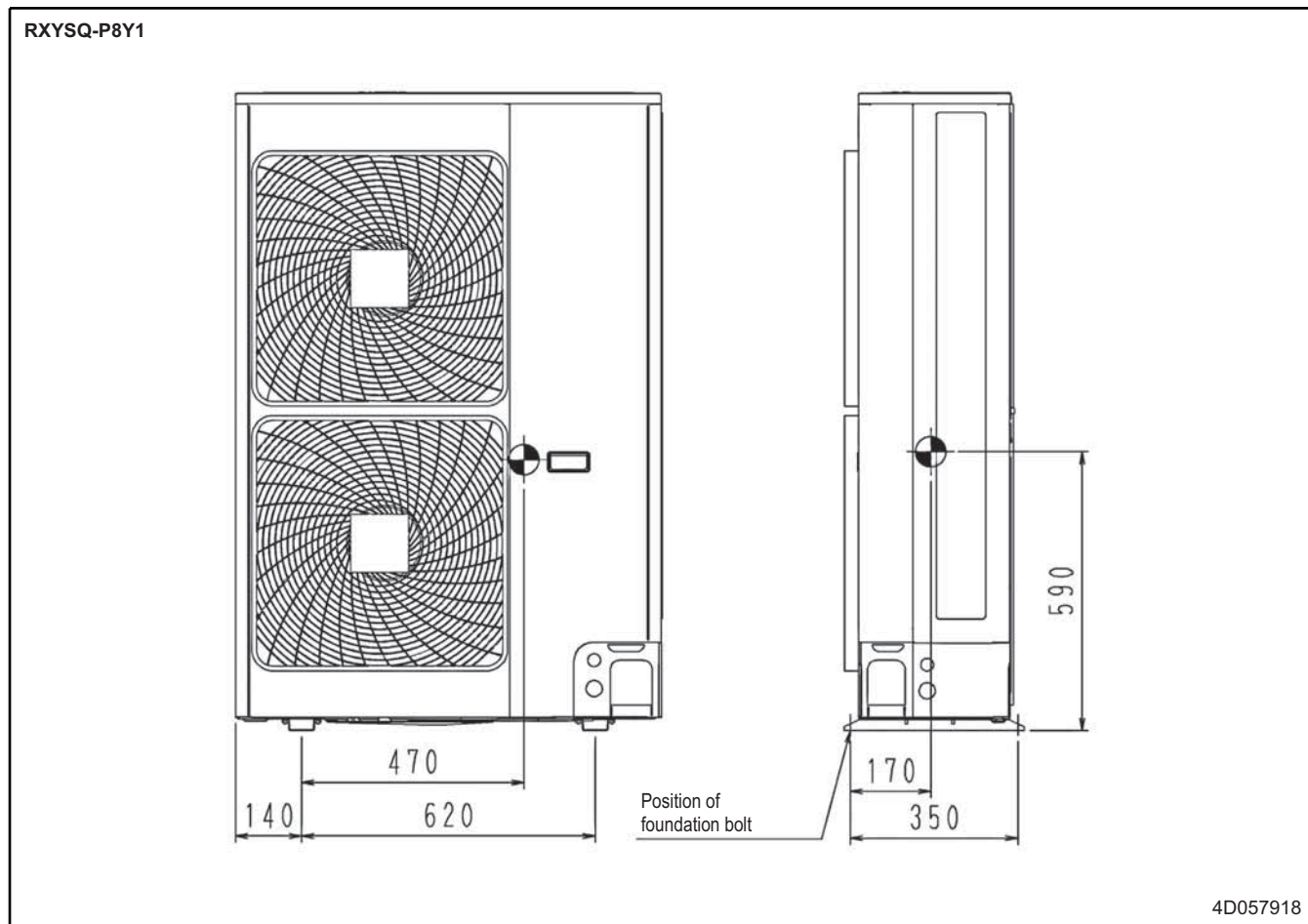
$$\text{Overall equivalent length} = 80\text{m} \times 0.5 + 40\text{m} = 80\text{m}$$

The correction factor in capacity when Hp = 0m is thus approximately 0.86

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

6 Centre of gravity

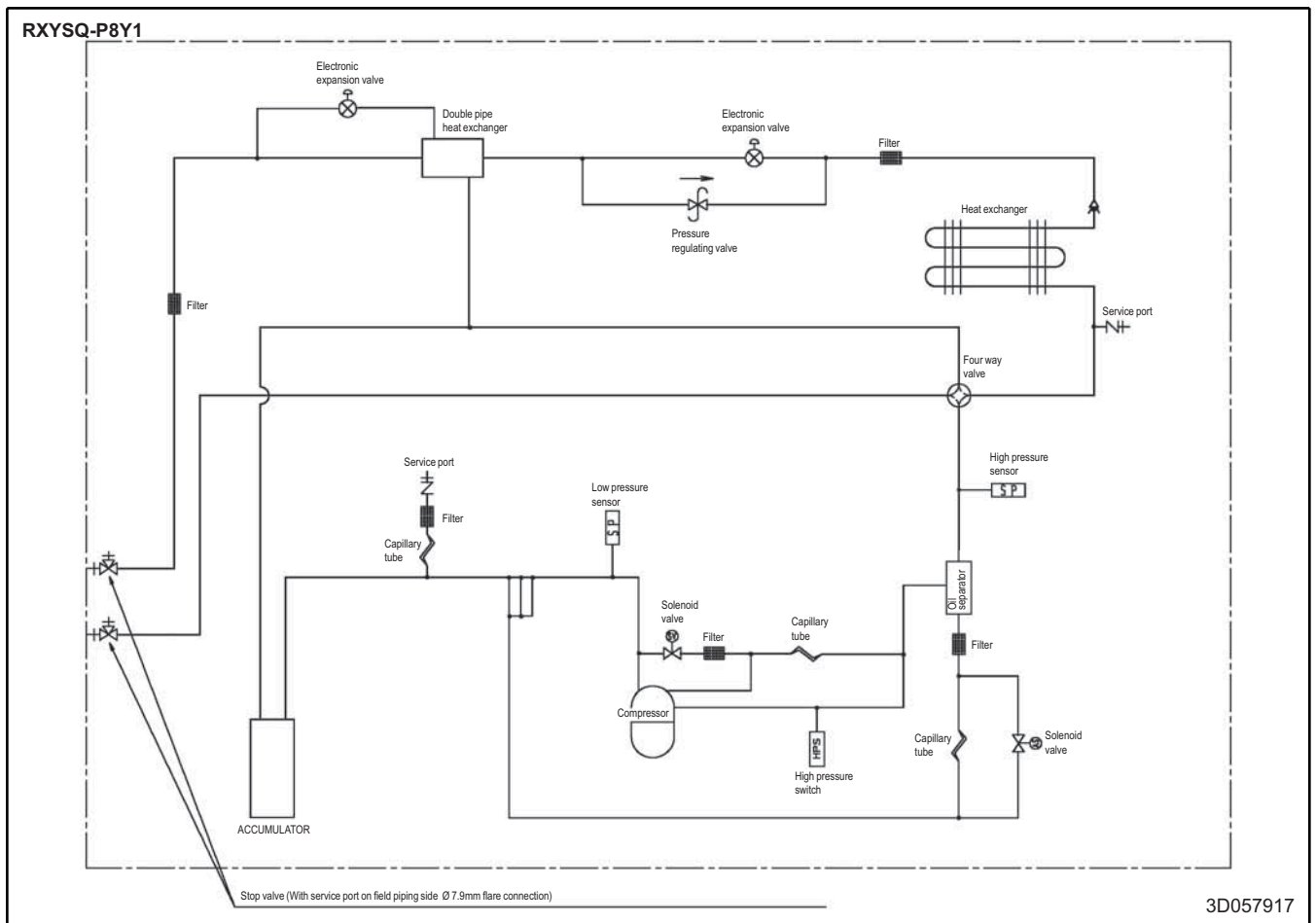
6 - 1 Centre of Gravity



7 Piping diagrams

7 - 1 Piping Diagrams

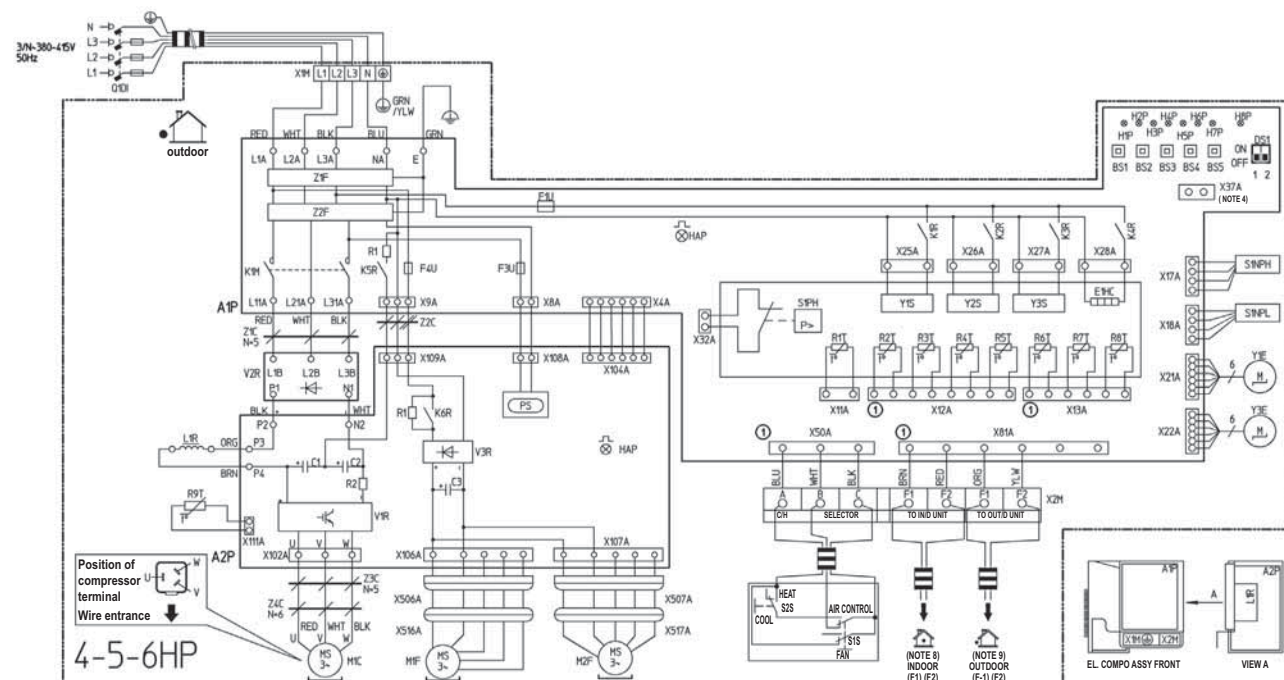
7



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXYSQ-P8Y1



Cool/Heat selector		HAP (A2P)	Light emitting diode (service monitor green)	R5T	Thermistor (suction 2)
S1S	Selector switch (fan / cool - heat)	K1M(A1P)	Magnetic contactor	R6T	Thermistor (heat exchanger)
S2S	Selector switch (cool - heat)	K1R	Magnetic relay (Y1S)	R7T	Thermistor (liquid 1)
Connector of option adaptor		K2R	Magnetic relay (Y2S)	R8T	Thermistor (liquid 2)
X37A (note 4)	Connector (option adaptor power supply)	K3R	Magnetic relay (Y3S)	R9T	Thermistor (power module)
L1-RED	L2-WHT	L3-BLK	N-BLU	K4R	Magnetic relay (E1HC)
A1P	Printed circuit board (main)	K5R, K6R	Magnetic relay	S1NPH	Pressure sensor (high)
A2P	Printed circuit board (inv.)	L1R	Reactor	S1PNL	Pressure sensor (low)
BS1~BS5	Pushbuttonswitch(mode,set,return,test,reset)	M1C	Motor (compressor)	S1PH	Pressure switch (high)
C1~C3	Capacitor	M1F	Motor (fan) (upper)	V1R	Power module
DS1-1	Dip switch	M2F	Motor (fan) (lower)	V2R, V3R	Diode module
DS1-2	Dip switch	M2F	Motor (fan) (lower)	X1M	Terminal strip (power supply)
E1HC	Crankcase heater	PS	Switching power supply	X2M	Terminal strip (control) (C/H selector)
F1, 3, 4U (A1P)	Fuse (T 6.3A / 250V)	Q1DI	Field earth leakage breaker (300mA)	Y1E	Electronic expansion valve (main)
H1P~H8P	Light emit. diode (serv. monitor-orange) [H2P] Prepare, test ----- flickering Malfunction detection --- light up	R1(A1P)	Resistor	Y3E	Electronic expansion valve (subcool)
HAP (A1P)	Light emitting diode (service monitor green)	R1(A2P)	Resistor	Y1S	Solenoid valve (4 way valve)
		R2(A2P)	Resistor	Y2S	Solenoid valve (hot gas)
		R1T	Thermistor (air)	Y3S	Solenoid valve (U/L circuit)
		R2T	Thermistor (M1C discharge)	Z1C~Z4C	Noise filter (ferrite core)
		R3T	Thermistor (suction 1)	Z1F	Noise filter (with surge absorbed)
		R4T	Thermistor (subcool)	Z2F	Noise filter

2TW29226-1B

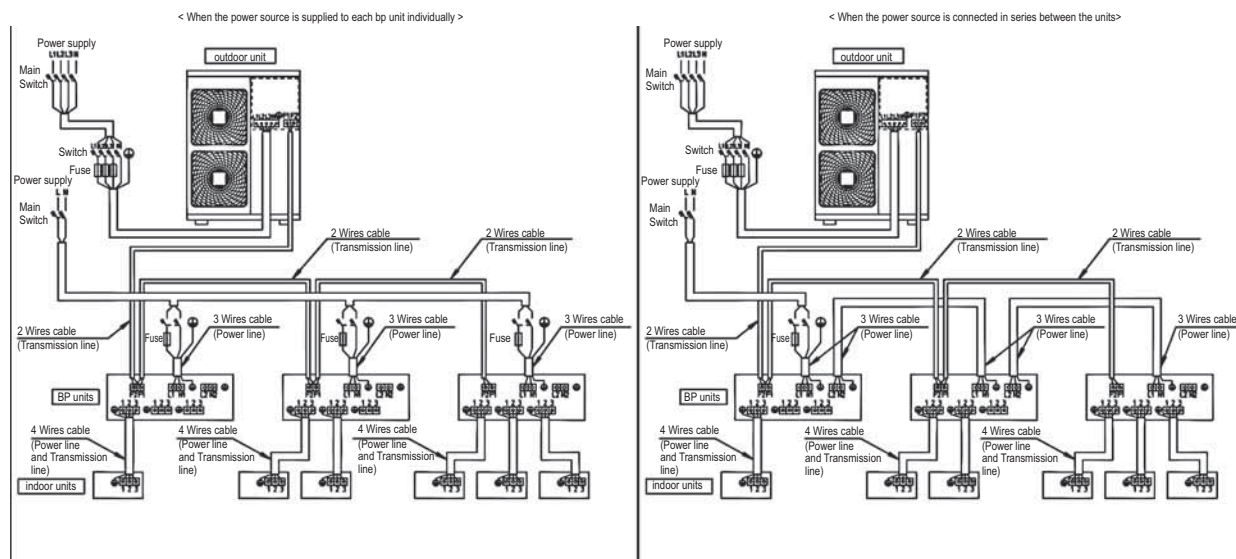
NOTES

- This wiring diagram only applies to the outdoor unit.
- L: Live, N: Neutral : Field wiring
- : Terminal strip : Connector : Movable connector : Noiseless earth
- When using the option adapter, refer to the installation manual.
- Refer to the 'Installation or service manual' on how to use BS1 ~ BS5 push button switch and DS1-1, DS1-2 dip switch.
- Do not operate the unit by short-circuiting protection device S1PH.
- Colors: BLU = BLUE, BRN = BROWN, GRN = GREEN, RED = RED, WHT = WHITE, YLW = YELLOW, ORG = ORANGE, BLK = BLACK.
- Refer to the installation manual for connection wiring to indoor - outdoor transmission F1-F2.
- When using the central control system, connect outdoor-outdoor transmission F1-F2.

9 External connection diagrams

9 - 1 External Connection Diagrams

RXYSQ-P8Y1

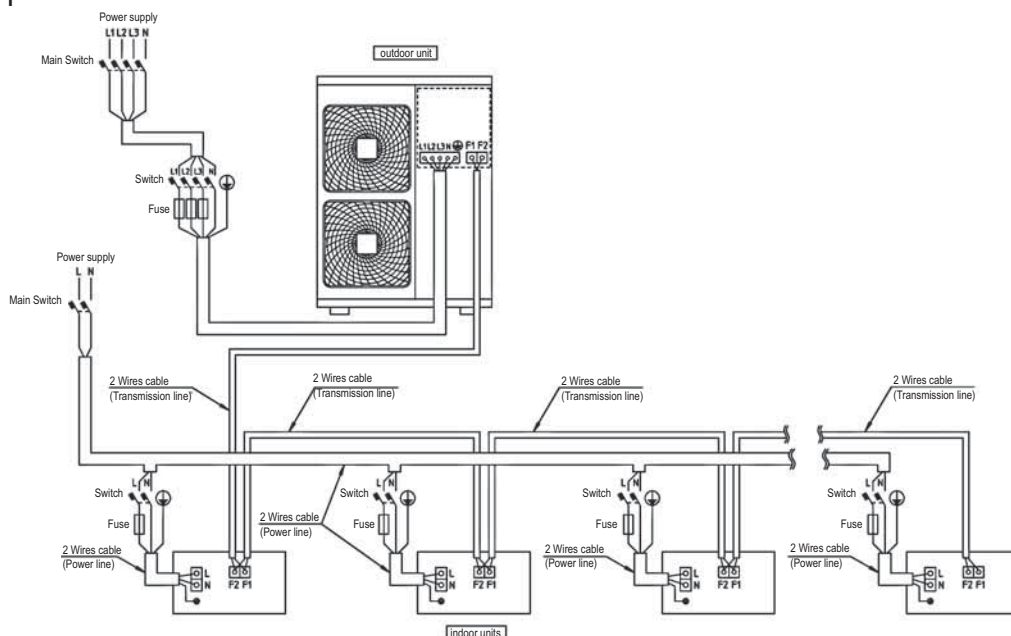


3TW33656-1

NOTES

1. All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2. Use copper conductors only.
3. As for details, see wiring diagram.
4. Install circuit breaker for safety.
5. All field wiring and components must be provided by licensed electrician.
6. Unit shall be grounded in compliance with the applicable local and national codes.
7. Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8. Be sure to install the switch and the fuse to the power line of each equipment.
9. Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10. 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.

RXYSQ-P8Y1



3TW33656-2

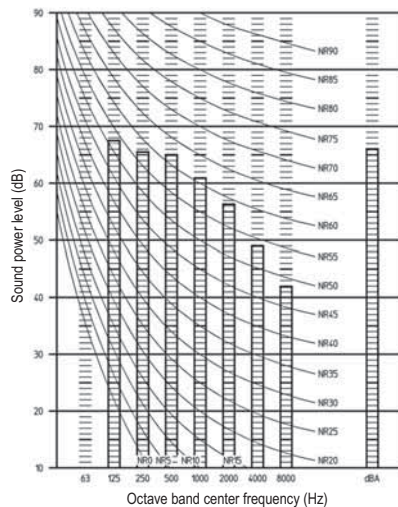
NOTES

1. All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2. Use copper conductors only.
3. As for details, see wiring diagram.
4. Install circuit breaker for safety.
5. All field wiring and components must be provided by licensed electrician.
6. Unit shall be grounded in compliance with the applicable local and national codes.
7. Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8. Be sure to install the switch and the fuse to the power line of each equipment.
9. Install the main switch that can interrupt all the power sources in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10. 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.

10 Sound data

10 - 1 Sound Power Spectrum

RXYSQ4P8Y1

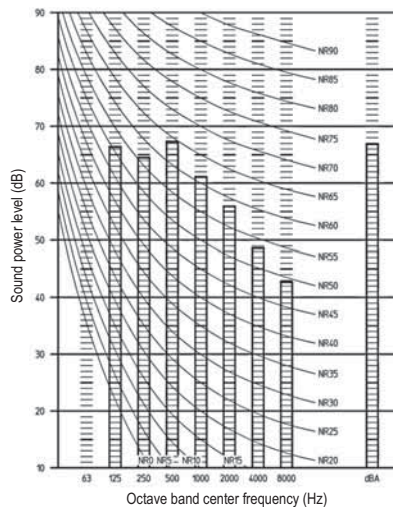


3TW29227-3

NOTES

- 1 dBA = A-weighted sound power level. (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}12\text{W/m}^2$
- 3 Measured according to ISO 3744

RXYSQ5P8Y1

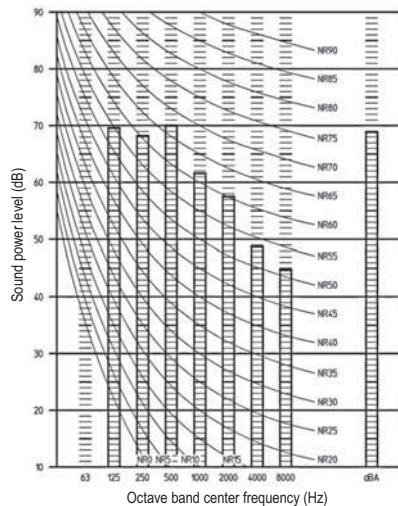


3TW29237-3

NOTES

- 1 dBA = A-weighted sound power level. (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}12\text{W/m}^2$
- 3 Measured according to ISO 3744

RXYSQ6P8Y1



3TW29247-3

NOTES

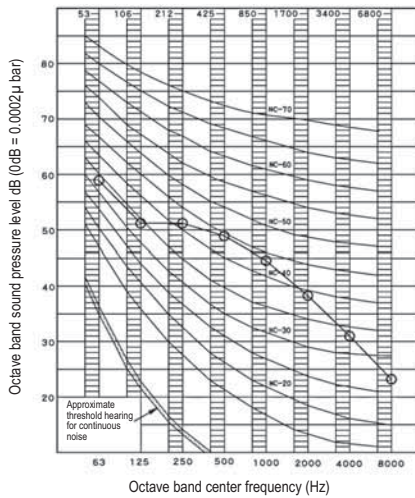
- 1 dBA = A-weighted sound power level. (A-scale according to IEC)
- 2 Reference acoustic intensity $0\text{dB} = 10\text{E-}12\text{W/m}^2$
- 3 Measured according to ISO 3744

10 Sound data

10 - 2 Sound Pressure Spectrum

10

RXYSQ4P8Y1

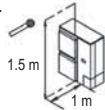


4D057920

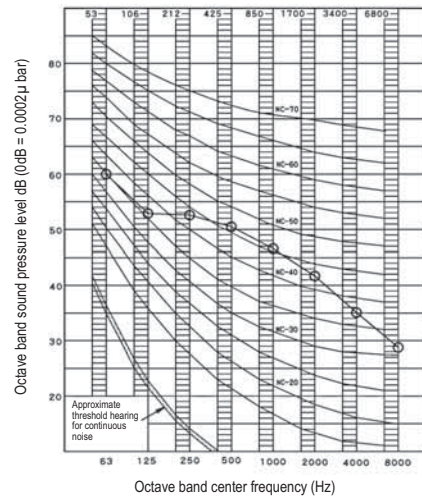
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 380-415V 50Hz
Cooling return air temperature: 27°C DB, 19°C WB
outdoor temperature: 35°C DB, 24°C WB
- Measuring place: Anechoic chamber
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- Location of microphone.

Scale	50 Hz
A	50.0
C	62.0



RXYSQ4P8Y1

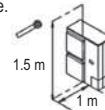


4D057923

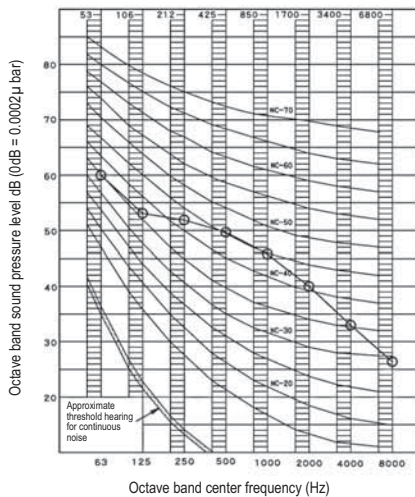
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 380-415V 50Hz
Heating return air temperature: 20°C DB
outdoor temperature: 7°C DB, 6°C WB
- Measuring place: Anechoic chamber
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- Location of microphone.

Scale	50 Hz
A	52.0
C	63.5



RXYSQ5P8Y1

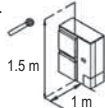


4D057921

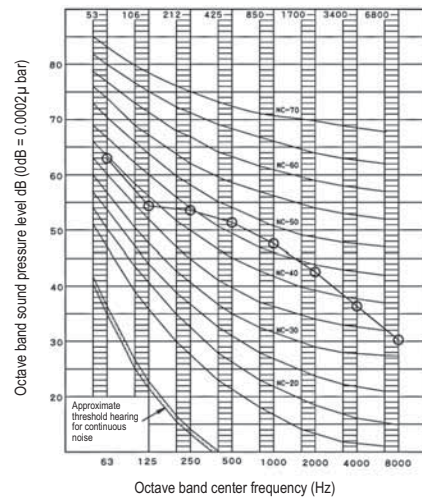
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 380-415V 50Hz
Cooling return air temperature: 27°C DB, 19°C WB
outdoor temperature: 35°C DB, 24°C WB
- Measuring place: Anechoic chamber
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- Location of microphone.

Scale	50 Hz
A	51.0
C	63.5



RXYSQ5P8Y1

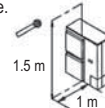


4D057924

NOTES

- Over All (dB):
(B,G,N is already rectified)
- Operating conditions:
Power source: 380-415V 50Hz
Heating return air temperature: 20°C DB
outdoor temperature: 7°C DB, 6°C WB
- Measuring place: Anechoic chamber
- The operating sound is measured in anechoic chamber, if it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.
- Location of microphone.

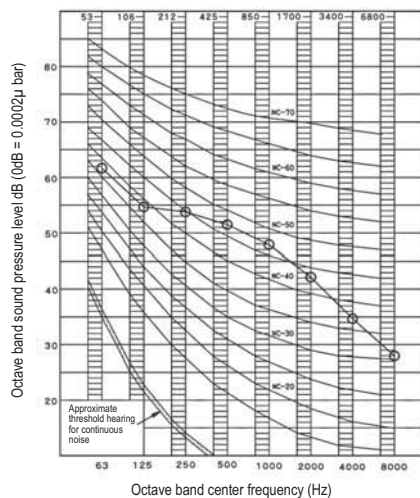
Scale	50 Hz
A	53.0
C	65.3



10 Sound data

10 - 2 Sound Pressure Spectrum

RXYSQ6P8Y1

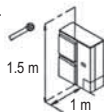


Octave band center frequency (Hz)

4D057922

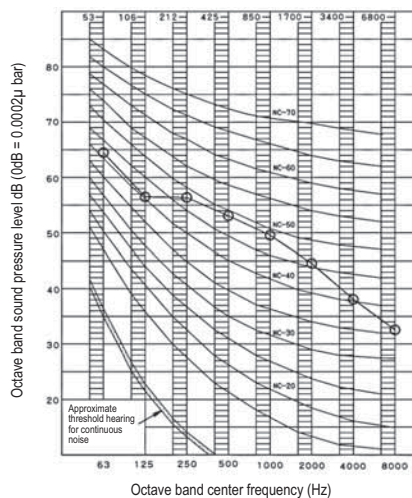
NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Operating conditions:
Power source: 380-415V 50Hz
Cooling return air temperature: 27°C DB, 19°C WB
outdoor temperature: 35°C DB, 24°C WB
- 4 Measuring place: Anechoic chamber
- 5 The operating sound is measured in anechoic chamber,
if it is measured under the actual installation conditions,
it is normally over the set value due to enviromental noise and sound reflection.
- 6 Location of microphone.



Scale	50 Hz
A	53.0
C	64.5

RXYSQ6P8Y1

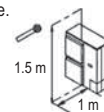


Octave band center frequency (Hz)

4D057925

NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Operating conditions:
Power source: 380-415V 50Hz
Heating return air temperature: 20°C DB
outdoor temperature: 7°C DB, 6°C WB
- 4 Measuring place: Anechoic chamber
- 5 The operating sound is measured in anechoic chamber,
if it is measured under the actual installation conditions,
it is normally over the set value due to enviromental noise and sound reflection.
- 6 Location of microphone.



Scale	50 Hz
A	55.0
C	67.0

11 Installation

11 - 1 Service Space

RXYSQ-P8Y1

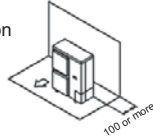
Required installation space

(The unit of these values is 'mm')

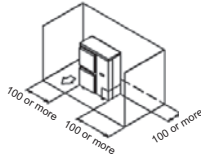
1. Where there is an obstacle on the suction side:

(a) No obstacle above

- (1) Stand-alone installation
- Obstacle on the suction side only

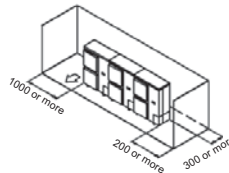


- Obstacle on both sides



(2) Series installation (2 or more)

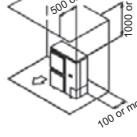
- Obstacle on both sides



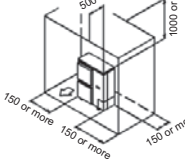
(b) Obstacle above, too

(1) Stand-alone installation

- Obstacle on the suction side, too

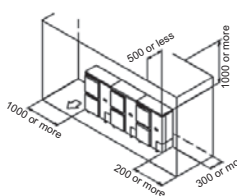


- Obstacle on the suction side and both sides



(2) Series installation (2 or more)

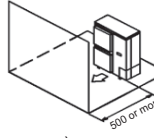
- Obstacle on the suction side and both sides



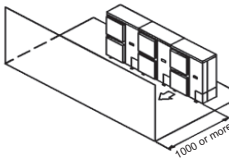
2. Where there is an obstacle on the discharge side:

(a) No obstacle above

- (1) Stand-alone installation

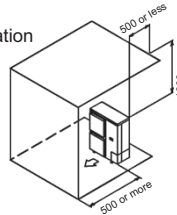


(2) Series installation (2 or more)

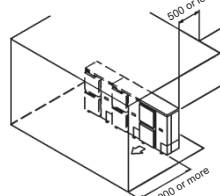


(a) Obstacle above, too

(1) Stand-alone installation



(2) Series installation (2 or more)



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

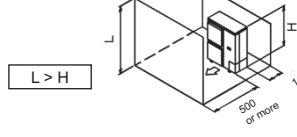
Pattern 1

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

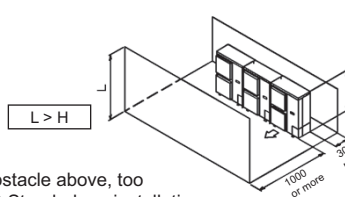
(There is no height limit for obstructions on the intake side)

(a) No obstacle above

(1) Stand-alone installation



(2) Series installation (2 or more)



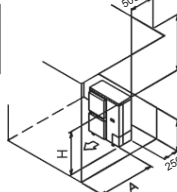
(b) Obstacle above, too

(1) Stand-alone installation

The relations between H, A and L are as follows

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

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



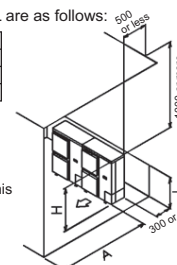
(2) Series installation (2 or more)

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

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	1000
	$1/2 H < L \leq H$	1250
$H < L$	Set the stand as: $L \leq H$	

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

Only two units can be installed for this series



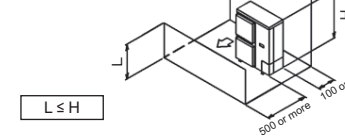
Pattern 2

Where the obstacle on the discharge side is lower than the unit:

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

(a) No obstacle above

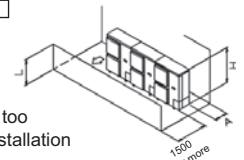
(1) Stand-alone installation



(2) Series installation (2 or more)

The relations between H, A and L are as follows

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



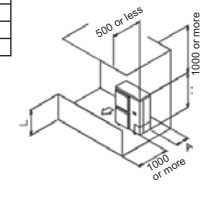
(b) Obstacle above, too

(1) Stand-alone installation

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

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

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



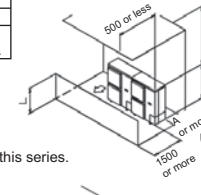
(2) Series installation

The relations between H, A and L are as follows

	L	A
$L \leq H$	$0 < L \leq 1/2 H$	100
	$1/2 H < L \leq H$	300
$H < L$	Set the stand as: $L \leq H$ Refer to the column of $L \leq H$ for A	

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

Only two units can be installed for this series.



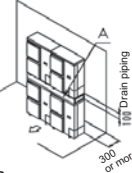
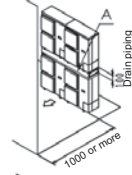
4. Double-decker installation

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

Do not stack more than two units.

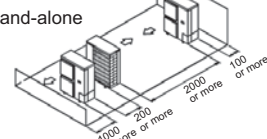
- (b) Obstacle on the suction side close the gap A (the gap between the upper and lower outdoor units) to prevent the discharged air from being bypassed.

Do not stack more than two units.



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

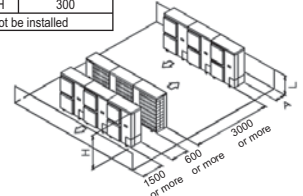
- (a) One row of stand-alone installation



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

The relations between H, A and L are as follows

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

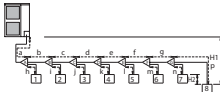
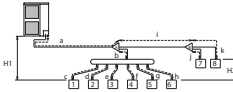
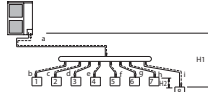


11 Installation

11 - 2 Refrigerant Pipe Selection

RXYSQ-P8Y1

11

Example of connection (Connection of 8 indoor units Heat pump system)			Branch with refnet joint		Branch with refnet joint and refnet header		Branch with refnet header													
 indoor unit  refnet joint  refnet header																				
Maximum allowable length	Between outdoor and indoor units	Actual pipe length	Pipe length between outdoor and indoor units ≤150 m		[Example] unit 6: a+b+h ≤ 150m, unit 8: a+i+k ≤150 m		[Example] unit 8: a+i ≤150 m													
		Equivalent length	Equivalent pipe length between outdoor and indoor units ≤175 m (Assume equivalent pipe length of refnet joint to be 0.5 m and of the refnet header to be 1.0 m. (for calculation purposes))																	
		Total extension length	Total piping length from outdoor unit to all indoor units between 10 m and 300 m																	
Allowable height	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1) ≤50 m (≤40 m if outdoor unit is located in a lower position).																	
	Between indoor and indoor units	Difference in height	Difference in height between adjacent indoor units (H2) ≤15 m																	
Allowable length after the branch		Actual pipe length	Pipe length from first refrigerant branch kit (either refnet joint or refnet header) to indoor unit ≤40 m		[Example] unit 6: b+h≤40 m, unit 8: i+k ≤40 m		[Example] unit 8: i ≤40 m													
Refrigerant branch kit selection			Use the following refnet joint																	
Refrigerant branch kits can only be used with R410A.			Outdoor unit capacity type		Refrigerant branch kit name		Outdoor unit capacity type													
			RXYSQ4-6		KXRO22M20T		RXYSQ4-6													
							KXRO22M29H													
Pipe size selection Caution on selecting connection pipes If the overall equivalent piping length is ≥90 m, be sure to enlarge the pipe diameter of the gas-side main piping. If the recommended pipe size is not available, stick to the original pipe diameter (which may result in a small capacity decrease). [Gas side] RXYSQ4+5: → Ø15.9 Ø19.1 RXYSQ6: → Ø19.1 Ø22.2			A. Piping between outdoor unit and refrigerant branch kit • Match to the size of the connection piping on the outdoor unit.		B. Piping between refrigerant branch kits • Use the pipe size from the following table.		C. Piping between refrigerant branch kit and indoor unit • Pipe size for direct connection to indoor unit must be the same as the connection size of indoor unit.													
 1 Main pipe (enlarge) 2 First refrigerant branch kit 3 Indoor unit			Outdoor unit connection piping size		Piping size (outer diameter x minimum thickness)		Piping size (outer diameter x minimum thickness)													
					Gas pipe		Liquid pipe													
					Ø15.9x1.0 Ø19.1x1.0 (Ø22.2x1.0)		Ø9.5x0.8													
			Outdoor unit capacity type		Gas pipe		Liquid pipe													
			RXYSQ4+5		Ø15.9x1.0 Ø19.1x1.0		Ø9.5x0.8													
			RXYSQ6		Ø19.1x1.0 (Ø22.2x1.0)		Ø9.5x0.8													
How to calculate the additional refrigerant to be charged Additional refrigerant to be charged R (kg) R should be rounded o in units of 0.1 kg			$R = \left(\frac{\text{Total length (m) of liquid piping size at } \varnothing 9.5}{\text{Total length (m) of liquid piping size at } \varnothing 6.4}} \right) \times 0.054 + \left(\frac{\text{Total length (m) of liquid piping size at } \varnothing 6.4}{\text{Total length (m) of liquid piping size at } \varnothing 6.4}} \right) \times 0.022$		Example for refrigerant branch using refnet joint and refnet header															
					<table><tr><td>a: Ø9.5x3 m</td><td>d: Ø9.5x13 m</td><td>g: Ø6.4x10 m</td><td>j: Ø6.4x10 m</td></tr><tr><td>b: Ø9.5x10 m</td><td>e: Ø6.4x10 m</td><td>h: Ø6.4x20 m</td><td>k: Ø6.4x9 m</td></tr><tr><td>c: Ø9.5x10 m</td><td>f: Ø6.4x10 m</td><td>i: Ø9.5x10 m</td><td></td></tr></table>				a: Ø9.5x3 m	d: Ø9.5x13 m	g: Ø6.4x10 m	j: Ø6.4x10 m	b: Ø9.5x10 m	e: Ø6.4x10 m	h: Ø6.4x20 m	k: Ø6.4x9 m	c: Ø9.5x10 m	f: Ø6.4x10 m	i: Ø9.5x10 m	
a: Ø9.5x3 m	d: Ø9.5x13 m	g: Ø6.4x10 m	j: Ø6.4x10 m																	
b: Ø9.5x10 m	e: Ø6.4x10 m	h: Ø6.4x20 m	k: Ø6.4x9 m																	
c: Ø9.5x10 m	f: Ø6.4x10 m	i: Ø9.5x10 m																		
					$R = [73 \times 0.054] + [69 \times 0.022] = 5.46 \Rightarrow 5.5 \text{ kg}$															

4PW66304-1

RXYSQ-P8Y1B

Example of connection (Connection of 8 indoor units Heat pump system)			Branch with refnet joint		Branch with refnet joint and refnet header		Branch with refnet header															
Maximum allowable length	Between outdoor and indoor units	Actual pipe length	Pipe length between outdoor and indoor units ≤150 m [Example] unit 8: a+b+c+d+e+f+g+p ≤150 m		[Example] unit 6: a+b+h ≤ 150m, unit 8: a+i+k ≤150 m		[Example] unit 8: a+i ≤150 m															
		Equivalent length	Equivalent pipe length between outdoor and indoor units ≤175 m (Assume equivalent pipe length of refnet joint to be 0.5 m and of the refnet header to be 1.0 m. (for calculation purposes))																			
		Total extension length	Total piping length from outdoor unit to all indoor units between 10 m and 300 m																			
Allowable height	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1) ≤50 m (≤40 m if outdoor unit is located in a lower position).																			
	Between indoor and indoor units	Difference in height	Difference in height between adjacent indoor units (H2) ≤15 m																			
Allowable length after the branch		Actual pipe length	Pipe length from first refrigerant branch kit (either refnet joint or refnet header) to indoor unit ≤40 m [Example] unit 8: b+c+d+e+f+g+p ≤40 m		[Example] unit 6: b+h40 m, unit 8: i+k ≤40 m		[Example] unit 8: i ≤40 m															
Refrigerant branch kit selection			Use the following refnet joint																			
Refrigerant branch kits can only be used with R410A.			Outdoor unit capacity type		Refrigerant branch kit name		Outdoor unit capacity type															
			RXYSQ4-6		KHRQ22M20T		RXYSQ4-6															
Pipe size selection Caution on selecting connection pipes If the overall equivalent piping length is ≥90 m, be sure to enlarge the pipe diameter of the gas-side main piping. If the recommended pipe size is not available, stick to the original pipe diameter (which may result in a small capacity decrease). [Gas side] RXYSQ4+5: → Ø15.9 Ø19.1 RXYSQ6: → Ø19.1 Ø22.2			A. Piping between outdoor unit and refrigerant branch kit • Match to the size of the connection piping on the outdoor unit.		B. Piping between refrigerant branch kits • Use the pipe size from the following table.		C. Piping between refrigerant branch kit and indoor unit • Pipe size for direct connection to indoor unit must be the same as the connection size of indoor unit.															
 1 Main pipe (enlarge) 2 First refrigerant branch kit 3 Indoor unit			Outdoor unit connection piping size		Piping size (outer diameter x minimum thickness)		Piping size (outer diameter x minimum thickness)															
					<table><tr><th>Outdoor unit capacity type</th><th>Gas pipe</th><th>Liquid pipe</th></tr><tr><td>RXYSQ4+5</td><td>Ø15.9x1.0 (Ø19.1x1.0)</td><td rowspan="2">Ø9.5x0.8</td></tr><tr><td>RXYSQ6</td><td>Ø19.1x1.0 (Ø22.2x1.0)</td></tr></table>		Outdoor unit capacity type	Gas pipe	Liquid pipe	RXYSQ4+5	Ø15.9x1.0 (Ø19.1x1.0)	Ø9.5x0.8	RXYSQ6	Ø19.1x1.0 (Ø22.2x1.0)	<table><tr><th>Indoor capacity index</th><th>Gas pipe</th><th>Liquid pipe</th></tr><tr><td>20+25+32+40+50</td><td>Ø12.7x0.8</td><td>Ø6.4x0.8</td></tr><tr><td>63+80+100+125</td><td>Ø15.9x1.0</td><td>Ø9.5x0.8</td></tr></table>		Indoor capacity index	Gas pipe	Liquid pipe	20+25+32+40+50	Ø12.7x0.8	Ø6.4x0.8
Outdoor unit capacity type	Gas pipe	Liquid pipe																				
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Indoor capacity index	Gas pipe	Liquid pipe																				
20+25+32+40+50	Ø12.7x0.8	Ø6.4x0.8																				
63+80+100+125	Ø15.9x1.0	Ø9.5x0.8																				
How to calculate the additional refrigerant to be charged Additional refrigerant to be charged R (kg) R should be rounded in units of 0.1 kg			$R = \left(\frac{\text{Total length (m) of liquid piping size at } \varnothing 9.5}{\text{Total length (m) of liquid piping size at } \varnothing 6.4}} \right) \times 0.054 + \left(\frac{\text{Total length (m) of liquid piping size at } \varnothing 6.4}{\text{Total length (m) of liquid piping size at } \varnothing 6.4}} \right) \times 0.022$		Example for refrigerant branch using refnet joint and refnet header <table><tr><td>a: Ø9.5x3 m</td><td>d: Ø9.5x13 m</td><td>g: Ø6.4x10 m</td><td>j: Ø6.4x10 m</td></tr><tr><td>b: Ø9.5x10 m</td><td>e: Ø6.4x10 m</td><td>h: Ø6.4x20 m</td><td>k: Ø6.4x9 m</td></tr><tr><td>c: Ø9.5x10 m</td><td>f: Ø6.4x10 m</td><td>i: Ø9.5x10 m</td><td></td></tr></table> $R = [73 \times 0.054] + [69 \times 0.022] = 5.46 \rightarrow 5.5 \text{ kg}$				a: Ø9.5x3 m	d: Ø9.5x13 m	g: Ø6.4x10 m	j: Ø6.4x10 m	b: Ø9.5x10 m	e: Ø6.4x10 m	h: Ø6.4x20 m	k: Ø6.4x9 m	c: Ø9.5x10 m	f: Ø6.4x10 m	i: Ø9.5x10 m			
a: Ø9.5x3 m	d: Ø9.5x13 m	g: Ø6.4x10 m	j: Ø6.4x10 m																			
b: Ø9.5x10 m	e: Ø6.4x10 m	h: Ø6.4x20 m	k: Ø6.4x9 m																			
c: Ø9.5x10 m	f: Ø6.4x10 m	i: Ø9.5x10 m																				

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11 Installation

11 - 2 Refrigerant Pipe Selection

11

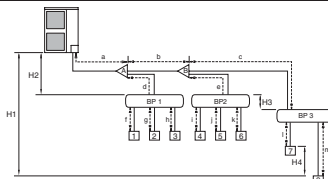
RXYSQ-P8Y1B

Example of connection
(Connection of 8 units heat pump system)

- indoor unit
- ◁ refrigerant branch kit (refnet joint)
- BP-1 BP unit

NOTE The refrigerant branch kits must be positioned as close to the BP units as possible (c, d, e must be as short as possible).

Branch with refnet joint



Maximum allowable length	Between outdoor and BP units	Total pipe length	Pipe length between outdoor and BP units ≤55 m [Example] 3 BP units: a+b+c+d+e≤55 m
	Between BP and indoor units	Total pipe length	Piping length between BP and indoor units: RXYSQ4≤60 m, RXYSQ5≤80 m, RXYSQ6≤90 m [Example] RXYSQ5: f+g+h+i+j+k+l+m≤80 m
	Between BP and an indoor unit	1 room length	Pipe length between BP and an indoor unit: ≤15 m [Example] f, g, h, i, j, k, l, m≤15 m
Minimum allowable length(*)	Between outdoor unit and the first refrigerant branch kit	Pipe length	Pipe length between outdoor unit and first refrigerant branch kit: ≥5 m [Example] a≥5 m
	Between outdoor and indoor units	Difference in height	Difference in height between outdoor and indoor units (H1)≤30 m
Allowable height	Between outdoor and BP units	Difference in height	Difference in height between outdoor and BP units (H2)≤30 m
	Between BP and BP units	Difference in height	Difference in height between BP and BP units (H3)≤15 m
	Between indoor and indoor units	Difference in height	Difference in height between indoor and indoor units (H4)≤15 m
Allowable length after the branch	Pipe length		Pipe length from first refrigerant branch kit (refnet joint) to indoor unit ≤40 m [Example] unit 8: b+c+m≤40 m [Example] unit 6: b+e+k≤40 m [Example] unit 3: d+h≤40 m
	Refrigerant branch kit selection		Refrigerant branch kits can only be used with R410A.
			Use the following refnet joint: KHRQ22M20T.

(*) The refrigerant sound from the outdoor unit can be transmitted.

Pipe size selection

Symbol	Piping size (outer diameter x minimum thickness)	
	Gas pipe	Liquid pipe
Between outdoor and first refrigerant branch kit	a	Ø19.1x1.0
Between refrigerant branch kit and refrigerant branch kit	b	Ø15.9x1.0
Between refrigerant branch kit and BP unit	c, d, e	Total indoor capacity Q
		Qc, Qd, Qe ≤5.0 kW
		Qc, Qd, Qe >5.0 kW
		Gas pipe
		Liquid pipe
		Ø12.7x0.8
		Ø6.4x0.8
		Ø15.9x1.0
		Ø9.5x0.8

NOTE ■ Qc, Qd, Qe is total connected indoor capacity.
■ c, d, e indicates the symbols in the figure.

Example

Indoor 4: 2.5 kW
Indoor 5: 3.5 kW
Indoor 6: 5.0 kW
} Qe=11.0 kW
■ (Gas pipe) Ø15.9x1.0 and (liquid pipe) Ø9.5x0.8

How to calculate the additional refrigerant to be charged

Additional refrigerant to be charged R (kg)
R should be rounded off in units of 0.1 kg

$$R = \left(\text{Total length (m) of liquid piping size at } \varnothing 9.5 \right) \times 0.054 + \left(\text{Total length (m) of liquid piping size at } \varnothing 6.4 \right) \times 0.022$$

Example for refrigerant branch using refnet joint

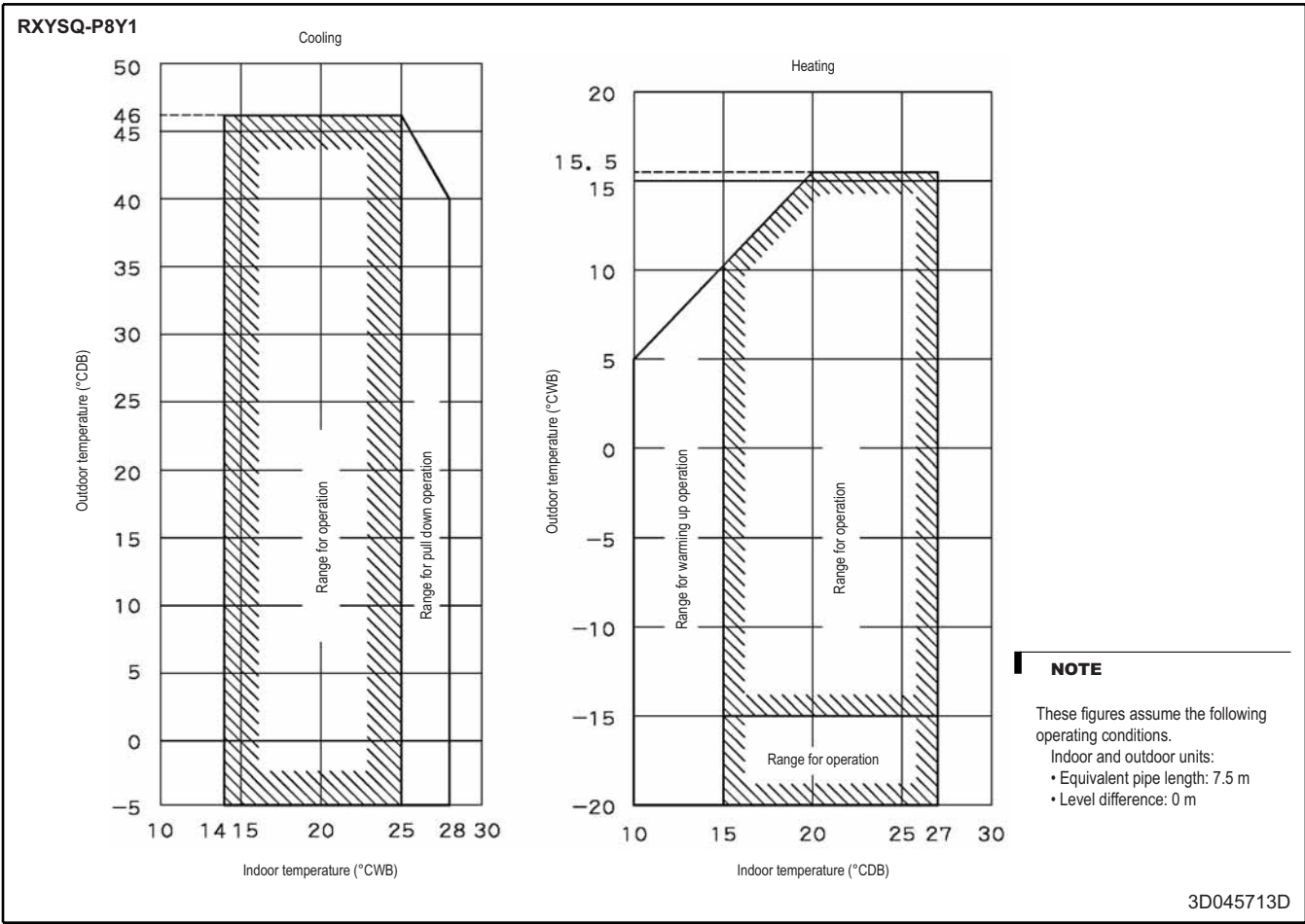
a: Ø9.5x10 m	d: Ø9.5x10 m	g: Ø6.4x10 m	j: Ø6.4x10 m	m: Ø6.4x8 m
b: Ø9.5x10 m	e: Ø9.5x10 m	h: Ø6.4x10 m	k: Ø6.4x5 m	
c: Ø6.4x10 m	f: Ø6.4x10 m	i: Ø6.4x10 m	l: Ø6.4x5 m	

$$R = [40 \times 0.054] + [78 \times 0.022] = 3.876 \Rightarrow 3.9 \text{ kg}$$

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12 Operation range

12 - 1 Operation Range





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 wider range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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