

Air Conditioning
Technical Data

RZQG-L(8)Y1



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RZQG-L(8)Y1

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1 Features

Industry leading technology for commercial applications and even for technical rooms

- Top efficiency: - energy labels up to A++ in both cooling and heating - compressor that offers substantial efficiency improvements - control logic that optimises efficiency at the most frequently encountered operating conditions and that optimises the auxiliary modes (when the unit is not active) - heat exchangers that optimise the refrigerant flow at the most frequent operating conditions (temperature and load) - via improved nominal performances
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- Suits high sensible, infrastructure cooling applications
- Replace existing R-22 or R-407C systems without having to replace the piping
- Extended operation range down to -20°C in heating and down to -15°C in cooling
- With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature
- Maximum piping length up to 75m, minimum piping length is 5m.
- Outdoor units for pair, twin, triple, double twin application
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Units optimized for seasonal efficiency give an indication on how efficient an air conditioner operates over an entire heating or cooling season.



Infrastructure cooling



Inverter



Auto cooling-heating changeover

2 Specifications

2-1 Capacity and Power input					FAQ71C9/RZQG71L8Y1	FAQ100C9/RZQG100L8Y1	FAQ100C9/RZQG71L8Y1
Cooling capacity	Nom.			kW	6.8	9.5	-
Heating capacity	Nom.			kW	7.5	10.8	-
Power input	Cooling	Nom.	kW		2.00	2.63	-
	Heating	Nom.	kW		2.03	3.00	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		
		Pdesign		kW	6.80	9.50	6.80
		SEER			6.43	6.11	6.51
		Annual energy consumption		kWh	371	545	366
	Heating (Average climate)	Energy label			A+		
		Pdesign		kW	6.33	10.20	6.33
		SCOP/A			4.02	4.01	4.02
		Annual energy consumption		kWh	2,205	3,562	2,205
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	66	64
	Sound power level indoor	Cooling	Nom.	dBA	61	65	
Nominal efficiency	EER				3.40	3.62	-
	COP				3.70	3.61	-
	Annual energy consumption			kWh	1,000 (1)	1,315	-
	Energy label	Cooling			A		-
		Heating			A		-

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

Annual energy consumption is according to Energy labeling directive 2002/31/EC

SEER and SCOP are according to EN 14825

EER/COP according to Eurovent 2012, for use outside EU only

2-2 Capacity and Power input				FBQ71D/ RZQG71L8Y1	FBQ100D/ RZQG100L8Y1	FBQ125D/ RZQG125L8Y1	FBQ140D/ RZQG140LY1	FBQ100D/ RZQG71L8Y1	FBQ140D/ RZQG100L8Y1	FBQ140D/ RZQG125L8Y1
Indoor unit				FBQ71D	FBQ100D	FBQ125D	FBQ140D	FBQ100D	FBQ140D	
Outdoor unit				RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140L8Y1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1
Cooling capacity	Nom.		kW	6.8 (1)	9.5 (1)	12.0 (1)	13.4 (1)	-		
Heating capacity	Nom.		kW	7.50 (1)	10.80 (1)	13.50 (1)	15.50 (1)	-		
Power input	Cooling	Nom.	kW	1.89 (1)	2.49 (1)	3.63 (1)	4.00 (1)	-		
	Heating	Nom.	kW	1.87 (1)	2.45 (1)	3.46 (1)	4.31 (1)	-		
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	A+	A++	-	A++	A+	A++
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00
		SEER		6.16	5.87	6.11	-	6.16	5.87	6.11
		Annual energy consumption	kWh	386	566	687	-	386	566	687
	Heating (Average climate)	Energy label		A+	A++	A+	-	A+	A++	A+
		Pdesign	kW	6.00	11.30	12.70	-	6.00	11.30	12.70
		SCOP/A		4.31	4.78	4.28	-	4.31	4.78	4.28
		Annual energy consumption	kWh	1,949	3,310	4,154	-	1,949	3,310	4,154
Nominal efficiency	EER			3.60 (2)	3.81 (2)	3.31 (2)	3.35 (2)	-		
	COP			4.01 (2)	4.41 (2)	3.90 (2)	3.60 (2)	-		
	Annual energy consumption		kWh	944	1,247	1,813	-			
	Energy label	Cooling		A			-			
		Heating		A			-			

2 Specifications

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(2) EER/COP according to Eurovent 2012, for use outside EU only

2

2-3 Capacity and Power input					FCQG71F/ RZQG71L8Y1	FCQG100F/ RZQG100L8Y1	FCQG125F/ RZQG125L8Y1	FCQG100F/ RZQG71L8Y1	FCQG140F/ RZQG100L8Y1	FCQG140F/ RZQG140LY1	FCQG140F/ RZQG125L8Y1
Indoor unit					FCQG71F	FCQG100F	FCQG125F	FCQG100F	FCQG140F		
Outdoor unit					RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG71L8Y1	RZQG100L8Y1	RZQG140LY1	RZQG125L8Y1
Cooling capacity	Nom.			kW	6.8	9.5	12.0	-		13.4	-
Heating capacity	Nom.			kW	7.5	10.8	13.5	-		15.5	-
Power input	Cooling	Nom.	kW	2.01	2.45	3.22	-		4.17		-
	Heating	Nom.	kW	1.89	2.60	3.72	-		4.30		-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	A++		-	A+
		Pdesign	kW	6.80	9.5	12	6.80	9.50	-	12.00	
		SEER			6.72	6.8	6	6.80		-	6.00
		Annual energy consumption	kWh	355	489	700	350	489	-	700	
	Heating (Average climate)	Energy label			A+	A++	A+		A++	-	A+
		Pdesign	kW	6.33	11.3	12.66	6.33	11.30	-	12.66	
		SCOP/A			4.20	4.61	4.1	4.20	4.61	-	4.10
		Annual energy consumption	kWh	2,110	3,432	4,323	2,110	3,432	-	4,323	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	-					
	Sound power level indoor	Cooling	Nom.	dBA	51	-					
Nominal efficiency	EER				3.39	3.87	3.73	-		3.21	-
	COP				3.97	4.15	3.63	-		3.61	-
	Annual energy consumption			kWh	1,005	1,225	1,610	-			
	Energy label	Cooling			A			-			
		Heating			A			-			

Notes

Annual energy consumption is according to Energy labeling directive 2002/31/EC

SEER and SCOP are according to EN 14825

EER/COP according to Eurovent 2012, for use outside EU only

Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

2-4 Capacity and Power input				FCQHG71F/ RZQG71L8Y1	FCQHG100F/ RZQG100L8Y1	FCQHG125F/ RZQG125L8Y1	FCQHG140F/ RZQG140LY1	FCQHG100F/ RZQG71L8Y1	FCQHG140F/ RZQG100L8Y1	FCQHG140F/ RZQG125L8Y1
Indoor unit				FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG140F	
Outdoor unit				RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1
Cooling capacity	Nom.	kW		6.80	9.5	12.0	13.4	-		
Heating capacity	Nom.	kW		7.5	10.8	13.5	15.5	-		
Power input	Cooling	Nom.	kW	1.66	2.15	3.00	4.00	-		
	Heating	Nom.	kW	1.56	2.16	3.07	3.77	-		

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2 Specifications

2-4 Capacity and Power input					FCQHG71F/ RZQG71L8Y1	FCQHG100F/ RZQG100L8Y 1	FCQHG125F/ RZQG125L8Y 1	FCQHG140F/ RZQG140LY1	FCQHG100F/ RZQG71L8Y1	FCQHG140F/ RZQG100L8Y 1	FCQHG140F/ RZQG125L8Y 1
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++			-	A++		
		Pdesign	kW		6.80	9.5	12	-	6.80	9.50	12.00
		SEER			6.91	7	6.61	-	7.00		6.61
		Annual energy consumption	kWh		345	475	636	-	340	475	636
	Heating (Average climate)	Energy label			A+	A++		-	A+	A++	
		Pdesign	kW		7.60	11.3	12.66	-	7.60	11.30	12.66
		SCOP/A			4.54	4.8	4.63	-	4.54	4.80	4.63
		Annual energy consumption	kWh		2,344	3,296	3,829	-	2,344	3,296	3,829
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	-					
	Sound power level indoor	Cooling	Nom.	dBA	53	-					
Nominal efficiency	EER				4.09	4.42	4.00	3.35	-		
	COP				4.80	4.99	4.40	4.12	-		
	Annual energy consumption			kWh	830	1,075	1,500	-			
	Energy label	Cooling			A			-			
		Heating			A			-			

Notes

Annual energy consumption is according to Energy labeling directive 2002/31/EC

SEER and SCOP are according to EN 14825

EER/COP according to Eurovent 2012, for use outside EU only

Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

2-5 Capacity and Power input				FDQ125C/RZQG125L8Y1	
Indoor unit				FDQ125C	
Outdoor unit				RZQG125L8Y1	
Cooling capacity	Nom.		kW	12.0	
Heating capacity	Nom.		kW	13.5	
Power input	Cooling	Nom.	kW	3.20	
	Heating	Nom.	kW	3.53	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	
		Pdesign	kW	12	
		SEER		5.81	
		Annual energy consumption	kWh	723	
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	12.71	
		SCOP/A		4.21	
		Annual energy consumption	kWh	4,227	
Nominal efficiency	EER			3.75	
	COP			3.83	
	Annual energy consumption		kWh	1,600	
	Energy label	Cooling		A	
		Heating		A	

Notes

EER/COP according to Eurovent 2012, for use outside EU only

Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

2 Specifications

2

2-6 Capacity and Power input					FHQ71CB/ RZQG71L8Y1	FHQ100CB/ RZQG100L8Y 1	FHQ125CB/ RZQG125L8Y 1	FHQ140CB/ RZQG140LY1	FHQ100CB/ RZQG71L8Y1	FHQ140CB/ RZQG100L8Y 1	FHQ140CB/ RZQG125L8Y 1
Cooling capacity	Nom.			kW	6.8	9.5	12.0	13.4	-		
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	-		
Power input	Cooling	Nom.		kW	1.78	2.49	3.58	4.05	-		
	Heating	Nom.		kW	1.82	2.60	3.48	4.27	-		
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	-					
		Pdesign		kW	6.80	9.50	12.00	-	6.80	9.50	12.00
		SEER			6.86	6.11	6.01	-	6.95	6.11	6.01
		Annual energy consumption		kWh	347	545	699	-	343	545	699
	Heating (Average climate)	Energy label			A+	-					
		Pdesign		kW	7.60	11.30	14.13	-	7.60	11.30	14.13
		SCOP/A			4.32	4.61	4.23	-	4.32	4.61	4.23
		Annual energy consumption		kWh	2,463	3,432	4,677	-	2,463	3,432	4,677
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	66	67	-	64	66	67
	Sound power level indoor	Cooling	Nom.	dBA	55	60	62	-	60	64	
Nominal efficiency	EER				3.82	3.81	3.35	3.31	-		
	COP				4.13	4.15	3.89	3.63	-		
	Annual energy consumption			kWh	890 (1)	1,245 (1)	1,790 (1)	2,025 (1)	-		
	Energy label	Cooling			A	-					
		Heating			A	-					

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

Annual energy consumption is according to Energy labeling directive 2002/31/EC

SEER and SCOP are according to EN 14825

EER/COP according to Eurovent 2012, for use outside EU only

2-7 Capacity and Power input					FUQ71C/RZQG71L8Y1	FUQ100C/RZQG71L8Y1	FUQ125C/RZQG125L8Y1	FUQ100C/RZQG100L8Y1
Indoor unit					FUQ71C		FUQ100C	
Outdoor unit					RZQG71L8Y1		RZQG125L8Y1	
Cooling capacity	Nom.			kW	6.8	-	12.0	9.5
Heating capacity	Nom.			kW	7.5	-	13.5	10.8
Power input	Cooling	Nom.		kW	1.68	-	3.54	2.46
	Heating	Nom.		kW	1.84	-	3.95	2.73
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++		A+	A++
		Pdesign		kW	6.80		12	9.5
		SEER			6.42	6.50	5.61	6.11
		Annual energy consumption		kWh	371	367	749	545
	Heating (Average climate)	Energy label			A+			
		Pdesign		kW	7.60		14.13	11.3
		SCOP/A			4.20		4.44	4.5
		Annual energy consumption		kWh	2,534		4,456	3,516
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	-		
	Sound power level indoor	Cooling	Nom.	dBA	59	-		
Nominal efficiency	EER				4.05	-	3.39	3.86
	COP				4.08	-	3.42	3.95
	Annual energy consumption				kWh	840 (1)	1,770	1,230
	Energy label	Cooling			A	-	A	
		Heating			A	-	B	A

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2 Specifications

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

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EER/COP according to Eurovent 2012, for use outside EU only

2-8 Capacity and Power input					FVQ71C/ RZQG71L8Y1	FVQ100C/ RZQG100L8Y1	FVQ125C/ RZQG125L8Y1	FVQ140C/ RZQG140LY1	FVQ100C/ RZQG71L8Y1	FVQ140C/ RZQG100L8Y1	FVQ140C/ RZQG125L8Y1
Indoor unit					FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ100C	FVQ140C	
Outdoor unit					RZQG71L8 Y1	RZQG100L 8Y1	RZQG125L 8Y1	RZQG140L Y1	RZQG71L8 Y1	RZQG100L 8Y1	RZQG125L 8Y1
Cooling capacity	Nom.		kW	6.8	9.5	12.0	13.4	-			
Heating capacity	Nom.		kW	7.5	10.8	13.5	15.5	-			
Power input	Cooling	Nom.	kW	2.02	2.49	3.74	4.17	-			
	Heating	Nom.	kW	2.06	2.61	3.65	4.30	-			
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	A+		-	A++	A+		
		Pdesign	kW	6.80	9.5	12	-	6.80	9.50	12.00	
		SEER		6.23	5.61		-	6.31	5.61		
		Annual energy consumption	kWh	383	593	749	-	378	593	749	
	Heating (Average climate)	Energy label		A+		A		-	A+		A
		Pdesign	kW	6.33	11.3		-	6.33	11.30		
		SCOP/A		4.05	4.2	3.87	-	4.05	4.20	3.87	
		Annual energy consumption	kWh	2,189	3,767	4,088	-	2,189	3,767	4,088	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	64	-					
	Sound power level indoor	Cooling	Nom.	dBA	55	-					
Nominal efficiency	EER			3.37	3.81	3.21		-			
	COP			3.64	4.14	3.70	3.61	-			
	Annual energy consumption		kWh	1,010 (1)	1,245	1,870	2,085	-			
	Energy label	Cooling		A				-			
		Heating		A				-			

Notes

(1) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

Annual energy consumption is according to Energy labeling directive 2002/31/EC

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EER/COP according to Eurovent 2012, for use outside EU only

2-9 Technical Specifications				RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Capacity control	Method			Inverter controlled			
Casing	Colour			Ivory white			
	Material			Painted galvanized steel plate			
Dimensions	Unit	Height	mm	990	1,430		
		Width	mm	940			
		Depth	mm	320			
	Packed unit	Height	mm	1,170	1,610		
		Width	mm	1,015			
		Depth	mm	422			
Weight	Unit		kg	80	101		
	Packed unit		kg	87	110		
Heat exchanger	Fin	Type		WF fin			
		Treatment		Anti-corrosion treatment (PE)			

2 Specifications

2-9 Technical Specifications					RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1	
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
	Starting method				Inverter driven				
Fan	Type				Propeller fan				
	Discharge direction				Horizontal				
	Quantity				1	2			
	Air flow rate	Cooling	Nom.	m³/min	59	70		84	
		Heating	Nom.	m³/min	49	62			
Fan motor	Quantity				1	2			
	Model				Brushless DC motor				
	Output			W	94				
	Drive				Direct drive				
	Speed	Cooling	Super low	rpm	-				
		Heating	Super low	rpm	-				
	Sound power level	Cooling			dBA	64	66	67	69
Heating			dBA	-					
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	
	Heating	Nom.		dBA	50	52	53		
	Night quiet mode	Level 1		dBA	43	45			
Operation range	Cooling	Ambient	Min.	°CDB	-15				
			Max.	°CDB	50				
	Heating	Ambient	Min.	°CWB	-20				
			Max.	°CWB	15.5				
Refrigerant	Type				R-410A				
	Charge			kg	2.9	4.0			
				TCO _{2eq}	6.1	8.4			
	Control				Expansion valve (electronic type)				
	GWP				2,087.5				
	Circuits	Quantity			1				
Piping connections	Liquid	Quantity			1				
		Type			Flare connection				
		OD	mm		9.52				
	Gas	Quantity			1				
		Type			Flare connection				
		OD	mm		15.9				
	Drain	Quantity			5				
		Type			Hole				
		ID	mm		-				
		OD	mm		26				
	Piping length	OU - IU	Min.	m	5 (1)				
			Max.	m	50	75			
		System	Equivalent	m	70	90			
			Chargeless	m	30				
	Additional refrigerant charge				kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30.0				
IU - IU		Max.	m	0.5					
Heat insulation				Both liquid and gas pipes					
Refrigerant oil	Type				FVC50K				
	Charged volume			l	0.9	1.35			
Defrost method					Reversed cycle				
Defrost control					Sensor for outdoor heat exchanger temperature				
Safety devices	Item	01			High pressure switch				
		02			Fan driver overload protector				
		03			Fuse				

2 Specifications

Standard Accessories : Tie-wraps; Quantity : 2;

Standard Accessories : Installation manual; Quantity : 1;

2-10 Electrical Specifications				RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Power supply	Name			Y1			
	Phase			3N~			
	Frequency		Hz	50			
	Voltage		V	380-415			
	Voltage range	Min.	%	10			
		Max.	%	10			
Current - 50Hz	Maximum fuse amps (MFA)		A	16	25		
Current	Zmax	List		Complies to EN61000-3-11			
	Recommended fuses		A	16	25		
Current - 60Hz	Maximum fuse amps (MFA)		A	-			
Wiring connections	For power supply	Remark		See installation manual outdoor unit			
	For connection with indoor	Remark		See installation manual outdoor unit			
Power supply intake				Outdoor unit only			

Notes

(1) 3 with re-charging

PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC

See separate drawing for electrical data

Contains fluorinated greenhouse gases

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

3 Electrical data

3 - 1 Electrical Data

3

RZQG100-125L8Y1

Unit combination		Minimum Ssc value [kVA]
FFQ35B9V1B	x3	936
FFQ50B9V1B	x2	951
FHQ35BWV1B	x3	977
FHQ50BWV1B	x2	936
FBQ35C8VEB	x3	1092
FBQ50C8VEB	x2	1014
FCQG35FVEB	x3	915
FCQG50FVEB	x2	899
FBQ100C8VEB	x1	962
FCQG100FVEB	x1	905
FCQHG100FVEB	x1	941
FAQ100CVEB	x1	884
FVQ100CVEB	x1	936
FHQG100CVEB	x1	936
FUQ100BWV1B	x1	925
FFQ35B9V1B	x4	962
FFQ50B9V1B	x3	993
FFQ60B9V1B	x2	951
FHQ35BWV1B	x4	1014
FHQ50BWV1B	x3	977
FHQ60BWV1B	x2	936
FBQ35C8VEB	x4	1170
FBQ50C8VEB	x3	1092
FBQ60C8VEB	x2	1003
FCQG35FVEB	x4	936
FCQG50FVEB	x3	915
FCQG60FVEB	x2	899
FBQ125C8VEB	x1	993
FCQG125FVEB	x1	925
FCQHG125FVEB	x1	951
FVQ125CVEB	x1	936
FHQG125CVEB	x1	962
FUQ125BWV1B	x1	925
FDQ125C7VEB	x1	993

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NOTES

- In accordance with EN/IEC 61000-3-12⁽¹⁾, it may be necessary to consult the distribution network operator to ensure that the equipment is connected only to a supply with $S_{sc}^{(2)} \geq$ minimum Ssc value.

- ⁽¹⁾ European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and $\leq$ 75A per phase.

- ⁽²⁾ Short-circuit power

3 Electrical data

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RZQG71-100L8Y1

							Compressor		OFM		IFM		
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQG71EVEB		RZQG71L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum: 456 V	11.5	—	16	—	9.6	0.094	0.4	0.048	0.4
FCQHG71FVEB		RZQG71L8Y1B			11.6	—	16	—	9.6	0.094	0.4	0.091	0.5
FCQG35FVEB	x2	RZQG71L8Y1B			11.8	—	16	—	9.6	0.094	0.4	0.044x2	0.3x2
FCQG71FVEB		RZQG71L8Y1B			11.5	—	16	—	9.6	0.094	0.4	0.054	0.4
FFQ35C2VEB	x2	RZQG71L8Y1B			12.0	—	16	—	9.6	0.094	0.4	0.05x2	0.4x2
FDXS35F2VEB	x2	RZQG71L8Y1B			11.8	—	16	—	9.6	0.094	0.4	0.034x2	0.3x2
FBQ35C8VEB	x2	RZQG71L8Y1B			14.0	—	16	—	9.6	0.094	0.4	0.140x2	1.2x2
FBQ71C8VEB		RZQG71L8Y1B			12.4	—	16	—	9.6	0.094	0.4	0.350	1.1
FAQ71C8VEB9		RZQG71L8Y1B			11.5	—	16	—	9.6	0.094	0.4	0.048	0.4
FVQ71C8VEB		RZQG71L8Y1B			11.8	—	16	—	9.6	0.094	0.4	0.117	0.6
FHQ35CBVEB	x2	RZQG71L8Y1B			12.5	—	16	—	9.6	0.094	0.4	0.060x2	0.6 x 2
FHQ71CBVEB		RZQG71L8Y1B			12.0	—	16	—	9.6	0.094	0.4	0.091	0.8
FUQ71C8VEB		RZQG71L8Y1B	12.1	—	16	—	9.6	0.094	0.4	0.046	0.9		
FCQG100EVEB		RZQG100L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum: 456 V	17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.106	1
FCQHG100FVEB		RZQG100L8Y1B			18.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.221	1.3
FCQG35FVEB	x3	RZQG100L8Y1B			17.6	—	20	—	14.2	0.094+0.094	0.4+0.4	0.044x3	0.3x3
FCQG50FVEB	x2	RZQG100L8Y1B			17.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.039x2	0.3x2
FCQG100FVEB		RZQG100L8Y1B			17.4	—	20	—	14.2	0.094+0.094	0.4+0.4	0.117	0.7
FFQ35C2VEB	x3	RZQG100L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x3	0.4x3
FFQ50C2VEB	x2	RZQG100L8Y1B			17.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x2	0.4x2
FDXS35F2VEB	x3	RZQG100L8Y1B			17.6	—	20	—	14.2	0.094+0.094	0.4+0.4	0.034x3	0.3x3
FBQ35C8VEB	x2	RZQG100L8Y1B			17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.06x2	0.5x2
FBQ50C8VEB	x3	RZQG100L8Y1B			21.0	—	25	—	14.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3
FBQ35C8VEB	x2	RZQG100L8Y1B			19.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.140x2	1.2x2
FBQ100C8VEB		RZQG100L8Y1B			18.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350	1.6
FAQ100C8VEB9		RZQG100L8Y1B			17.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.064	0.4
FVQ100C8VEB		RZQG100L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.238	1.2
FHQ35CBVEB	x3	RZQG100L8Y1B			18.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.060 x 3	0.6 x 3
FHQ50CBVEB	x2	RZQG100L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.060 x 2	0.6 x 2
FHQ100CBVEB		RZQG100L8Y1B			18.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.150	1.3
FUQ100C8VEB		RZQG100L8Y1B			18.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.106	1.3

Symbols

MCA: Minimum Circuit Ampere [A]
 TOCA: Total overcurrent amps [A]
 MFA: Maximum Fuse Ampere [A]
 MSC: Maximum current of the starting compressor [A]
 RLA: Rated load amps [A]
 OFM: Outdoor fan motor
 IFM: Indoor fan motor
 FLA: Full Load Ampere [A]
 kW: Fan motor rated output [kW]

Notes

- The RLA is based on the following conditions.
 Cooling
 Indoor temperature 27.0°C DB / 19.0°C WB
 Outdoor temperature 35.0°C DB
 Heating
 Indoor temperature 20.0°C DB
 Outdoor temperature 7.0°C DB / 6.0°C WB
- TOCA is the total value of each overcurrent set.
- Voltage range
 The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA is the maximum input current.
 The capacity of the MFA must be greater than that of the MCA.
 Select the MFA according to the table.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 Earth leakage circuit breaker

3D077810C

3 Electrical data

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3

RZQG71-100L8Y1

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FBQ71D2VEB	RZQG71L8Y1B	3N~ 50Hz	380~ 415V	MAX. 50Hz 456V MIN. 50Hz 342V	11,8	16	–	9,6	0,094	0,4	0,07	0,5
2xFBQ35D2VEB	RZQG71L8Y1B				12	16	–	9,6	0,094	0,4	2x0.089	2x0.6
FBQ100D2VEB	RZQG100L8Y1B				17,9	20	–	14,2	0.094 + 0.094	0.4 + 0.4	0,127	1,0
2xFBQ50D2VEB	RZQG100L8Y1B				18,1	20	–	14,2	0.094 + 0.094	0.4 + 0.4	2x0.089	2x0.6

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- ① Hz
② Voltage
③ Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]
COMP Compressor

3D094863B

RZQG71-100L8Y1

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
2xFNQ35A2VEB	RZQG71L8Y1B	3N~ 50Hz	380~ 415V	MAX. 50Hz 456V MIN. 50Hz 342V	11,9	16	–	9,6	0,094	0,4	2x0.034	2x0.3
2xFNQ50A2VEB	RZQG100L8Y1B				17,9	20	–	14,2	0.094 + 0.094	0.4 + 0.4	2x0.06	2x0.5

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- ① Hz
② Voltage
③ Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]
COMP Compressor

3D096315C

3 Electrical data

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RZQG100-140L(8)Y1

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
3xFBQ35D2VEB	RZQG100L8Y1B	3N~ 50Hz	380~ 415V	MAX. 50Hz 456V MIN. 50Hz 342V	18,7	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
FBQ125D2VEB	RZQG125L8Y1B				18,5	20	–	14,2	0.094 + 0.094	0.4 + 0.4	0.187	1,5
2xFBQ60D2VEB	RZQG125L8Y1B				18	20	–	14,2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5
3xFBQ50D2VEB	RZQG125L8Y1B				18,8	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
4xFBQ35D2VEB	RZQG125L8Y1B				19,4	20	–	14,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
FBQ140D2VEB	RZQG140L7Y1B				18,5	20	–	14,2	0.094 + 0.094	0.4 + 0.4	0.187	1,5
2xFBQ71D2VEB	RZQG140L7Y1B				18	20	–	14,2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5
3xFBQ50D2VEB	RZQG140L7Y1B				18,8	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
4xFBQ35D2VEB	RZQG140L7Y1B				19,4	20	–	14,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- ① Hz
② Voltage
③ Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]
COMP Compressor

3D094863B

RZQG100-140L(8)Y1

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
3xFNQ35A2VEB	RZQG100L8Y1B	3N~ 50Hz	380– 415V	MAX. 50Hz 456V MIN. 50Hz 342V	17,8	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.034	3x0.3
2xFNQ60A2VEB	RZQG125L8Y1B				18	20	–	14,2	0.094 + 0.094	0.4 + 0.4	2x0.06	2x0.3
3xFNQ50A2VEB	RZQG125L8Y1B				18,5	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.06	3x0.3
4xFNQ35A2VEB	RZQG125L8Y1B				18,2	20	–	14,2	0.094 + 0.094	0.4 + 0.4	4x0.034	4x0.3
3xFNQ50A2VEB	RZQG140L7Y1B				18,5	20	–	14,2	0.094 + 0.094	0.4 + 0.4	3x0.06	3x0.3
4xFNQ35A2VEB	RZQG140L7Y1B				18,2	20	–	14,2	0.094 + 0.094	0.4 + 0.4	4x0.034	4x0.3

Notes

- The RLA is based on the following conditions.
Indoor temperature 27°C DB / 19°C WB
Outdoor temperature 35°C DB
- Select the wire size according to the MCA.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Use a circuit breaker instead of a fuse.

Symbols

- ① Hz
② Voltage
③ Voltage range
MCA Minimum Circuit Ampere (A)
MFA Maximum Fuse Ampere (A)
RLA Rated load amps [A]

- OFM Outdoor fan motor
IFM Indoor fan motor
FLA Full Load Ampere (A)
kW Fan motor rated output [kW]
RHz Rated operating frequency [Hz]
COMP Compressor

3D096315C

3 Electrical data

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3

RZQG125-140L(8)Y1

Indoor	Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	Compressor		OFM		IFM	
							MSC	RLA	kW	FLA	kW	FLA
FCQG125VEB	RZQG125L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum 456 V	17.9	—	20	—	14.2	0.094+0.094	0.4+0.4	0.106	1.1
FCQHG125FVEB	RZQG125L8Y1B			18.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4 RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.044x4	0.3x4
FCQG50FVEB	x3 RZQG125L8Y1B			17.6	—	20	—	14.2	0.094+0.094	0.4+0.4	0.039x3	0.3x3
FCQG60FVEB	x2 RZQG125L8Y1B			17.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.044x2	0.3x2
FCQG125FVEB	RZQG125L8Y1B			17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.168	1
FFQ35C2VEB	x4 RZQG125L8Y1B			18.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x4	0.4x4
FFQ50C2VEB	x3 RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x3	0.4x3
FFQ60C2VEB	x2 RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x2	0.6x2
FDXS35F2VEB	x4 RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.034x4	0.3x4
FDXS50F2VEB9	x3 RZQG125L8Y1B			18.4	—	20	—	14.2	0.094+0.094	0.4+0.4	0.06x3	0.5x3
FDXS60F2VEB	x2 RZQG125L8Y1B			17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.060x2	0.5x2
FBQ35C8VEB	x4 RZQG125L8Y1B			22.5	—	25	—	14.2	0.094+0.094	0.4+0.4	0.140x4	1.2x4
FBQ50C8VEB	x3 RZQG125L8Y1B			21.0	—	25	—	14.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3
FBQ60C8VEB	x2 RZQG125L8Y1B			19.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350x2	1.1x2
FBQ125C8VEB	RZQG125L8Y1B			19.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350	2.1
FDQ125C7VEB	RZQG125L8Y1B			19.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350	2.1
FVQ125C6VEB	RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.238	1.2
FHQ35C8VEB	x4 RZQG125L8Y1B			19.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.060 x 4	0.6 x 4
FHQ50C8VEB	x3 RZQG125L8Y1B			18.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.060 x 3	0.6 x 3
FHQ60C8VEB	x2 RZQG125L8Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.091 x 2	0.6 x 2
FHQ125C8VEB	RZQG125L8Y1B			18.4	—	20	—	14.2	0.094+0.094	0.4+0.4	0.150	1.5
FUQ125C6VEB	RZQG125L8Y1B			18.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.106	1.4
FCQG140L7Y1B	x2 RZQG140L7Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum 456 V	17.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.048x2	0.4x2
FCQG140EVEB	RZQG140L7Y1B			17.9	—	20	—	14.2	0.094+0.094	0.4+0.4	0.106	1.1
FCQHG140FVEB	x2 RZQG140L7Y1B			17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.091x2	0.5x2
FCQHG140FVEB	RZQG140L7Y1B			18.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4 RZQG140L7Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.044x4	0.3x4
FCQG50FVEB	x3 RZQG140L7Y1B			17.6	—	20	—	14.2	0.094+0.094	0.4+0.4	0.039x3	0.3x3
FCQG71FVEB	x2 RZQG140L7Y1B			17.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.054x2	0.4x2
FCQG140FVEB	RZQG140L7Y1B			17.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.168	1
FFQ35C2VEB	x4 RZQG140L7Y1B			18.5	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x4	0.4x4
FFQ50C2VEB	x3 RZQG140L7Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.05x3	0.4x3
FFQ60C2VEB	x2 RZQG140L7Y1B			18.0	—	20	—	14.2	0.094+0.094	0.4+0.4	0.034x4	0.3x4
FDXS35F2VEB9	x4 RZQG140L7Y1B			18.4	—	20	—	14.2	0.094+0.094	0.4+0.4	0.06x3	0.5x3
FBQ35C8VEB	x4 RZQG140L7Y1B			22.5	—	25	—	14.2	0.094+0.094	0.4+0.4	0.140x4	1.2x4
FBQ50C8VEB	x3 RZQG140L7Y1B			21.0	—	25	—	14.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3
FBQ71C8VEB	x2 RZQG140L7Y1B			19.3	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350x2	1.1x2
FBQ140C8VEB	RZQG140L7Y1B			19.1	—	20	—	14.2	0.094+0.094	0.4+0.4	0.350	2.1
FHQ140C8VEB	RZQG140L7Y1B			18.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ140C6VEB	x2 RZQG140L7Y1B			18.8	—	20	—	14.2	0.094+0.094	0.4+0.4	0.046 x 2	0.9 x 2

Symbols

MCA: Minimum Circuit Ampere [A]
 TOCA: Total overcurrent amps [A]
 MFA: Maximum Fuse Ampere [A]
 MSC: Maximum current of the starting compressor [A]
 RLA: Rated load amps [A]
 OFM: Outdoor fan motor
 IFM: Indoor fan motor
 FLA: Full Load Ampere [A]
 kW: Fan motor rated output [kW]

Notes

- The RLA is based on the following conditions.
 Cooling
 Indoor temperature 27.0°C DB / 19.0°C WB
 Outdoor temperature 35.0°C DB
 Heating
 Indoor temperature 20.0°C DB
 Outdoor temperature 7.0°C DB / 6.0°C WB
- TOCA is the total value of each overcurrent set.
- Voltage range
 The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA is the maximum input current.
 The capacity of the MFA must be greater than that of the MCA.
 Select the MFA according to the table.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 Earth leakage circuit breaker

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3 Electrical data

3 - 1 Electrical Data

RZQG71-100L8Y1

Infrastructure Cooling

							Compressor		OFM		IFM	
Indoor	Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQHG100FVEB	RZQG71L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum 456 V	12,6	—	16	—	9,6	0,094	0,4	0,221	1,3
FCQG35FVEB	x3 RZQG71L8Y1B			12,1	—	16	—	9,6	0,094	0,4	0,044 x3	0,3 x3
FCQG50FVEB	x2 RZQG71L8Y1B			11,8	—	16	—	9,6	0,094	0,4	0,039 x2	0,3 x2
FCQG100FVEB	x2 RZQG71L8Y1B			11,9	—	16	—	9,6	0,094	0,4	0,117	0,7
FFQ35C2VEB	x3 RZQG71L8Y1B			12,5	—	16	—	9,6	0,094	0,4	0,050 x3	0,4 x3
FFQ50C2VEB	x2 RZQG71L8Y1B			12,0	—	16	—	9,6	0,094	0,4	0,050 x2	0,4 x2
FBQ35D2VEB	x3 RZQG71L8Y1B			13,3	—	16	—	9,6	0,094	0,4	0,089 x3	0,6 x3
FBQ50D2VEB	x2 RZQG71L8Y1B			12,5	—	16	—	9,6	0,094	0,4	0,089 x2	0,6 x2
FBQ100D2VEB	RZQG71L8Y1B			12,3	—	16	—	9,6	0,094	0,4	0,127	1,0
FHQ35CAVEB	x3 RZQG71L8Y1B			13,3	—	16	—	9,6	0,094	0,4	0,060 x3	0,6 x3
FHQ50CAVEB	x2 RZQG71L8Y1B			12,5	—	16	—	9,6	0,094	0,4	0,060 x2	0,6 x2
FHQ100CAVEB	RZQG71L8Y1B			12,6	—	16	—	9,6	0,094	0,4	0,150	1,3
FUQ100CVEB	RZQG71L8Y1B			12,6	—	16	—	9,6	0,094	0,4	0,106	1,3
FAQ100CVEB	RZQG71L8Y1B			11,5	—	16	—	9,6	0,094	0,4	0,064	0,4
FVQ100CVEB	RZQG71L8Y1B			12,5	—	16	—	9,6	0,094	0,4	0,238	1,2
FDXS35F2VEB	x3 RZQG71L8Y1B			12,1	—	16	—	9,6	0,094	0,4	0,034 x3	0,3 x3
FDXS50F2VEB9	x2 RZQG71L8Y1B			12,3	—	16	—	9,6	0,094	0,4	0,060 x2	0,5 x2
FCQHG71FVEB	x2 RZQG100L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum 456 V	17,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,091 x2	0,5 x2
FCQHG140FVEB	RZQG100L8Y1B			18,3	—	20	—	14,2	0,094+0,094	0,4+0,4	0,244	1,4
FCQG35FVEB	x4 RZQG100L8Y1B			18,0	—	20	—	14,2	0,094+0,094	0,4+0,4	0,044 x4	0,3 x4
FCQG50FVEB	x3 RZQG100L8Y1B			17,6	—	20	—	14,2	0,094+0,094	0,4+0,4	0,039 x3	0,3 x3
FCQG71FVEB	x2 RZQG100L8Y1B			17,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,054 x2	0,4 x2
FCQG140FVEB	RZQG100L8Y1B			17,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,168	1,0
FFQ35C2VEB	x4 RZQG100L8Y1B			18,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,050 x4	0,4 x4
FFQ50C2VEB	x3 RZQG100L8Y1B			18,0	—	20	—	14,2	0,094+0,094	0,4+0,4	0,050 x3	0,4 x3
FBQ35D2VEB	x4 RZQG100L8Y1B			19,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,089 x4	0,6 x4
FBQ50D2VEB	x3 RZQG100L8Y1B			18,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,089 x3	0,6 x3
FBQ71D2VEB	x2 RZQG100L8Y1B			17,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,070 x2	0,5 x2
FBQ140D2VEB	RZQG100L8Y1B			18,4	—	20	—	14,2	0,094+0,094	0,4+0,4	0,187	1,5
FHQ35CAVEB	x4 RZQG100L8Y1B			19,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,060 x4	0,6 x4
FHQ50CAVEB	x3 RZQG100L8Y1B			18,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,060 x3	0,6 x3
FHQ71CAVEB	x2 RZQG100L8Y1B			18,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,091 x2	0,8 x2
FHQ140CAVEB	RZQG100L8Y1B			18,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,150	1,8
FUQ71CVEB	x2 RZQG100L8Y1B			18,8	—	20	—	14,2	0,094+0,094	0,4+0,4	0,048 x2	0,9 x2
FAQ71CVEB	x2 RZQG100L8Y1B			17,5	—	20	—	14,2	0,094+0,094	0,4+0,4	0,048 x2	0,4 x2
FVQ140CVEB	RZQG100L8Y1B			18,3	—	20	—	14,2	0,094+0,094	0,4+0,4	0,276	1,4
FDXS35F2VEB	x4 RZQG100L8Y1B			18,0	—	20	—	14,2	0,094+0,094	0,4+0,4	0,034 x4	0,3 x4
FDXS50F2VEB9	x3 RZQG100L8Y1B			18,4	—	20	—	14,2	0,094+0,094	0,4+0,4	0,060 x3	0,5 x3

Symbols

MCA: Minimum Circuit Ampere [A]
 TOCA: Total overcurrent amps [A]
 MFA: Maximum Fuse Ampere [A]
 MSC: Maximum current of the starting compressor [A]
 RLA: Rated load amps [A]
 OFM: Outdoor fan motor
 IFM: Indoor fan motor
 FLA: Full Load Ampere [A]
 KW: Fan motor rated output [kW]

Notes

- The RLA is based on the following conditions.
 Cooling
 Indoor temperature 27.0°C DB / 19.0°C WB
 Outdoor temperature 35.0°C DB
 Heating
 Indoor temperature 20.0°C DB
 Outdoor temperature 7.0°C DB / 6.0°C WB
- TOCA is the total value of each overcurrent set.
- Voltage range
 The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA is the maximum input current.
 The capacity of the MFA must be greater than that of the MCA.
 Select the MFA according to the table.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 Earth leakage circuit breaker

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3 Electrical data

3 - 1 Electrical Data

RZQG125-140L(8)Y1

Infrastructure Cooling

Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	Compressor		OFM		IFM	
								MSC	RLA	kW	FLA	kW	FLA
FCQHG71FVEB	x2	RZQG125L8Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum: 456 V	17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCQHG140FVEB	—	RZQG125L8Y1B			18,3	—	20	—	14,2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4	RZQG125L8Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCQG350FVEB	x3	RZQG125L8Y1B			17,6	—	20	—	14,2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCQG71FVEB	x2	RZQG125L8Y1B			17,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCQG140FVEB	—	RZQG125L8Y1B			17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.168	1.0
FFQ35C2VEB	x4	RZQG125L8Y1B			18,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFQ50C2VEB	x3	RZQG125L8Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBQ35D2VEB	x4	RZQG125L8Y1B			19,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBQ50D2VEB	x3	RZQG125L8Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBQ71D2VEB	x2	RZQG125L8Y1B			17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBQ140D2VEB	—	RZQG125L8Y1B			18,4	—	20	—	14,2	0.094+0.094	0.4+0.4	0.187	1.5
FHQ35CAVEB	x4	RZQG125L8Y1B			19,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHQ50CAVEB	x3	RZQG125L8Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHQ71CAVEB	x2	RZQG125L8Y1B			18,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHQ140CAVEB	—	RZQG125L8Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ71CVEB	x2	RZQG125L8Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAQ71CVEB	x2	RZQG125L8Y1B			17,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVQ140CVEB	—	RZQG125L8Y1B			18,3	—	20	—	14,2	0.094+0.094	0.4+0.4	0.276	1.4
FDXS35F2VEB	x4	RZQG125L8Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXS50F2VEB9	x3	RZQG125L8Y1B			18,4	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3
FCQHG71FVEB	x2	RZQG140L7Y1B	3N~ 50Hz 380-415V	Minimum: 342 V Maximum: 456 V	17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.091 x2	0.5 x2
FCQHG140FVEB	—	RZQG140L7Y1B			18,3	—	20	—	14,2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4	RZQG140L7Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.044 x4	0.3 x4
FCQG50FVEB	x3	RZQG140L7Y1B			17,6	—	20	—	14,2	0.094+0.094	0.4+0.4	0.039 x3	0.3 x3
FCQG71FVEB	x2	RZQG140L7Y1B			17,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.054 x2	0.4 x2
FCQG140FVEB	—	RZQG140L7Y1B			17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.168	1.0
FFQ35C2VEB	x4	RZQG140L7Y1B			18,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.050 x4	0.4 x4
FFQ50C2VEB	x3	RZQG140L7Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.050 x3	0.4 x3
FBQ35D2VEB	x4	RZQG140L7Y1B			19,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.089 x4	0.6 x4
FBQ50D2VEB	x3	RZQG140L7Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.089 x3	0.6 x3
FBQ71D2VEB	x2	RZQG140L7Y1B			17,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.070 x2	0.5 x2
FBQ140D2VEB	—	RZQG140L7Y1B			18,4	—	20	—	14,2	0.094+0.094	0.4+0.4	0.187	1.5
FHQ35CAVEB	x4	RZQG140L7Y1B			19,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x4	0.6 x4
FHQ50CAVEB	x3	RZQG140L7Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x3	0.6 x3
FHQ71CAVEB	x2	RZQG140L7Y1B			18,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.091 x2	0.8 x2
FHQ140CAVEB	—	RZQG140L7Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.150	1.8
FUQ71CVEB	x2	RZQG140L7Y1B			18,8	—	20	—	14,2	0.094+0.094	0.4+0.4	0.046 x2	0.9 x2
FAQ71CVEB	x2	RZQG140L7Y1B			17,5	—	20	—	14,2	0.094+0.094	0.4+0.4	0.048 x2	0.4 x2
FVQ140CVEB	—	RZQG140L7Y1B			18,3	—	20	—	14,2	0.094+0.094	0.4+0.4	0.276	1.4
FDXS35F2VEB	x4	RZQG140L7Y1B			18,0	—	20	—	14,2	0.094+0.094	0.4+0.4	0.034 x4	0.3 x4
FDXS50F2VEB9	x3	RZQG140L7Y1B			18,4	—	20	—	14,2	0.094+0.094	0.4+0.4	0.060 x3	0.5 x3

Symbols

MCA: Minimum Circuit Ampere [A]
 TOCA: Total overcurrent amps [A]
 MFA: Maximum Fuse Ampere [A]
 MSC: Maximum current of the starting compressor [A]
 RLA: Rated load amps [A]
 OFM: Outdoor fan motor
 IFM: Indoor fan motor
 FLA: Full Load Ampere [A]
 KW: Fan motor rated output [kW]

Notes

- The RLA is based on the following conditions.
 Cooling
 Indoor temperature 27.0°C DB / 19.0°C WB
 Outdoor temperature 35.0°C DB
 Heating
 Indoor temperature 20.0°C DB
 Outdoor temperature 7.0°C DB / 6.0°C WB
- TOCA is the total value of each overcurrent set.
- Voltage range
 The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
- The maximum allowable voltage that is unbalanced between phases is 2%.
- MCA is the maximum input current.
 The capacity of the MFA must be greater than that of the MCA.
 Select the MFA according to the table.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
 Earth leakage circuit breaker

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4 Options

4 - 1 Options

RZQG-L(8)Y1

Available options for RZQG models:

Name of option		Kit name			
		RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Bottom plate heater		EKBPH140L7: See note 1			
Refrigerant branch piping	Twin	KHRQ22M20TA (KHRQ58T): See note 2			
	Triple	-	KHRQ127H (KHRQ58H): See note 2		
	Double twin	-	-	KHRQ22M20TA (KHRQ58T): See note 2 (3x)	
Demand adapter kit		KRP58M51			

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NOTES

- 1 For combination of RZQG71L8V1 and EKBPH140L7 it is required to use the demand adapter kit KRP58M51 in order to connect the bottom plate heater.
- 2 For RZQ(S)G71-140L(8)Y1 in combination with FCQG35-71F or FCQH71F use the refrigerant branch piping mentioned between brackets.

5 Combination table

5 - 1 Combination Table

5

RZQG-L(8)Y1

SkyAir		High Cassette				Thin cassette				2x2 cassette		Duct (medium ESP)				Ceiling-suspended				Ceiling-mounted - 4-way blow	Wall mounted type	Duct (high ESP)	Floor standing type		Slim duct	Concealed floor standing type						
Model		FCQHG7FVEB	FCQHG10QFVEB	FCQHG12SFVEB	FCQHG14QFVEB	FCQGS3FVEB	FCQGS6FVEB	FCQGS6PFVEB	FCQGS7FVEB	FCQGS10QFVEB	FCQGS12SFVEB	FCQGS14QFVEB	FFQGS2VEB	FFQGS2VEB	FFQGS32VEB	FFQGS32VEB	FFQGS32VEB	FFQGS32VEB	FFQGS32VEB	FFQGS32VEB	FFQGS32VEB	FAQ71CIEB	FAQ71CIEB	FDQ125C7VEB	FVQ100CIEB	FVQ125CIEB	FVQ140CIEB	FDXS39F2VEB	FDXS59F2VEB	FDXS69F2VEB	FDXS3AVEB	FDXS62CIEB
RZQG71L9V1B	RZQG71L8Y1B	2	P			3	2			P			3	2		3	2			3	2		P					3	2			
RZQG100L9V1B	RZQG100L8Y1B	2	P		P	4	3			2			P	4	3	4	3	4	3	2		P	4	3			P	4	3			
RZQG125L9V1B	RZQG125L8Y1B	2	P		P	4	3		2				P	4	3	4	3	4	3	2		P	4	3			P	4	3			
RZQG140L9V1B	RZQG140L7Y1B	2			P	4	3		2				P	4	3	2		P	4	3	2		P	4	3			P	4	3		

Possible combinations

P= Pair
2= Twin
3= Triple
4= Double twin

Notes

- The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
- When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- For the selection of the correct refnet kit, required to install a multi-combination, refer to the option list.

Twin : KHRQ22M20T or KHRQ58T
Triple : KHRQ127H or KHRQ58H
Double twin : KHRQ22M20T or KHRQ58T

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RZQG-L9V1

RZQG-L(8)Y1

Possible combinations

P= Pair	71	100	125	140
2= Twin	35+35	50+50	71+71	
3= Triple		35+35+35	50+50+50 (*)	50+50+50 (*)
4= Double twin			35+35+35+35 (*)	35+35+35+35

(*) Maximum capacity of outdoor units

Sky Air	High Cassette				Thin cassette				2x2 cassette				Duct (medium ESP)				Ceiling-suspended				Ceiling-mounted - 4-way blow		Wall mounted type		Duct (high ESP)	Floor standing type	Slim duct			
Model	FCQHG7FVEB	FCQHG10QFVEB	FCQHG12SFVEB	FCQHG14QFVEB	FCQGS3FVEB	FCQGS6FVEB	FCQGS6PFVEB	FCQGS7FVEB	FCQGS10QFVEB	FCQGS12SFVEB	FCQGS14QFVEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FAQ71CIEB	FAQ71CIEB	FAQ71CIEB	FAQ71CIEB	FDQ125C7VEB	FVQ100CIEB	FVQ125CIEB	FVQ140CIEB	FDXS59F2VEB	FDXS59F2VEB		
RZQG71L9V1B					3	2			P			3	2		3	2			3	2		P				3	2			
RZQG100L9V1B	P				4	3	2		P	4	3	4	3	4	3	4	3	2		P	4	3				P	4	3		
RZQG125L9V1B		P							P			4	3	2		P			P				P				P			
RZQG140L9V1B			P						P			4	3	2		P			P				P				P			

Sky Air	High Cassette				Thin cassette				2x2 cassette				Duct (medium ESP)				Ceiling-suspended				Ceiling-mounted - 4-way blow				Wall mounted type		Duct (high ESP)		Floor standing type		Slim duct	
Model	FCQHG7FVEB	FCQHG10QFVEB	FCQHG12SFVEB	FCQHG14QFVEB	FCQGS3FVEB	FCQGS6FVEB	FCQGS6PFVEB	FCQGS7FVEB	FCQGS10QFVEB	FCQGS12SFVEB	FCQGS14QFVEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FFQGS2VEB	FAQ71CIEB	FAQ71CIEB	FAQ100CIEB	FAQ125C7VEB	FAQ125C7VEB	FAQ140CIEB	FAQ140CIEB	FAQ140CIEB	FAQ140CIEB	FAQ140CIEB	FAQ140CIEB	FAQ140CIEB	
RZQG71L9V1B					3	2			P			3	2		3	2			3	2		P						3	2			
RZQG100L9V1B		P			4	3			P	4	3	4	3	4	3	4	3	2		P	4	3					P	4	3			
RZQG125L9V1B		P			4	3	2		P	4	3	4	3	4	3	4	3	2		P	4	3					P	4	3			
RZQG140L9V1B				P	4	3		2			P	4	3	2		P	4	3	2		P	4	3				P	4	3			

Sky Air		Duct (medium ESP)				Concealed floor standing type	
Model		FNQ30A2VEB	FNQ30A2VEB	FNQ30A2VEB	FNQ30A2VEB	FNQ30A2VEB	FNQ30A2VEB
RZQG71L9V1B	RZQG71L8Y1B	2				2	
RZQG100L9V1B	RZQG100L8Y1B	3	2		P		3
RZQG125L9V1B	RZQG125L8Y1B	4	3	2			4
RZQG140L9V1B	RZQG140L7Y1B	4	3	2		P	4

Notes

- The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
- When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- For the selection of the correct refnet kit, required to install a multi-combination, refer to the option list.

Twin : KHRQ22M20TA or KHRQ58T
Triple : KHRQ127H or KHRQ58H
Double twin : KHRQ22M20TA or KHRQ58T

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6 Capacity tables

6 - 1 Cooling Capacity Tables

RZQG71L9V1
RZQG71L8Y1

Performance characteristics for EDP room

Cooling

[illegible]

Symbols

TC: Maximum total cooling capacity [kW]

SHC: Sensible heat capacity [kW]

CPI: Coefficient of the

PI: Power input [kW]

compressor + indoor :

RH: Relative humidity [%]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: 85% RH
Corresponding refrigerant pipe length: 5.0 m
Level difference: 0m
3. COP is a percentage value compared to the rated value which is 1.00.
4. For FDP applications, it is recommended to use remote controller setting 16(26)-2-03.
5. The error rate for this value is less than 5% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

Pair	FCQHG100F	FCQJ100F	FAQ100C	FVQ100C	FHQ100C	FUQ100C	FBQ100D
Cooling	1,66	2,01	2,00	2,02	1,78	1,67	1,89

Twin					
	FCQ50F x 2	FHQ50C x 2	FFQ50C x 2	FDX50F x 2	FBQ50O x 2
Cooling	2,04	2,34	2,02	2,23	2,02

Triple					
	FCQG35F X 3	FHQ35CA X 3	FFQ35C X 3	FDQ35F x 3	FBQ35D X 3
Cooling	2,06	2,39	2,07	2,26	2,11

9V1

RZQG100L9V1
RZQG100L8Y1

Performance characteristics for EDP room

Cooling

[illegible]

Symbols

TC: Maximum total cooling capacity [kW]

SHC: Sensible heat capacity [kW]

CPI: Coefficient of the power i

PI: Power input [kW]

compressor + indoor :

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: 85% RH
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
3. For FDP applications, it is recommended to use remote controller setting 16(26)-2-03.
4. COP is a percentage value compared to the rated value which is 1.00.
5. The error rate for this value is less than 5% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

Pair	FCQG140F	FCQG140F	FVQ140C	FHQ140C	FBQ140D
Cooling	2.15	2.45	2.49	2.49	2.49

Twin						
	FCQG71F x 2	FCQG71F x 2	FHQ71C x 2	FUQ71C x 2	FAQ71C x 2	FBQ71D x 2
Cooling	2.14	2.35	2.94	2.34	2.64	2.83

Triple	FCQ50F X3	PHQ50C X3	FFQ50C X3	FDX550F9 X3	FBQ50D X3
Cooling	2.32	2.68	2.70	2.64	2.06

Double twin					
	FCQG35F X 4	FHQ35C X 4	FFQ35C X 4	FDX35F X 4	FBQ35D x 4
Cooling	2.3%	3.0%	2.7%	2.5%	3.0%

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6 Capacity tables

6 - 1 Cooling Capacity Tables

RZQG125L9V1
RZQG125L8Y1

Performance characteristics for EDP room

Cooling

Indoor		Outdoor temperature [°C DB]																																																																																																																																																																																																																																																																																																																																																																																																												
		-15				-10				-5				0				5				10				15				20				25				30				35				40																																																																																																																																																																																																																																																																																																																																																																
		RH [%]		T [°C]		WB [°C]		CDB [°C]		RH [%]		T [°C]		WB [°C]		CDB [°C]		RH [%]		T [°C]		WB [°C]		CDB [°C]		RH [%]		T [°C]		WB [°C]		CDB [°C]		RH [%]		T [°C]		WB [°C]		CDB [°C]		RH [%]		T [°C]		WB [°C]		CDB [°C]																																																																																																																																																																																																																																																																																																																																																														
54.5	11	16	7.49	6.72	0.33	7.49	6.72	0.34	7.49	6.72	0.35	7.49	6.72	0.36	7.49	6.72	0.37	7.49	6.72	0.38	7.49	6.72	0.39	7.49	6.72	0.40	7.49	6.72	0.41	7.49	6.72	0.42	7.49	6.72	0.43	7.49	6.72	0.44	7.49	6.72	0.45	7.49	6.72	0.46	7.49	6.72	0.47	7.49	6.72	0.48	7.49	6.72	0.49	7.49	6.72	0.50	7.49	6.72	0.51	7.49	6.72	0.52	7.49	6.72	0.53	7.49	6.72	0.54	7.49	6.72	0.55	7.49	6.72	0.56	7.49	6.72	0.57	7.49	6.72	0.58	7.49	6.72	0.59	7.49	6.72	0.60	7.49	6.72	0.61	7.49	6.72	0.62	7.49	6.72	0.63	7.49	6.72	0.64	7.49	6.72	0.65	7.49	6.72	0.66	7.49	6.72	0.67	7.49	6.72	0.68	7.49	6.72	0.69	7.49	6.72	0.70	7.49	6.72	0.71	7.49	6.72	0.72	7.49	6.72	0.73	7.49	6.72	0.74	7.49	6.72	0.75	7.49	6.72	0.76	7.49	6.72	0.77	7.49	6.72	0.78	7.49	6.72	0.79	7.49	6.72	0.80	7.49	6.72	0.81	7.49	6.72	0.82	7.49	6.72	0.83	7.49	6.72	0.84	7.49	6.72	0.85	7.49	6.72	0.86	7.49	6.72	0.87	7.49	6.72	0.88	7.49	6.72	0.89	7.49	6.72	0.90	7.49	6.72	0.91	7.49	6.72	0.92	7.49	6.72	0.93	7.49	6.72	0.94	7.49	6.72	0.95	7.49	6.72	0.96	7.49	6.72	0.97	7.49	6.72	0.98	7.49	6.72	0.99	7.49	6.72	1.00	7.49	6.72	1.01	7.49	6.72	1.02	7.49	6.72	1.03	7.49	6.72	1.04	7.49	6.72	1.05	7.49	6.72	1.06	7.49	6.72	1.07	7.49	6.72	1.08	7.49	6.72	1.09	7.49	6.72	1.10	7.49	6.72	1.11	7.49	6.72	1.12	7.49	6.72	1.13	7.49	6.72	1.14	7.49	6.72	1.15	7.49	6.72	1.16	7.49	6.72	1.17	7.49	6.72	1.18	7.49	6.72	1.19	7.49	6.72	1.20	7.49	6.72	1.21	7.49	6.72	1.22	7.49	6.72	1.23	7.49	6.72	1.24	7.49	6.72	1.25	7.49	6.72	1.26	7.49	6.72	1.27	7.49	6.72	1.28	7.49	6.72	1.29	7.49	6.72	1.30	7.49	6.72	1.31	7.49	6.72	1.32	7.49	6.72	1.33	7.49	6.72	1.34	7.49	6.72	1.35	7.49	6.72	1.36	7.49	6.72	1.37	7.49	6.72	1.38	7.49	6.72	1.39	7.49	6.72	1.40	7.49	6.72	1.41	7.49	6.72	1.42	7.49	6.72	1.43	7.49	6.72	1.44	7.49	6.72	1.45	7.49	6.72	1.46	7.49	6.72	1.47	7.49	6.72	1.48	7.49	6.72	1.49	7.49	6.72	1.50	7.49	6.72	1.51	7.49	6.72	1.52	7.49	6.72	1.53	7.49	6.72	1.54	7.49	6.72	1.55	7.49	6.72	1.56	7.49	6.72	1.57	7.49	6.72	1.58	7.49	6.72	1.59	7.49	6.72	1.60	7.49	6.72	1.61	7.49	6.72	1.62	7.49	6.72	1.63	7.49	6.72	1.64

Notes:

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: 85% RH
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
3. For EDP applications, it is recommended to use remote controller setting 16(26)-2-03.
4. CPI is a percentage value compared to the rated value which is 1.00.
5. The error rate for this value is less than 5% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

Symbol:

TC: Maximum total cooling capacity [kW]

SHC: Sensible heat capacity [kW]

CPI: Coefficient of the power input

Pt: Power input [kW]

compressor + indoor

Pair	FCQG140F	FCQG140F	FVQ140C	FHQ140C	FBQ140D
Cooling	3,00	3,22	3,74	3,58	3,63

Twin						
	FCQHGT1F x 2	FCQS73F x 2	FHQ73C x 2	FUQ71C x 2	FAQ71C x 2	FHQ71D x 2
Cooling	2,97	3,17	3,67	3,44	3,69	4,10

Triple					
	FCQ50F X 3	FHQ50C X 3	FFQ50C X 3	FDX50F9 X 3	FBQ50O X 3
Cooling	3,17	3,66	3,23	3,45	3,97

Double twin					
	FCQG35F X 4	FHQ35C X 4	FFQ35C X 4	FDX35F X 4	FBQ35D X 4
Cooling	3,23	3,64	3,01	3,94	3,74

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RZQG140L9V1
RZQG140L8Y1

Performance characteristics for EDP room

Cooling

[illegible]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
Outdoor air: 85% RH
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
3. For EDP applications, it is recommended to use remote controller setting 16(2)-2-03.
4. COP is a percentage value compared to the rated value which is 1.00.
5. The error rate for this value is less than 5% and depends on the indoor unit type.
6. The rated power input for each model is mentioned in the table below.

Symbols

TC: Maximum total cooling capacity (kW)

SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input

CPI: Coefficient of the power input
B: Power input (kWh)

Pl: Power input [kW]
compressor + indoor and outdoor fan motor

RH: Relative humidity [%]

Pair	FCQHG140F	FCQG140F	PVQ140C	FHQ140C	FBQ140D
Cooling	4.00	4.17	4.17	4.05	4.00

Twin						
	FCQHG71Fa2	FCQG71F X 2	FHQ71C X 2	FUQ71C x 2	FAQ71C x 2	F8Q71D X 2
Cooling	3,94	4,11	3,59	3,35	3,81	3,75

	FDQ50F X 3	FHQ50C X 3	FFQ50C X 3	FDK50F9 X 3	FHQ50D X 3
Cooling	4,12	4,25	4,15	4,26	3,75

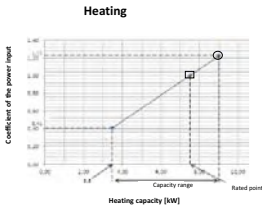
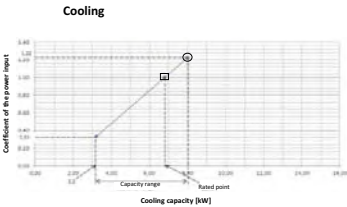
	FCQ35F x 4	FHQ35C x 4	FFQ35C x 4	FQ35F x 4	F8Q35D x 4
Cooling	4,18	4,23	3,83	5,38	3,75

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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

RZQG71L9V1 RZQG71L8Y1



Symbols
AFR: Air flow rate (m³/min)
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Maximum total cooling/heating capacity [kW]
SHC: Sensible heat capacity [kW]
CPI: Coefficient of the power input
PI: Power input [kW]
compressor + indoor and outdoor fan motors

		Outdoor temperature [°C DB]											
		25			30			35			40		
Indoor	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC
	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB
16.0	22	8.05	5.45	1.00	7.76	5.32	1.11	7.48	5.20	1.21	7.21	5.06	1.32
18.0	25	8.40	5.45	1.00	8.11	5.32	1.11	7.83	5.19	1.21	7.54	5.05	1.33
19.5	27	8.59	5.44	1.01	8.30	5.32	1.12	8.00	5.18	1.22	7.70	5.05	1.33
19.5	27	8.68	5.43	1.01	8.39	5.31	1.12	8.09	5.17	1.22	7.79	5.05	1.33
22.0	30	9.15	5.38	1.01	8.84	5.26	1.12	8.52	5.13	1.23	8.21	4.99	1.34
24.0	32	9.53	5.31	1.03	9.20	5.19	1.13	8.87	5.06	1.25	8.54	4.92	1.35

		-15.0		-10.0		-5.0		0.0		5.0		10.0	
		TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
Indoor	°C DB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB	°C WB
16	6.44	0.93	7.09	0.99	7.56	1.02	7.79	1.06	8.00	1.12	8.21	1.19	8.42
18	6.43	0.98	7.08	1.03	7.54	1.07	7.78	1.10	8.00	1.17	8.21	1.24	8.42
20	6.42	1.01	7.07	1.07	7.53	1.15	7.77	1.14	8.00	1.22	8.21	1.30	8.42
22	6.42	1.03	7.07	1.09	7.53	1.18	7.77	1.16	8.00	1.24	8.21	1.31	8.42
24	6.41	1.06	7.06	1.11	7.52	1.18	7.76	1.19	8.00	1.27	8.21	1.33	8.42
26	6.41	1.09	7.06	1.15	7.51	1.20	7.76	1.23	8.00	1.32	8.21	1.38	8.42

- Notes
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions
□ = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (L 85) x (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
 - CPI is a percentage value compared to the rated value which is 1.00.
 - The error rate for this value is less than 5% and depends on the indoor unit type.
 - The heating performance takes into account the drop that occurs during defrost operation.
 - The air flow rate and bypass factor are mentioned in the table.

9. The rated power input for each model is mentioned in the table below.

Pair	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H
AFR	21.2	21.5	18.0	20.5	18.0	20.5	23.0	18.0
(BF)	(0.2)	(0.14)	(0.08)	(0.13)	(0.16)	(0.16)	(0.24)	(0.13)

Twin	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2
AFR	12.5 x 2	16 x 2	14 x 2	10 x 2	8.7 x 2	15 x 2	8.7 x 2
(BF)	(0.4 x 2)	(0.15 x 2)	(0.17 x 2)	(0.25 x 2)	(0.17 x 2)	(0.08 x 2)	(0.17 x 2)

Pair	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H	FCQ637H
Cooling	1.66	2.01	1.94	1.78	2.00	2.02	1.78	1.67
Heating	1.56	1.82	2.05	1.82	2.02	2.06	1.82	1.67

Twin	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2	FCQ637H x 2
Cooling	2.04	1.98	2.34	2.02	2.23	2.01	2.23
Heating	1.92	2.16	2.70	1.88	2.55	2.08	2.55

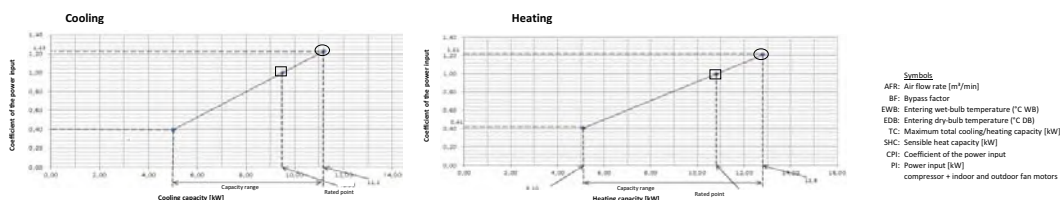
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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

6

RZQG100L9V1 RZQG100L8Y1



Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
°C WB	°C DB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
18.0	22	11.20	7.61	1.01	10.85	7.44	1.11	10.50	7.29	1.22	10.11	7.09	1.32
19.0	25	11.30	7.59	1.01	11.22	7.49	1.12	11.00	7.27	1.22	10.55	7.09	1.32
19.5	27	12.00	7.57	1.02	11.62	7.44	1.12	11.20	7.26	1.23	10.80	7.04	1.33
19.5	27	12.15	7.59	1.02	11.74	7.37	1.13	11.43	7.34	1.23	10.91	7.04	1.34
22.0	30	12.80	7.52	1.02	12.37	7.36	1.13	11.90	7.16	1.24	11.52	7.02	1.35
24.0	32	13.30	7.42	1.03	12.88	7.27	1.14	12.40	7.06	1.25	11.97	6.91	1.36

Indoor		Outdoor temperature (°C WB)											
		-15.0			-10.0			-5.0			0.0		
°C DB	°C WB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	8.89	0.92	0.45	0.98	1.01	1.02	1.04	1.06	1.09	1.11	1.13	1.15	1.18
18	8.57	0.97	0.44	1.02	1.03	1.05	1.07	1.09	1.12	1.15	1.18	1.20	1.23
20	8.66	1.00	0.43	1.06	1.07	1.11	1.13	1.15	1.18	1.21	1.24	1.27	1.30
21	8.66	1.02	0.42	1.09	1.10	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.34
22	8.66	1.04	0.42	1.10	1.10	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.34
24	8.54	1.09	0.41	1.14	1.14	1.19	1.22	1.25	1.28	1.31	1.34	1.37	1.40

- Notes
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
 - = Maximum at standard conditions.
□ = Rated capacity and rated coefficient of the power input.
The maximum capacity is not guaranteed except at standard conditions.
 - SHC is based on indoor units EWB & EDB.
SHC* for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-8F) x (DB* - EDB)
 - The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
5. CPI is a percentage value compared to the rated value which is 1.00.
6. The error rate for this value is less than 5% and depends on the indoor unit type.
7. The heating performance takes into account the drop that occurs during defrost operation.
8. The air flow rate and bypass factor are mentioned in the table.

Pair	FCQ100P	FCQ100P	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C
AFR	32.3	32.0	32.0	30.0	26.0	28.0	28.0	31.0	29.0
(BF)	(0.17)	(0.17)	(0.13)	(0.09)	(0.10)	(0.20)	(0.09)	(0.20)	(0.03)

Twin	FCQ100P x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2
AFR	12.6 x 2	16 x 2	15 x 2	12 x 2	16 x 2	15 x 2	16 x 2
(BF)	(0.22 x 2)	(0.16 x 2)	(0.18 x 2)	(0.16 x 2)	(0.11 x 2)	(0.13 x 2)	(0.11 x 2)

Triple	FCQ100P x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3
AFR	12.5 x 3	16 x 3	14 x 3	10 x 3	8.7 x 3	15 x 3
(BF)	(0.4 x 3)	(0.15 x 3)	(0.17 x 3)	(0.25 x 3)	(0.17 x 3)	(0.17 x 3)

9. The rated power input for each model is mentioned in the table below.

Pair	FCQ100P	FCQ100P	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C	FCQ100C
Cooling	2.15	2.45	2.44	2.49	2.63	2.49	2.30	2.33	2.49
Heating	2.16	2.60	2.57	2.60	3.00	2.61	2.60	2.62	2.45

Twin	FCQ100P x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2	FCQ100C x 2
Cooling	2.32	2.51	2.93	2.65	2.51	2.87
Heating	2.46	2.86	3.28	2.89	2.96	2.96

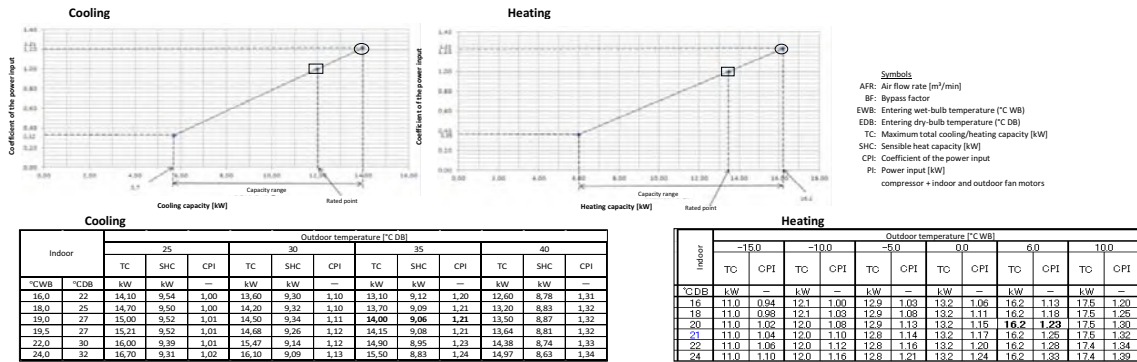
Triple	FCQ100P x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3	FCQ100C x 3
Cooling	2.38	2.51	2.91	2.45	2.81	2.81
Heating	2.51	2.86	3.20	2.59	3.68	3.68

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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

RZQG125L9V1 RZQG125L8Y1



Notes:

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- = Maximum at standard conditions
□ = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
- SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 × AFR (m³/min) × (1.40 × DB* - EDB)
- The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- CPI is a percentage value compared to the rated value which is 1.00.
- The error rate for this value is less than 5% and depends on the indoor unit type.
- The heating performance takes into account the drop that occurs during defrost operation.
- The air flow rate and bypass factor are mentioned in the table.

Pair	RZQG125F	RZQG125F	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C
AFR	33.5	33.0	39.0	31.0	39.0	28.0	31.0	32.5	34.0
BF	(0.19)	(0.21)	(0.16)	(0.134)	(0.16)	(0.16)	(0.14)	(0.19)	(0.06)

Twin	RZQG125F x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2
AFR	13.6 x 2	18 x 2	19.5 x 2	14.5 x 2	16 x 2	18 x 2	16 x 2
BF	(0.2 x 2)	(0.15 x 2)	(0.20 x 2)	(0.11 x 2)	(0.12 x 2)	(0.18 x 2)	(0.12 x 2)

Triple	RZQG125F x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3
AFR	12.6 x 3	16 x 3	15 x 3	12 x 3	15 x 3	15 x 3	16 x 3
BF	(0.22 x 3)	(0.16 x 3)	(0.18 x 3)	(0.12 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)

Double twin	RZQG125F x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4
AFR	12.5 x 4	16 x 4	14 x 4	10 x 4	8.7 x 4	15 x 4	8.7 x 4
BF	(0.4 x 4)	(0.15 x 4)	(0.17 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)

9. The rated power input for each model is mentioned in the table below.

Pair	RZQG125F	RZQG125F	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C	RZQG125C
Cooling	3.05	3.23	3.15	3.58	3.20	3.74	3.41	3.44	3.63
Heating	3.07	3.72	3.33	3.48	3.53	3.65	3.48	3.86	3.46

Twin	RZQG125F x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2	RZQG125C x 2
Cooling	3.14	3.28	3.87	3.61	3.76	4.10	3.76
Heating	3.64	3.74	4.11	4.10	4.20	3.65	4.20

Triple	RZQG125F x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3	RZQG125C x 3
Cooling	3.17	3.29	3.86	3.73	3.45	3.97	3.45
Heating	3.66	3.74	4.10	3.55	3.61	3.81	3.61

Double twin	RZQG125F x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4	RZQG125C x 4
Cooling	3.23	3.28	3.64	3.61	3.94	3.74	3.94
Heating	3.72	3.74	4.00	3.30	4.45	3.78	4.45

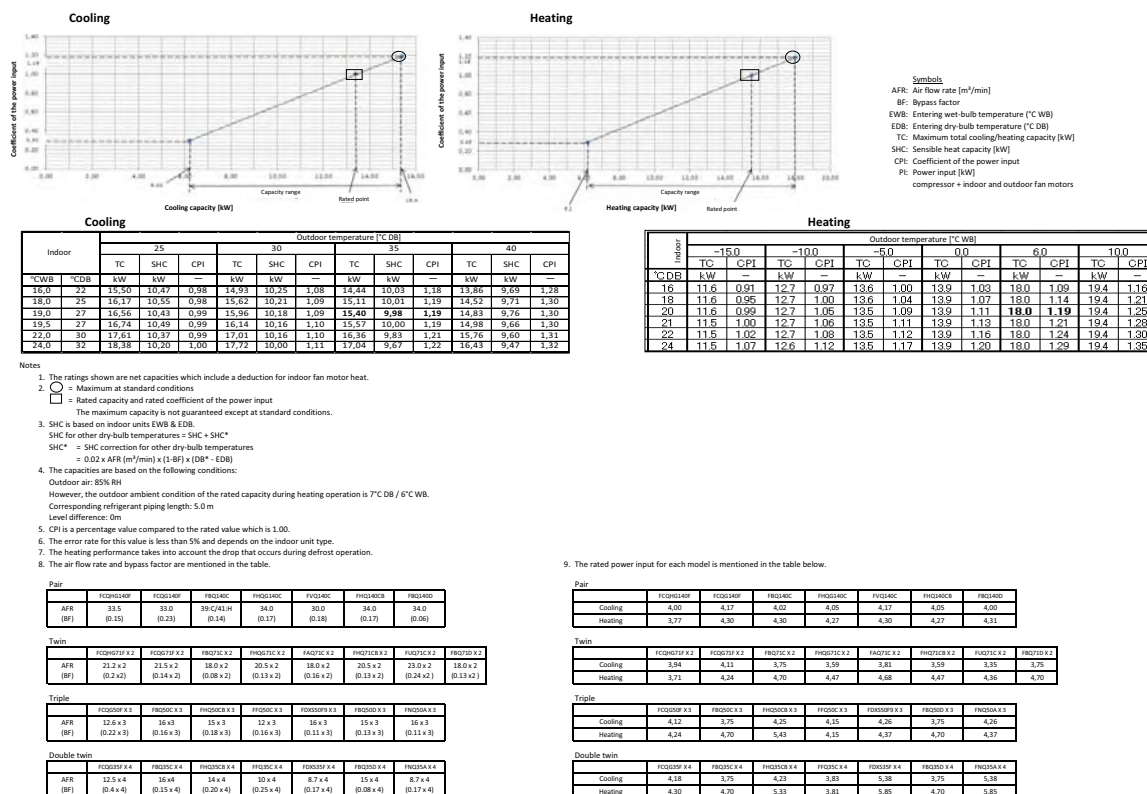
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6 Capacity tables

6 - 2 Cooling/Heating Capacity Tables

6

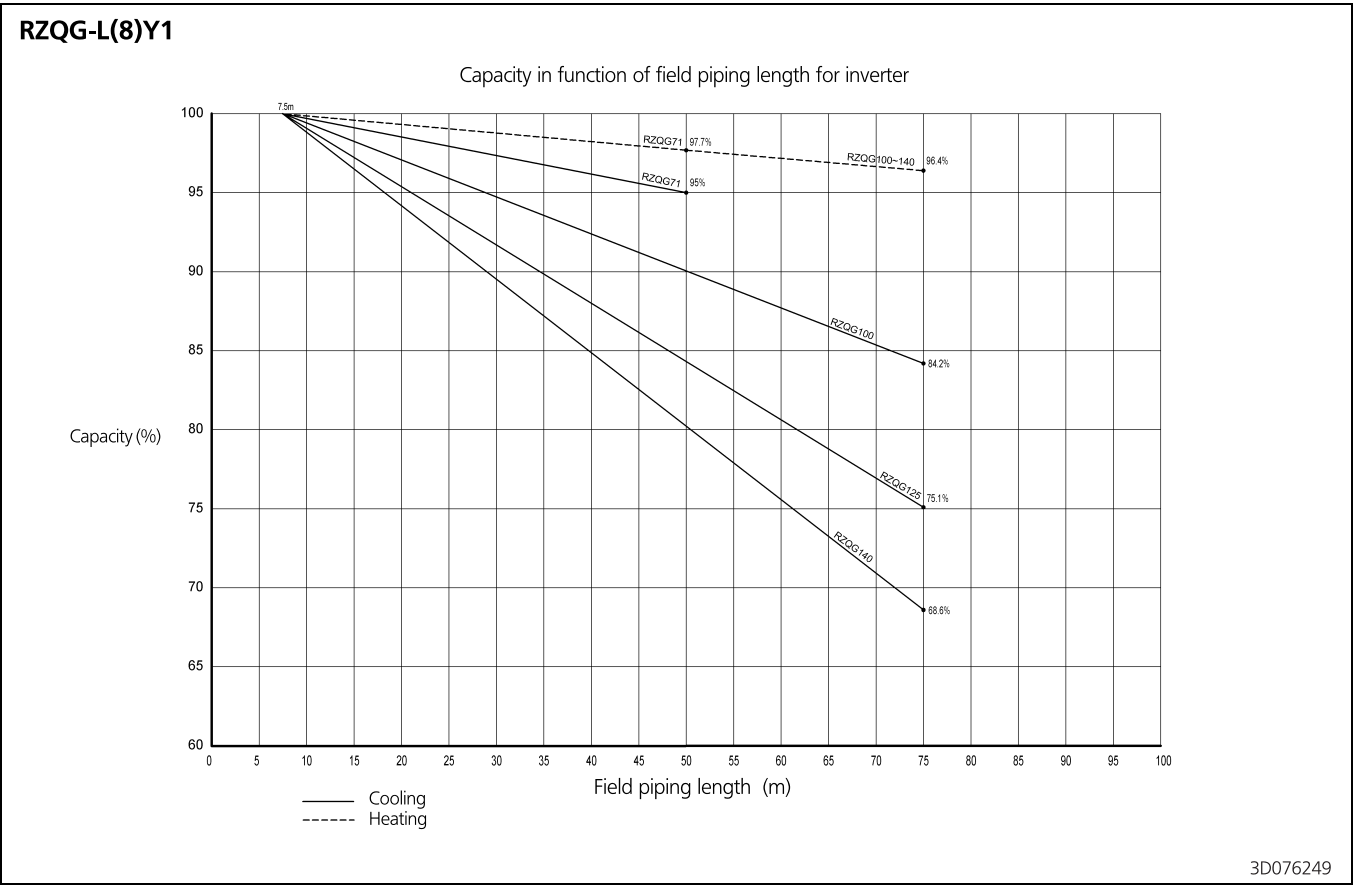
RZQG140L9V1 RZQG140L8Y1



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6 Capacity tables

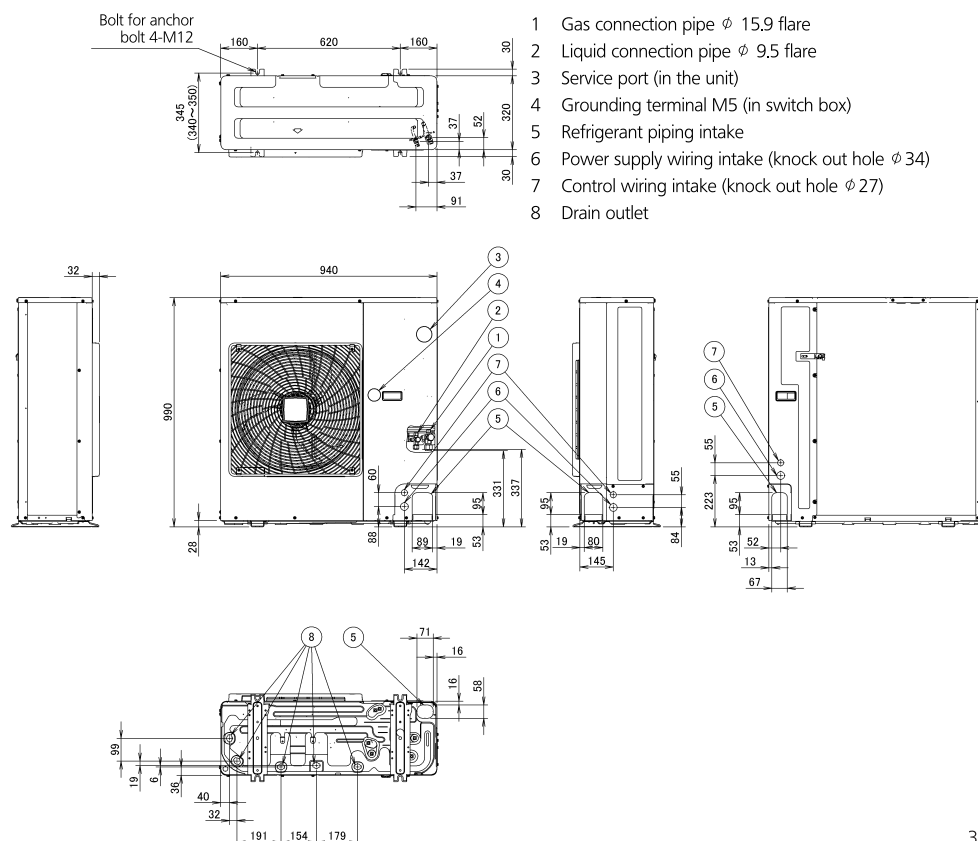
6 - 3 Capacity Correction Factor



7 Dimensional drawings

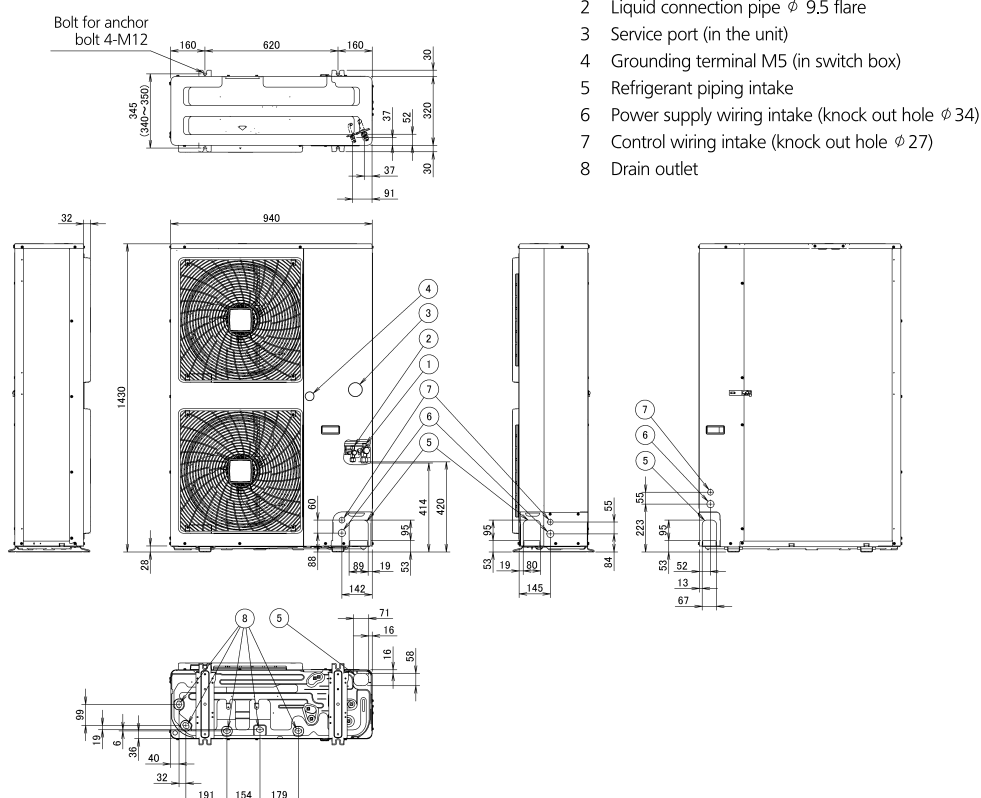
7 - 1 Dimensional Drawings

RZQG71L8Y1



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RZQG100-140L(8)Y1

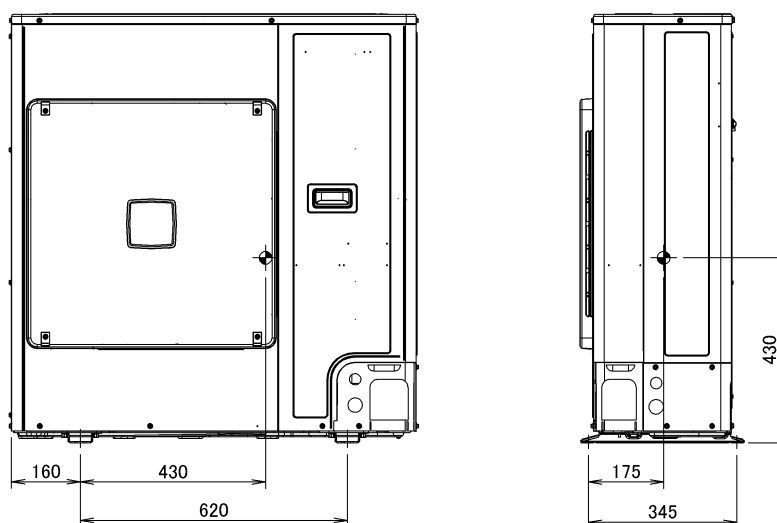


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8 Centre of gravity

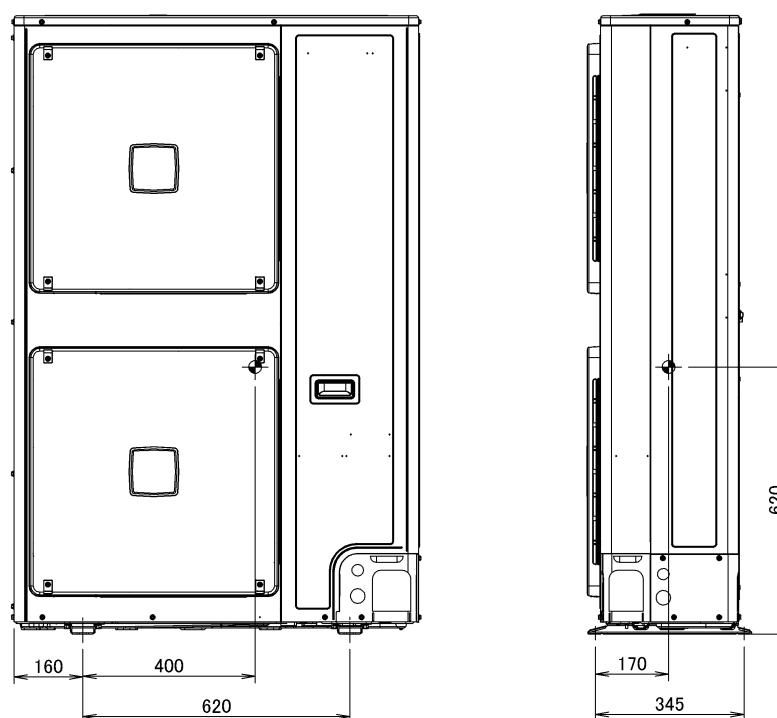
8 - 1 Centre of Gravity

RZQG71L8Y1



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RZQG100-140L(8)Y1



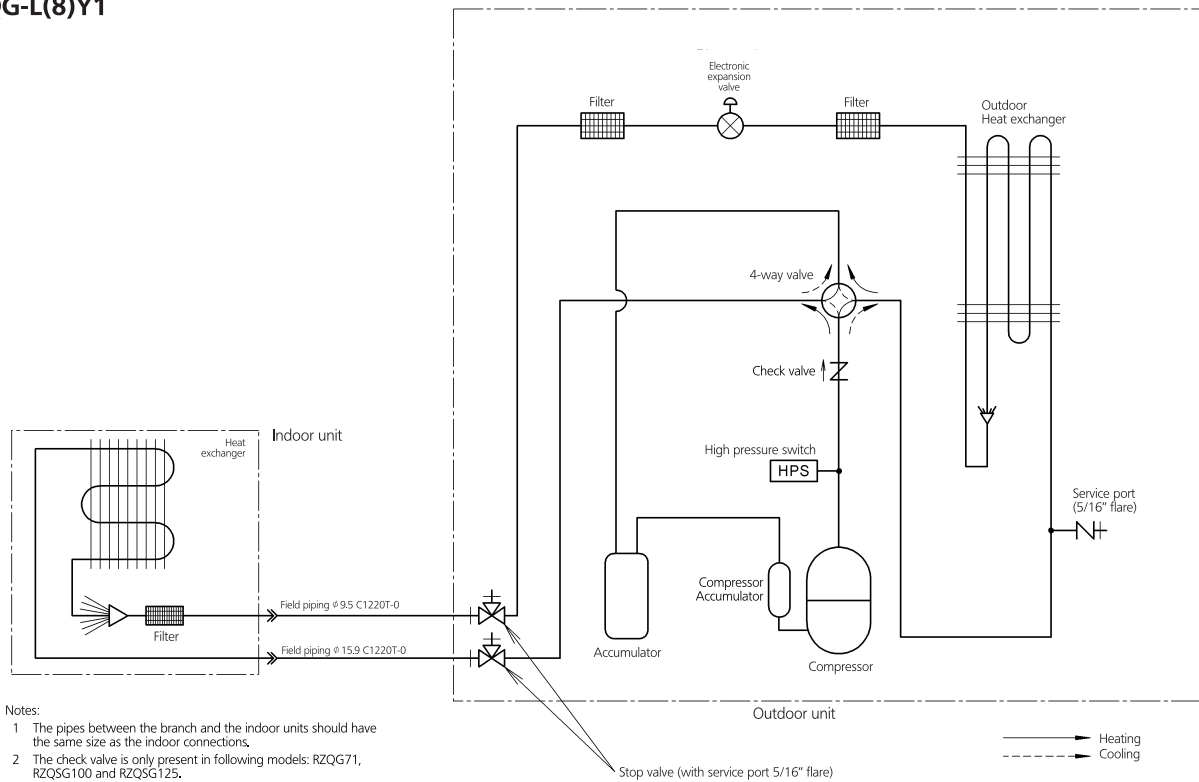
4D077808

9 Piping diagrams

9 - 1 Piping Diagrams

9

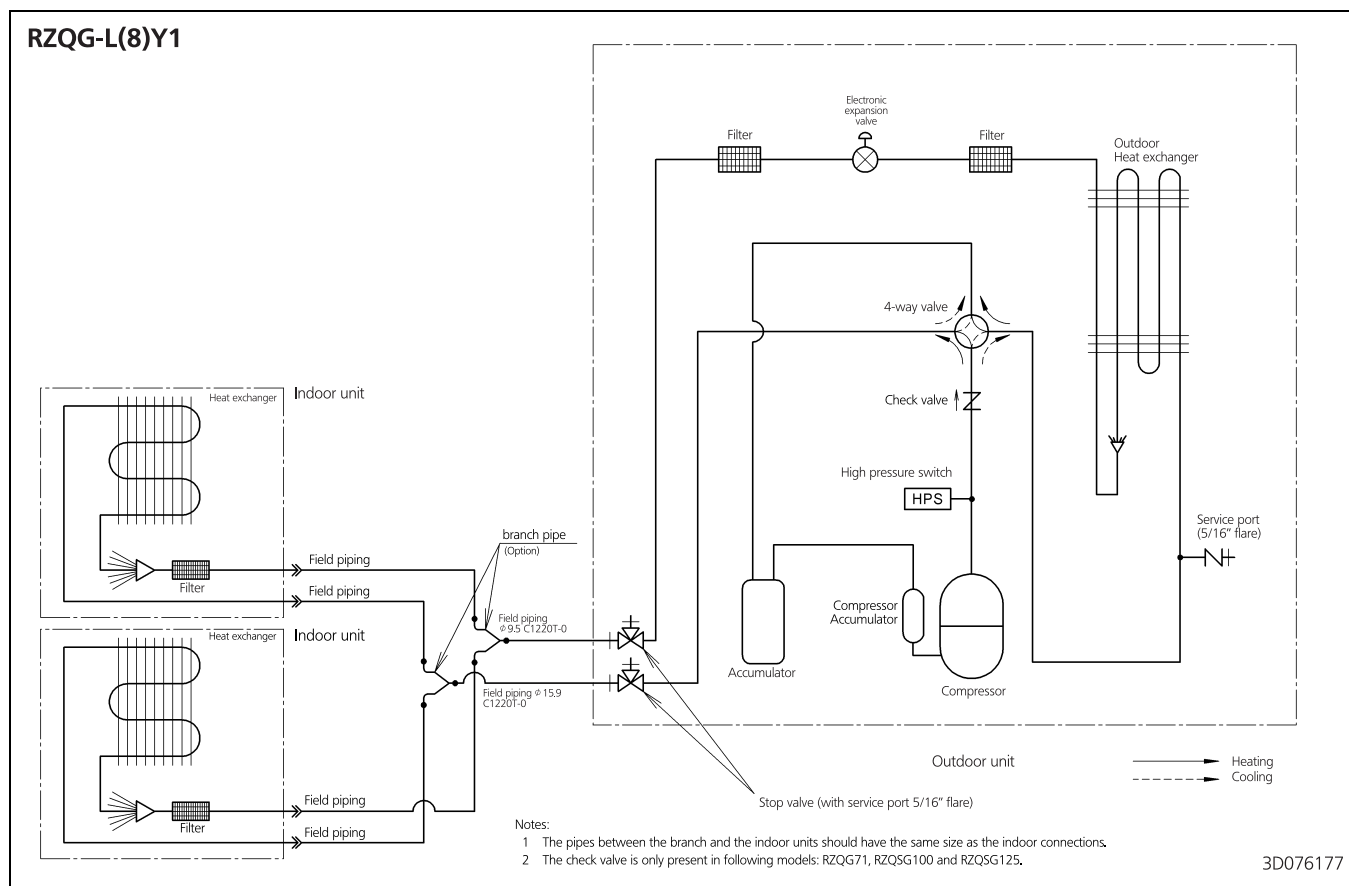
RZQG-L(8)Y1



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9 Piping diagrams

9 - 2 Piping Diagram Twin Application

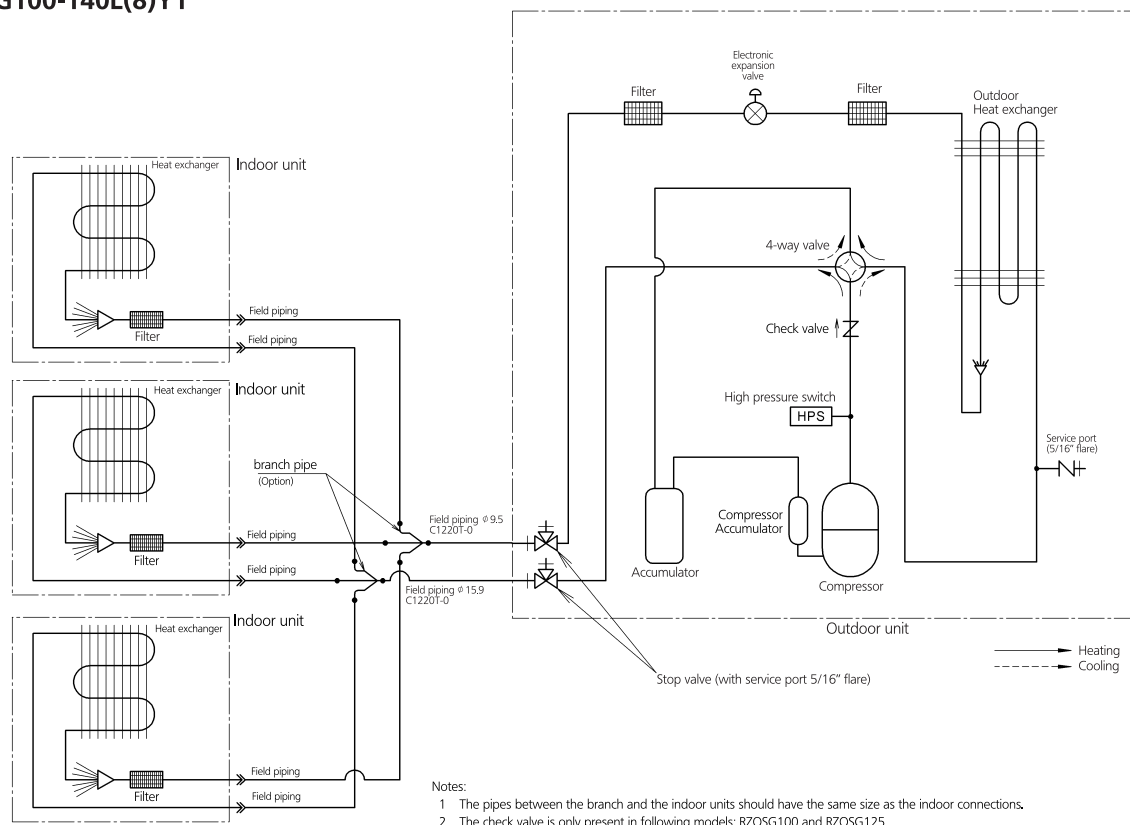


9 Piping diagrams

9 - 3 Piping Diagram Triple Application

9

RZQG100-140L(8)Y1

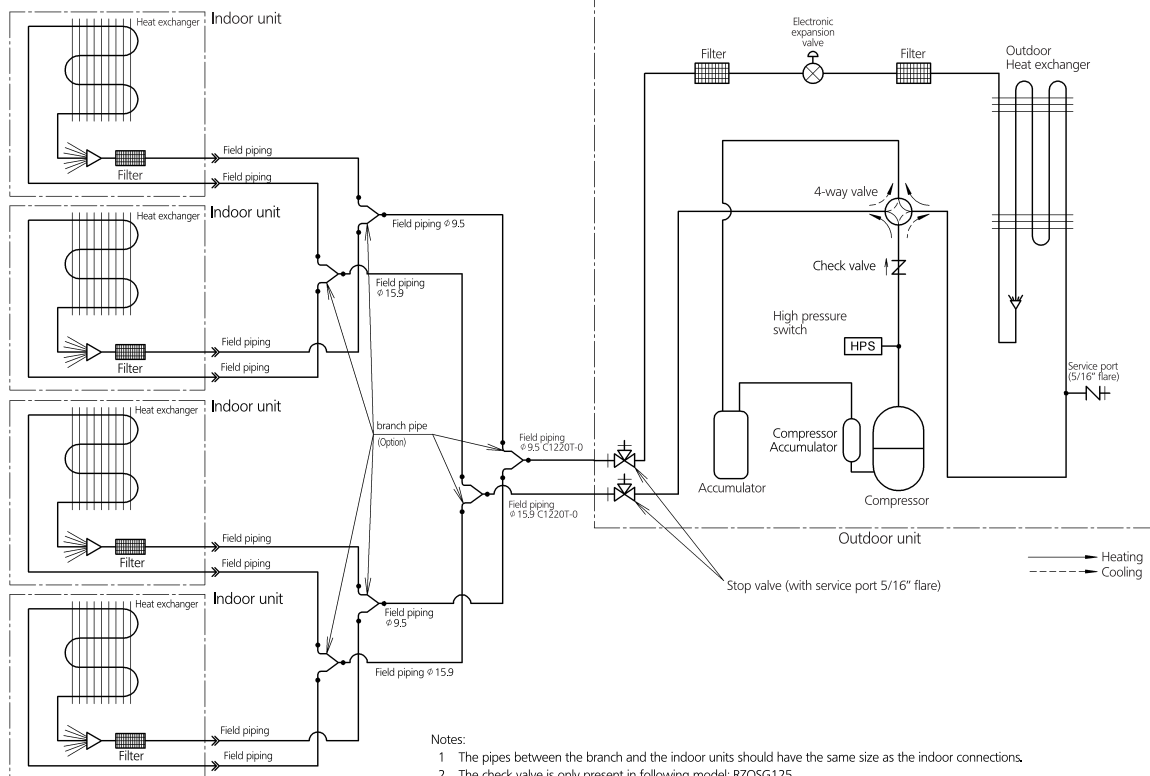


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9 Piping diagrams

9 - 4 Piping Diagram Double Twin Application

RZQG125-140L(8)Y1



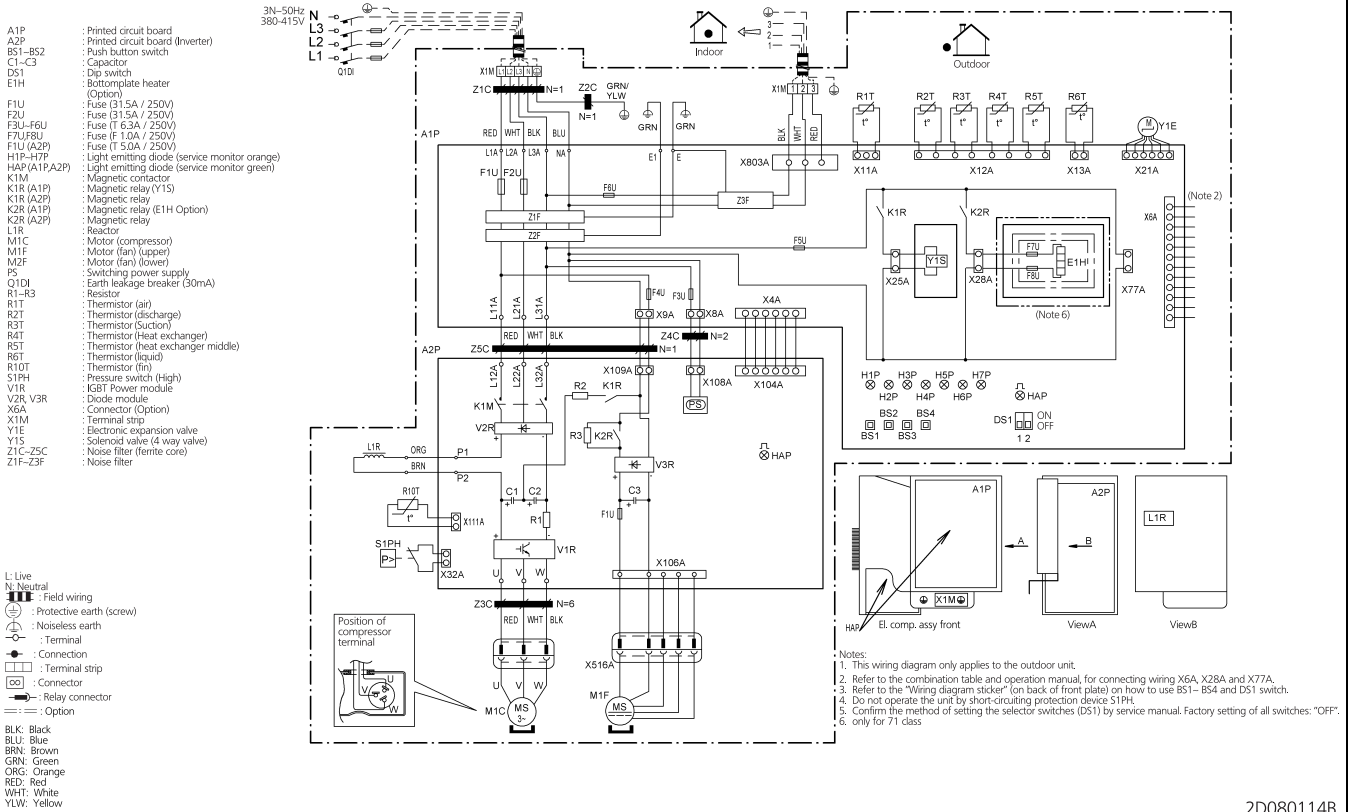
3D076179

10 Wiring diagrams

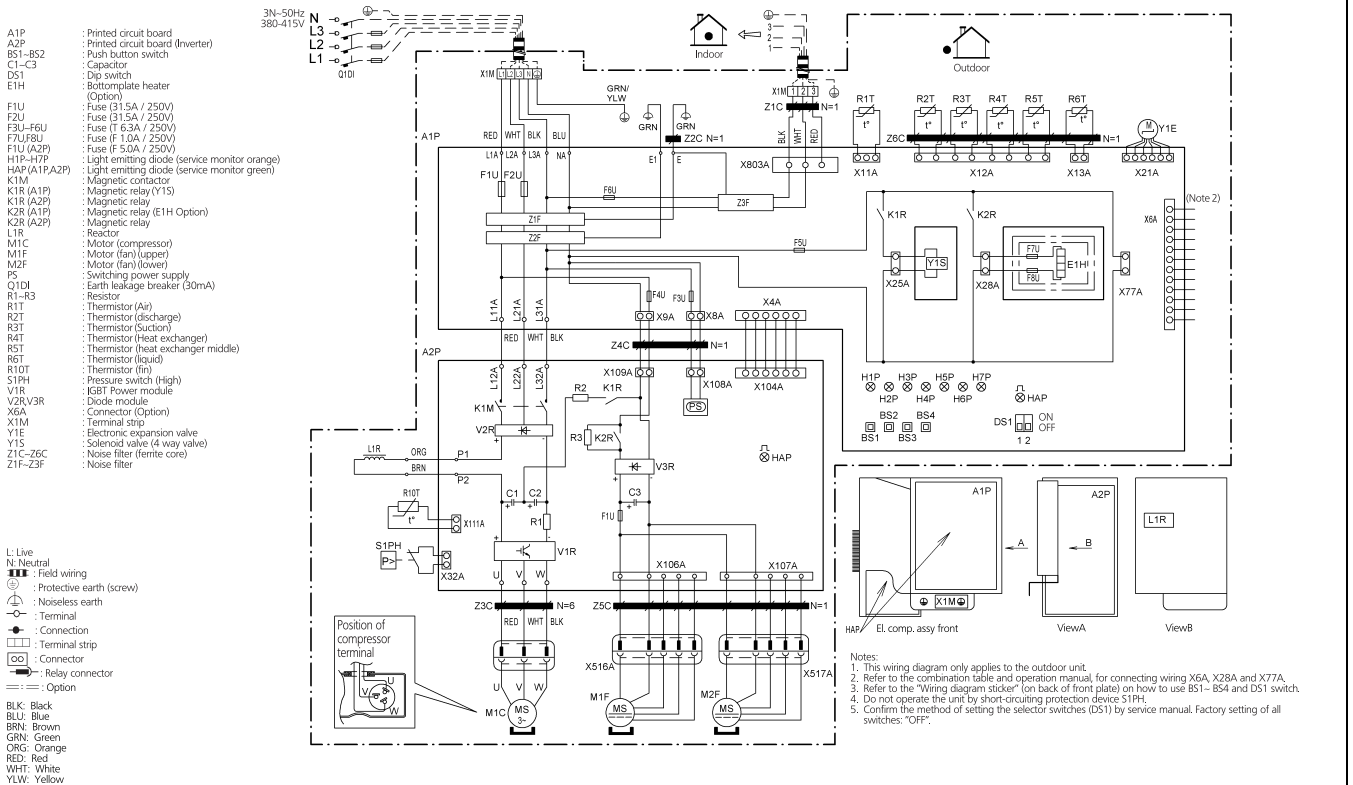
10 - 1 Wiring Diagrams - Three Phase

10

RZQG71L8Y1

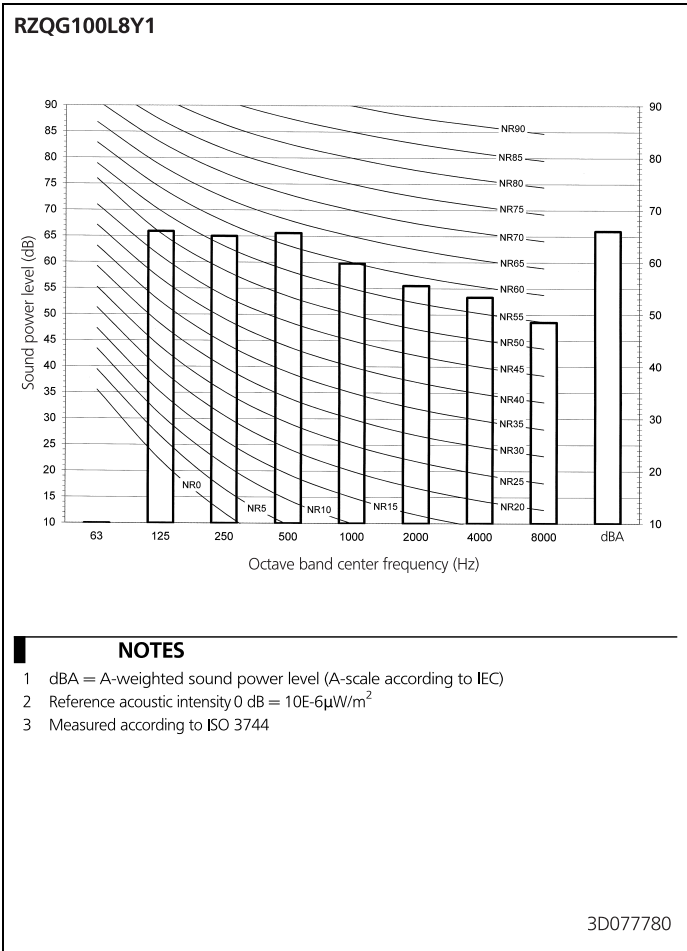
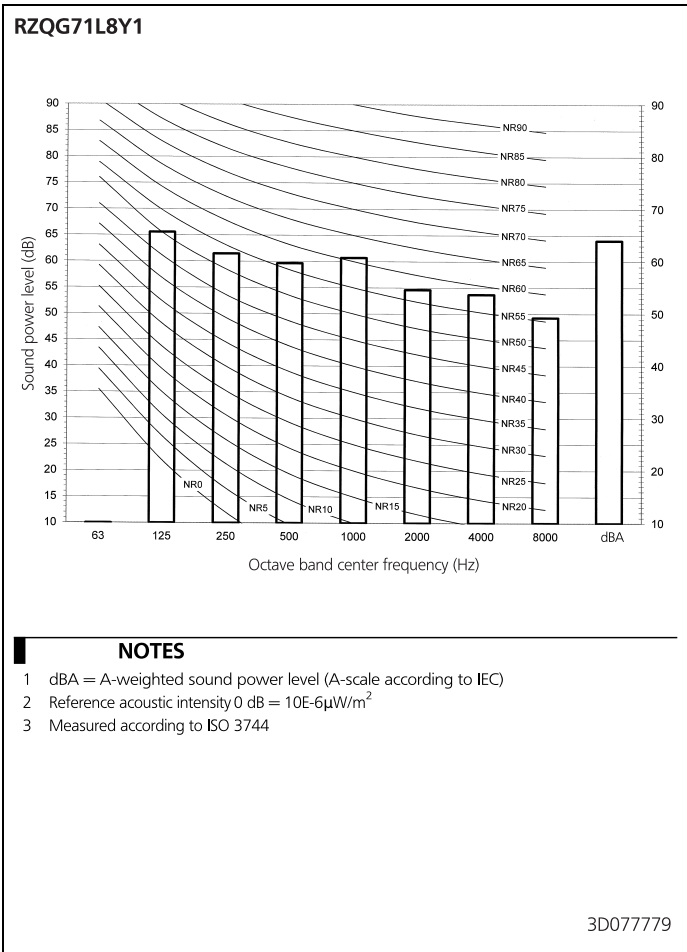


RZQG100-140L(8)Y1



11 Sound data

11 - 1 Sound Power Spectrum

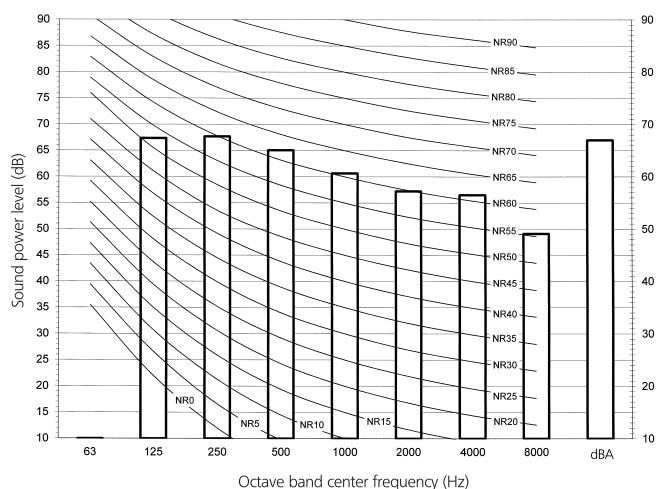


11 Sound data

11 - 1 Sound Power Spectrum

11

RZQG125L8Y1

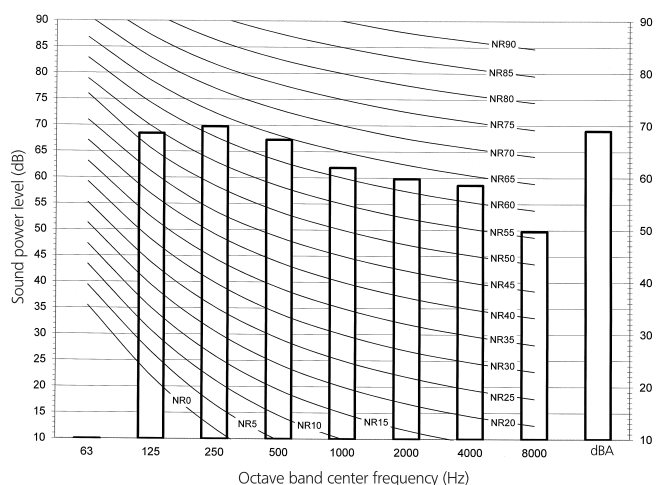


NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

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RZQG140LY1



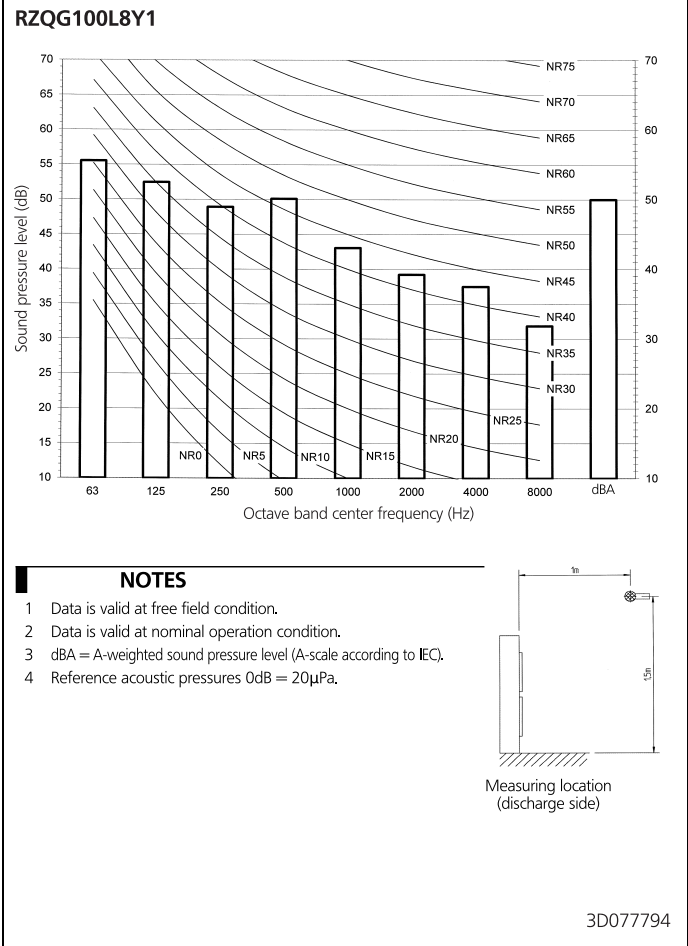
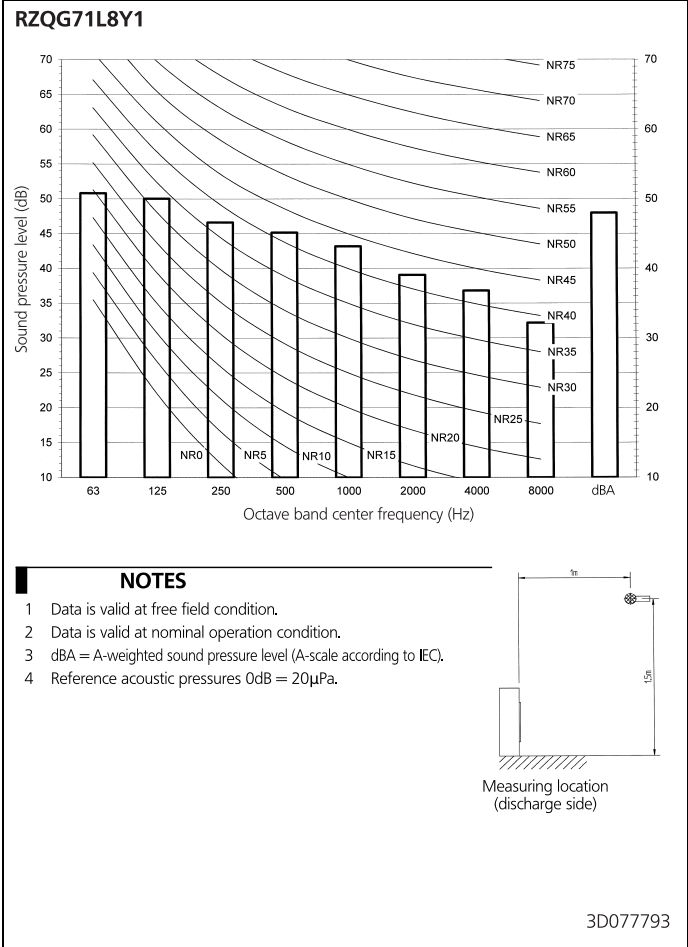
NOTES

- 1 dBA = A-weighted sound power level (A-scale according to IEC)
- 2 Reference acoustic intensity 0 dB = $10^{-6} \mu W/m^2$
- 3 Measured according to ISO 3744

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11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

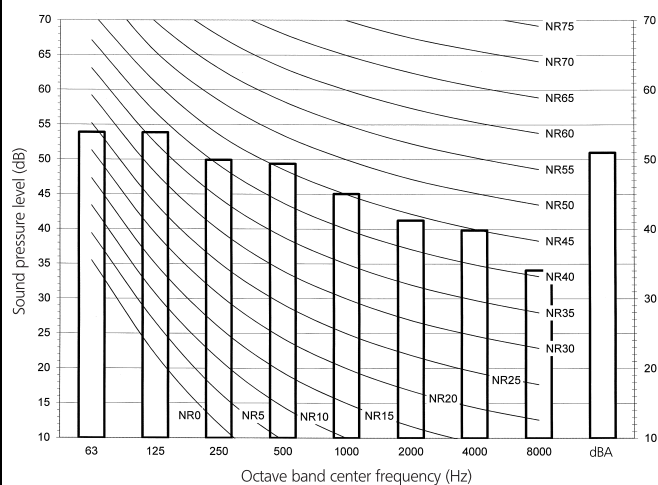


11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

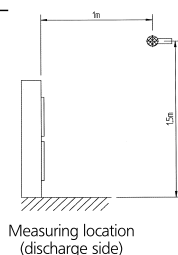
11

RZQG125L8Y1



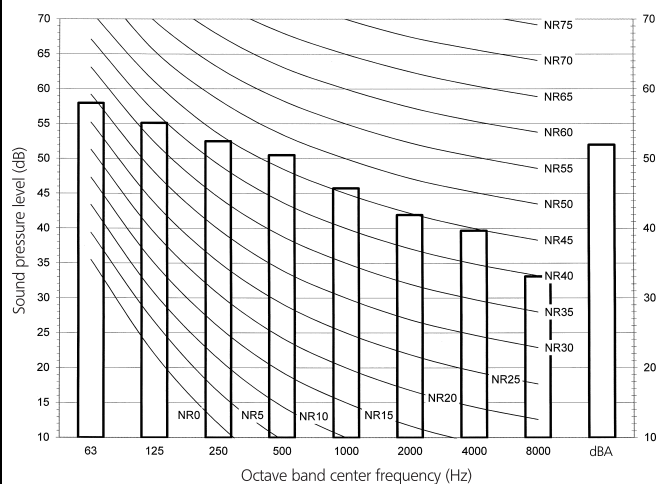
NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.



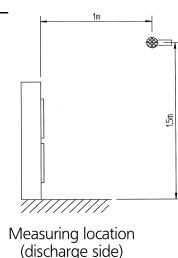
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RZQG140LY1



NOTES

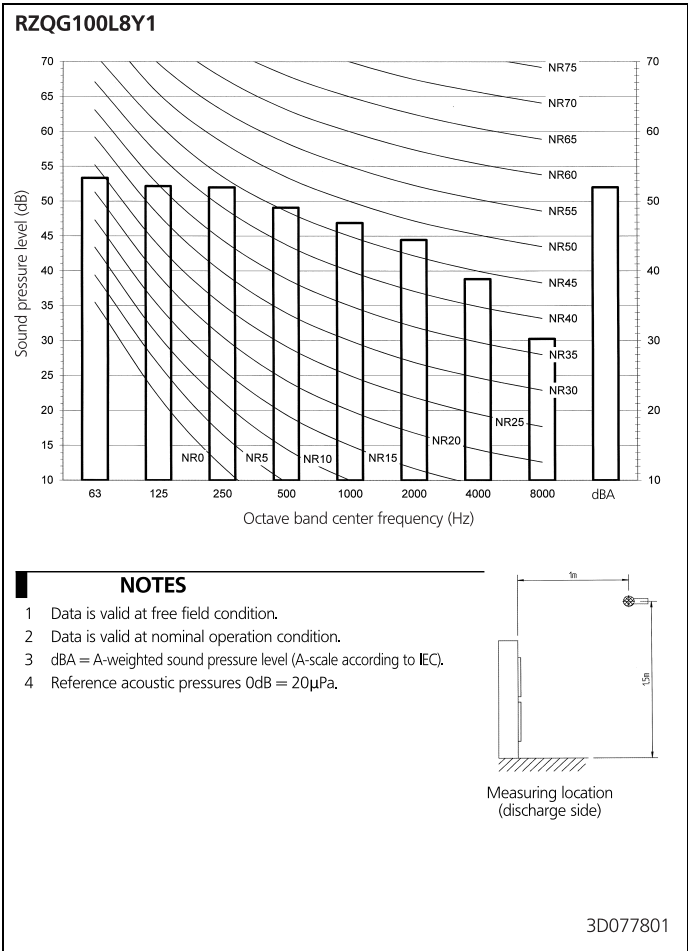
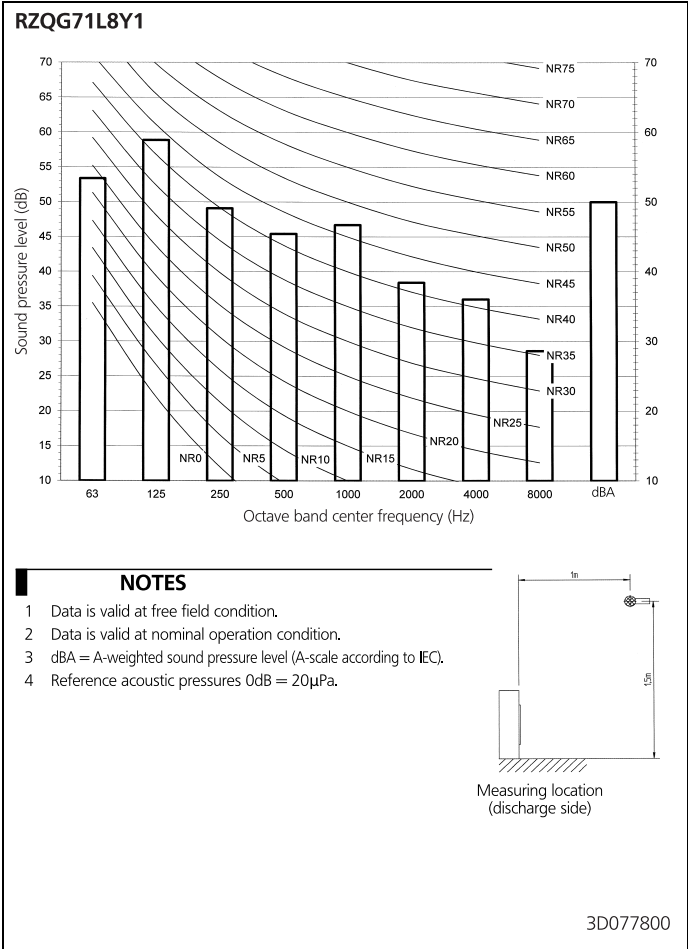
- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.



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11 Sound data

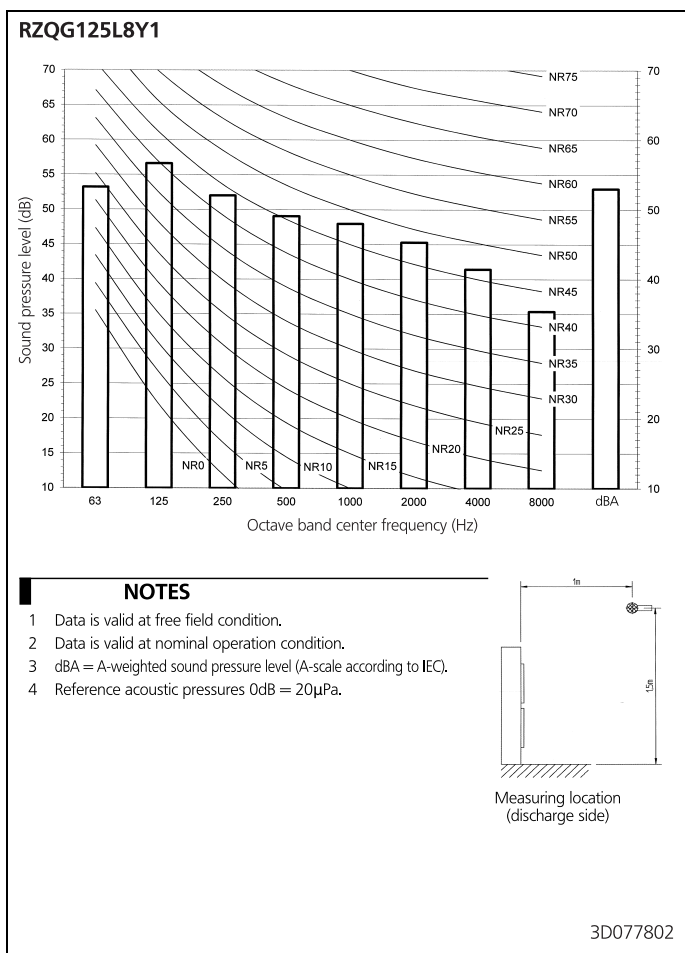
11 - 3 Sound Pressure Spectrum - Heating



11 Sound data

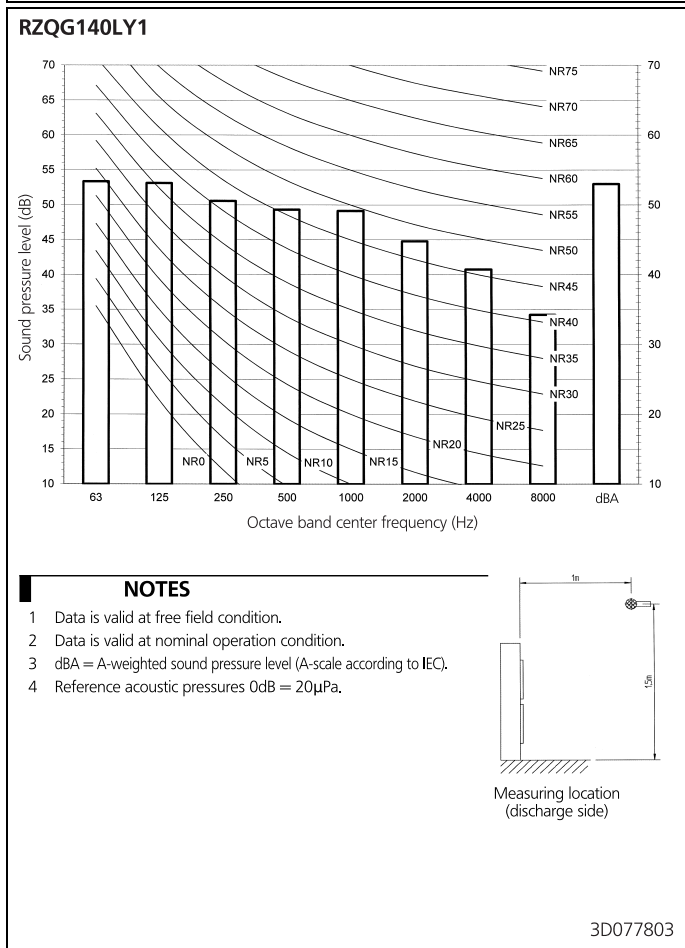
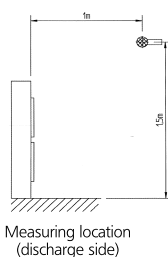
11 - 3 Sound Pressure Spectrum - Heating

11



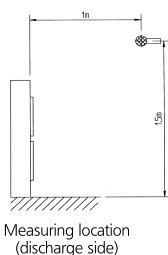
NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.



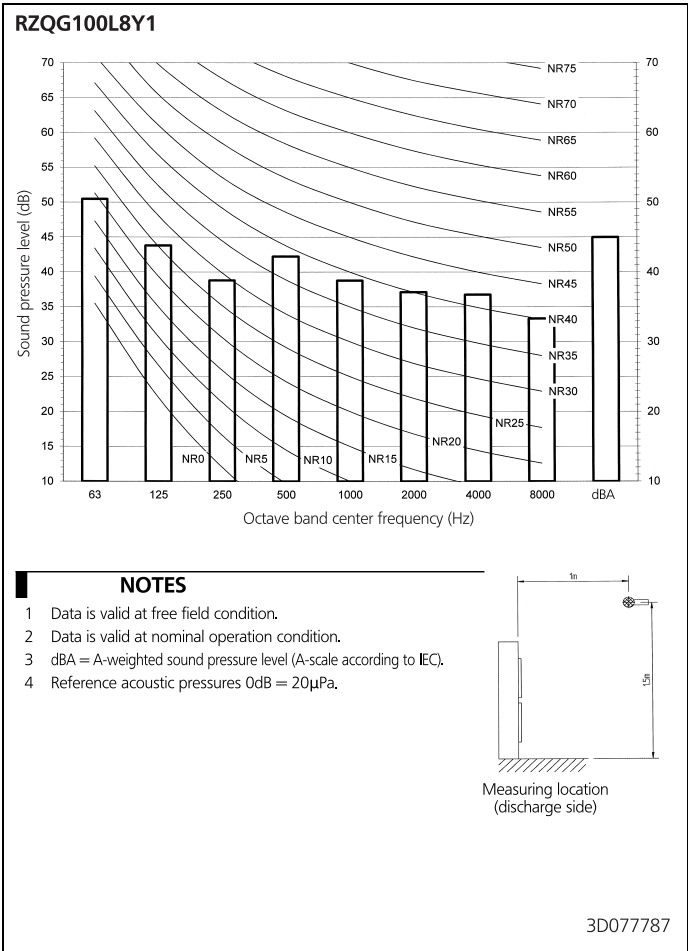
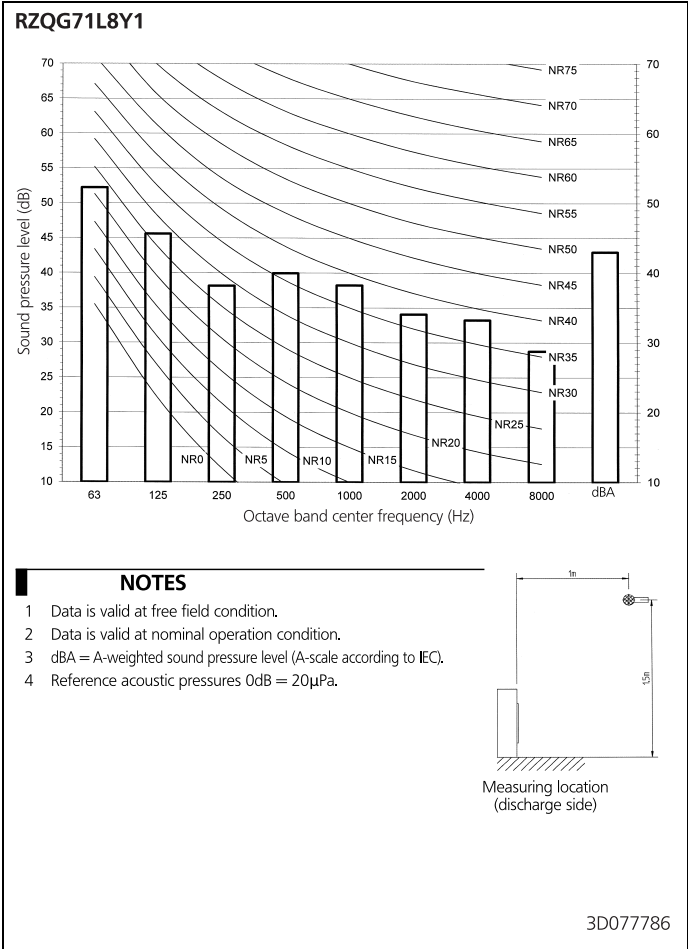
NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.



11 Sound data

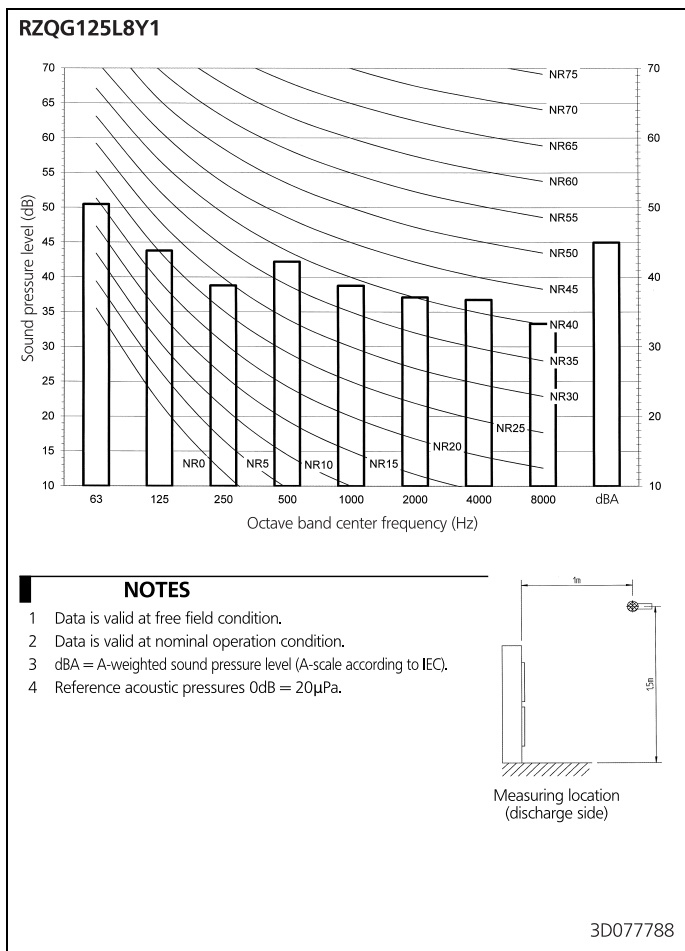
11 - 4 Sound Pressure Spectrum Quiet Mode



11 Sound data

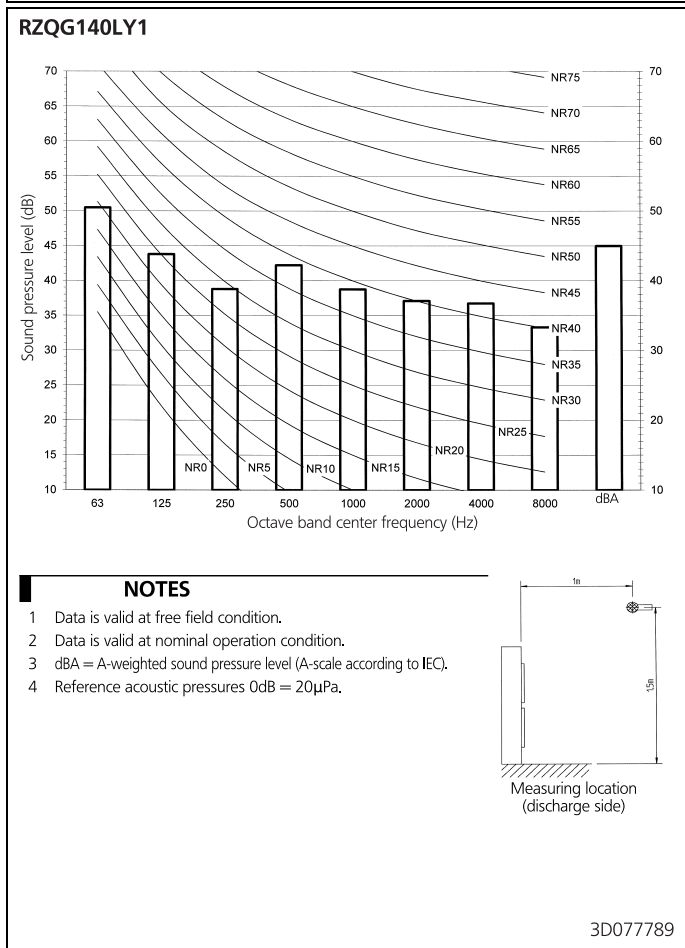
11 - 4 Sound Pressure Spectrum Quiet Mode

11



NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.



NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressures 0dB = 20μPa.

12 Installation

12 - 1 Installation Method

RZQG-L(8)Y1

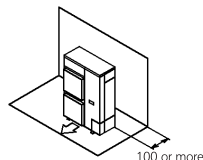
Installation service space

The measure of these values is "mm".

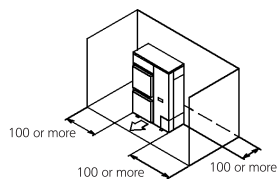
(A) When there are obstacles on suction sides.

• No obstacle above

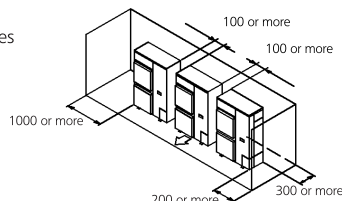
- ① Stand-alone installation
- Obstacle on the suction side only



- Obstacle on both sides and suction side, too

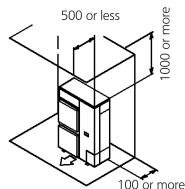


- ② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides

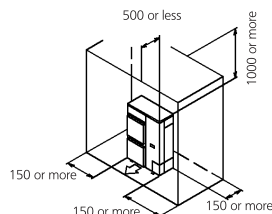


• Obstacle above, too.

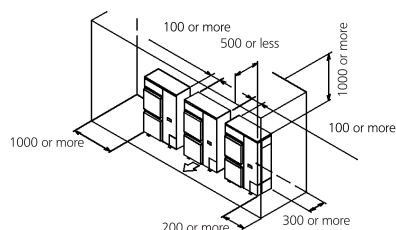
- ① Stand-alone installation
- Obstacle on the suction side, too



- Obstacle on both sides and suction side, too



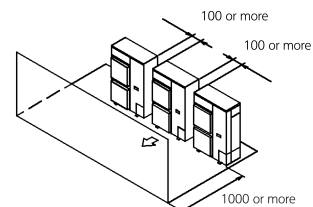
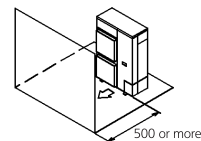
- ② Series installation (2 or more) (Note 1)
- Obstacle on the suction side and both sides



(B) When there are obstacles on discharge sides.

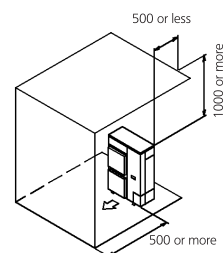
• No obstacle above

- ① Stand-alone installation
- Obstacle on the discharge side only
- ② Series installation (2 or more) (Note 1)
- Obstacle on the discharge side only

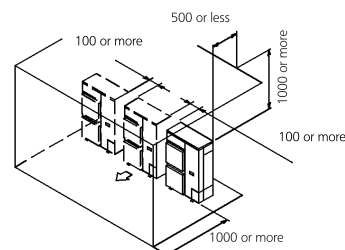


• Obstacle above, too

- ① Stand-alone installation
- Obstacle on the discharge side only, too



- ② Series installation (2 or more) (Note 1)
- Obstacle on the discharge side



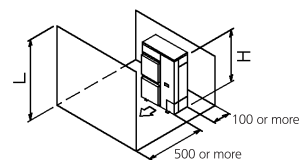
(C) When there are obstacles on both suction and discharge sides.:

Pattern 1

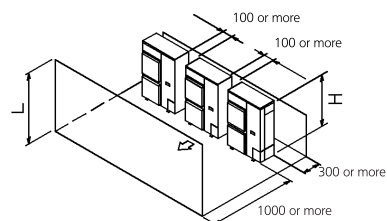
When the obstacles on the discharge side is higher than the unit. ($L > H$)
(There is no limit for the height of obstructions on the suction side.)

• No obstacle above

- ① Stand-alone installation
- No obstacle above



- ② Series installation (2 or more) (Note 1)
- No obstacle above

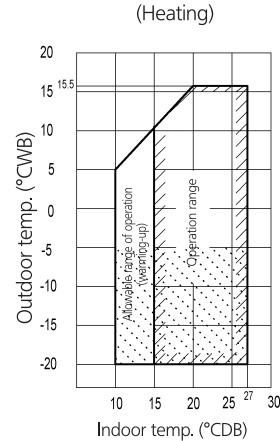
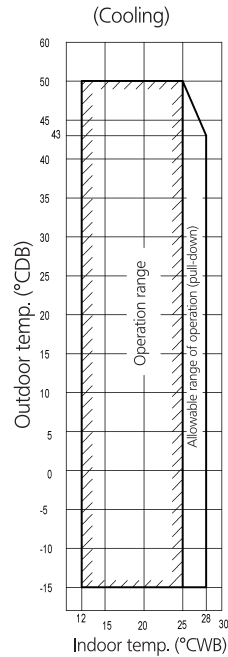


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13 Operation range

13 - 1 Operation Range

RZQG-L(8)Y1

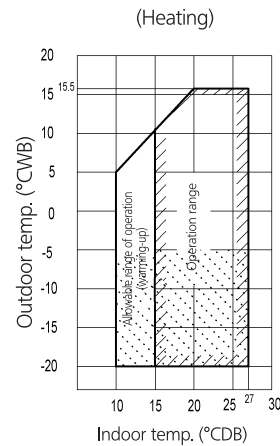
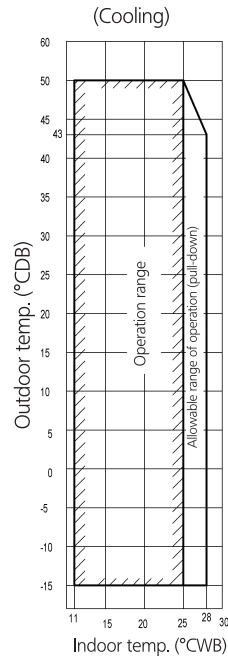


Notes:

- Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
- If the unit has to operate for 5 days in this  operation range with 100% humidity, it is advisable to install the optional bottom plate heater.

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RZQG-L(8)Y1 - EDP Room

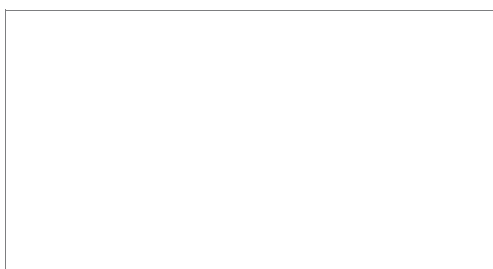


Notes:

- Depending on operation and installation conditions, the indoor unit can change over to freeze-up operation (indoor de-icing).
- To reduce the freeze-up operation (indoor de-icing) frequency, it is recommended to install the outdoor unit in a location not exposed to wind.
- If the unit has to operate for 5 days in this  operation range with 100% humidity, it is advisable to install the optional bottom plate heater.

3D076503

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XXX-06/16



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