



Air Conditioning

Technical Data

Pair, Twin, Triple, double twin



EEDEN15-100

RZQG-L9V1

TABLE OF CONTENTS

RZQG-L9V1

1	Features	2
2	Specifications	3
	Capacity and Power input	3
	Capacity and Power input	3
	Capacity and Power input	3
	Capacity and Power input	4
	Capacity and Power input	4
	Capacity and Power input	5
	Capacity and Power input	5
	Capacity and Power input	6
	Technical Specifications	6
	Electrical Specifications	8
3	Electrical data	9
4	Options	12
5	Combination table	13
6	Capacity tables	14
	Cooling/Heating Capacity Tables	14
	Capacity Correction Factor	16
7	Dimensional drawings	17
8	Centre of gravity	18
9	Piping diagrams	20
	Piping Diagrams	20
	Piping Diagram Twin Application	21
	Piping Diagram Triple Application	22
	Piping Diagram Double Twin Application	23
10	Wiring diagrams	24
	Wiring Diagrams - Single Phase	24
11	Sound data	25
	Sound Power Spectrum	25
	Sound Pressure Spectrum - Cooling	27
	Sound Pressure Spectrum - Heating	29
	Sound Pressure Spectrum Quiet Mode	31
12	Installation	33
	Installation Method	33
13	Operation range	35

1 Features

Industry leading technology for commercial applications and even for technical rooms

- Top efficiency: - 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, technical cooling applications (EDP)
- Extended operation range down to -20°C in heating
- Re-use of existing R-22 or R-407C technology
- With gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature (1~)
- 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
- Compatibility with D-BACS
- Units optimized for seasonal efficiency give an indication on how efficient an air conditioner operates over an entire heating or cooling season.



Inverter



Auto cooling-
heating
changeover

2 Specifications

2-1 Capacity and Power input				FCQG71F/RZQG71L9V1	FCQG100F/ RZQG100L9V1	FCQG125F/ RZQG125L9V1	FCQG140F/ RZQG140L9V1
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	-
	Heating	Nom.	kW	1.89	2.60	3.72	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+	-
		Pdesign	kW	6.80	9.50	12.00	-
		SEER		6.80		6.00	-
		Annual energy consumption	kWh	350	489	700	-
	Heating (Average climate)	Energy label		A+	A++	A+	-
		Pdesign	kW	6.33	11.30	12.66	-
		SCOP		4.20	4.61	4.10	-
		Annual energy consumption	kWh	2,110	3,432	4,323	-
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	2,085
	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

2-2 Capacity and Power input				FAQ71C/RZQG71L9V1	FAQ100C/RZQG100L9V1
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
		SEER		6.51	6.11
		Annual energy consumption	kWh	366	545
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	6.33	10.20
		SCOP		4.02	4.01
		Annual energy consumption	kWh	2,205	3,562
Nominal efficiency	EER			3.40	3.62
	COP			3.70	3.61
	Annual energy consumption		kWh	1,000	1,315
	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

2-3 Capacity and Power input				FCQHG71F/RZQG71L9V1	FCQHG100F/ RZQG100L9V1	FCQHG125F/ RZQG125L9V1	FCQHG140F/ RZQG140L9V1
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	1.66	2.15	3.00	4.00
	Heating	Nom.	kW	1.56	2.16	3.07	3.77

2 Specifications

2-3 Capacity and Power input				FCQHG71F/RZQG71L9V1	FCQHG100F/ RZQG100L9V1	FCQHG125F/ RZQG125L9V1	FCQHG140F/ RZQG140L9V1
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++			-
		Pdesign	kW	6.80	9.50	12.00	-
		SEER		7.00			-
		Annual energy consumption	kWh	340	475	636	-
	Heating (Average climate)	Energy label		A+	A++		-
		Pdesign	kW	7.60	11.30	12.66	-
		SCOP		4.54	4.80	4.63	-
		Annual energy consumption	kWh	2,344	3,296	3,829	-
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	2,000
	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

2-4 Capacity and Power input				FHQ71C/RZQG71L9V1	FHQ100C/RZQG100L9V1	FHQ125C/RZQG125L9V1	FHQ140C/RZQG140L9V1
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	-
		SEER		6.95	6.11	6.01	-
		Annual energy consumption	kWh	343	545	699	-
	Heating (Average climate)	Energy label		A+	A++	A+	-
		Pdesign	kW	7.60	11.30	14.13	-
		SCOP		4.32	4.61	4.23	-
		Annual energy consumption	kWh	2,463	3,432	4,677	-
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	1,245	1,790	2,025
	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

2-5 Capacity and Power input				FDQ125C/RZQG125L9V1
Cooling capacity	Nom.		kW	12.0
Heating capacity	Nom.		kW	13.5
Power input	Cooling	Nom.	kW	3.20
	Heating	Nom.	kW	3.53

2 Specifications

2-5 Capacity and Power input				FDQ125C/RZQG125L9V1	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	
		Pdesign	kW	12.00	
		SEER		5.81	
		Annual energy consumption	kWh	723	
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	12.71	
		SCOP		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

2-6 Capacity and Power input				FVQ71C/RZQG71L9V1	FVQ100C/RZQG100L9V1	FVQ125C/RZQG125L9V1	FVQ140C/RZQG140L9V1
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+		-
		Pdesign	kW	6.80	9.50	12.00	-
		SEER		6.31	5.61		-
		Annual energy consumption	kWh	378	593	749	-
	Heating (Average climate)	Energy label		A+		A	-
		Pdesign	kW	6.33	11.30		-
		SCOP		4.05	4.20	3.87	-
		Annual energy consumption	kWh	2,189	3,767	4,088	-
Nominal efficiency	EER			3.37	3.81	3.21	
	COP			3.64	4.14	3.70	3.61
	Annual energy consumption		kWh	1,010	1,245	1,870	2,085
	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

2-7 Capacity and Power input				FUQ71C/RZQG71L9V1	FUQ100C/RZQG100L9V1	FUQ125C/RZQG125L9V1
Cooling capacity	Nom.		kW	6.8	9.5	12.0
Heating capacity	Nom.		kW	7.5	10.8	13.5
Power input	Cooling	Nom.	kW	1.68	2.46	3.54
	Heating	Nom.	kW	1.84	2.73	3.95

2 Specifications

2-7 Capacity and Power input				FUQ71C/RZQG71L9V1	FUQ100C/RZQG100L9V1	FUQ125C/RZQG125L9V1
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+
		Pdesign	kW	6.80	9.50	12.00
		SEER		6.50	6.11	5.61
		Annual energy consumption	kWh	367	545	749
	Heating (Average climate)	Energy label		A+		
		Pdesign	kW	7.60	11.30	14.13
		SCOP		4.20	4.50	4.44
		Annual energy consumption	kWh	2,534	3,516	4,456
Nominal efficiency	EER			4.05	3.86	3.39
	COP			4.08	3.95	3.42
	Annual energy consumption		kWh	840	1,230	1,770
	Energy label	Cooling			A	
		Heating			A	B

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

2-8 Capacity and Power input				*FBQ71D/RZQG71L9V1	*FBQ100D/RZQG100L9V1	*FBQ125D/RZQG125L9V1	*FBQ140D/RZQG140L9V1
Indoor unit				FBQ71D	FBQ100D	FBQ125D	FBQ140D
Outdoor unit				RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
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	1.93	2.41	3.13	4.00
	Heating	Nom.	kW	1.89	2.55	3.52	4.29
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	A+		-
		Pdesign	kW	6.80	9.50	12.00	-
		SEER		6.16	5.87	5.83	-
		Annual energy consumption	kWh	386	566	720	-
	Heating (Average climate)	Energy label		A+	A++	A+	-
		Pdesign	kW	6.00	11.30	12.70	-
		SCOP		4.35	4.78	4.37	-
		Annual energy consumption	kWh	1,931	3,310	4,069	-
Nominal efficiency	EER			3.53	3.94	3.83	3.35
	COP			3.96	4.24	3.83	3.61
	Annual energy consumption		kWh	963	1,206	1,567	2,000
	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

2-9 Technical Specifications				RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
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			

2 Specifications

2-9 Technical Specifications					RZQG71L9V1		RZQG100L9V1		RZQG125L9V1		RZQG140L9V1	
Weight	Unit				kg	69	95					
	Packed unit				kg	78	104					
Heat exchanger	Fin		Type			WF fin						
			Treatment			Anti-corrosion treatment (PE)						
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		
			Super low	m³/min cfm	-							
	Heating	Nom.	m³/min	49	62							
		Super low	m³/min cfm	-								
						-						
	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					
					TCO2Eq	6.1	8.4					
	Control					Expansion valve (electronic type)						
	GWP					2,087.5						
	Circuits	Quantity				1						
Refrigerant oil	Type					FVC50K						
	Charged volume				l	0.9	1.35					

2 Specifications

2-9 Technical Specifications					RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
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		
			Chargel ess	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				
Defrost method					Reversed cycle			
Defrost control					Sensor for outdoor heat exchanger temperature			
Safety devices	Item	01			High pressure switch			
		02			Low pressure switch			
		03			Fan driver overload protector			
		04			Fuse			

2-10 Electrical Specifications				RZQG71L9V1	RZQG100L9V1	RZQG125L9V1	RZQG140L9V1
Power supply	Name			V1			
	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
	Voltage range	Min.	%	-10			
		Max.	%	10			
Current	Zmax	List		Complies to EN61000-3-11			
	Recommended fuses		A	25	40		
Current - 50Hz	Maximum fuse amps (MFA)		A	-			
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

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

3 with re-charging

Minimum Ssc (=Short-circuit power) value: Equipment complying with EN/IEC 61000-3-12: European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16A and ≤ 75A per phase

See separate drawing for electrical data

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

RZQG-L9V1

	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8
RZQG71L9V1	2 (77.1)			P (89.7)			
RZQG100L9V1	3 (97.3)	2 (77.1)			P (89.7)		
RZQG125L9V1	3/4 (116.2)	3 (97.3)	2 (138.1)			P (89.7)	
RZQG140L9V1	4 (116.2)	3 (97.3)		2 (138.1)			P (89.7)

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

4D076495

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

3 - 1 Electrical Data

RZQG71-100L9V1

Indoor	Outdoor	Hz	Voltage	MCA	TOCA	MFA	Comp		OFM		IFM	
							MSC	RLA	kW	FLA	kW	FLA
FCQHG71FVEB		50Hz 220-240V	Min. 198V Max. 264V	18.2	—	20	—	15.6	0.094	0.4	0.091	0.5
FCQG35FVEB	x2			18.4	—	20	—	15.6	0.094	0.4	0.044x2	0.3x2
FCQG71FVEB				18.1	—	20	—	15.6	0.094	0.4	0.054	0.4
FFQ35C2VEB	x2			18.6	—	20	—	15.6	0.094	0.4	0.050x2	0.4x2
FDXS35F2VEB	x2			18.4	—	20	—	15.6	0.094	0.4	0.034x2	0.3x2
FBQ35C8VEB	x2			20.6	—	25	—	15.6	0.094	0.4	0.140x2	1.2x2
FBQ71C8VEB				19.0	—	20	—	15.6	0.094	0.4	0.350	1.1
FAQ71CVEB				18.1	—	20	—	15.6	0.094	0.4	0.048	0.4
FVQ71CVEB				18.4	—	20	—	15.6	0.094	0.4	0.117	0.6
FHQ35CAVEB	x2			19.1	—	20	—	15.6	0.094	0.4	0.060 x 2	0.6 x 2
FHQ71CAVEB				18.6	—	20	—	15.6	0.094	0.4	0.091	0.8
FUQ71CVEB				18.7	—	20	—	15.6	0.094	0.4	0.046	0.9
FCQHG100FVEB		50Hz 220-240V	Min. 198V Max. 264V	29.1	—	32	—	24.2	0.094+0.094	0.4+0.4	0.221	1.3
FCQG35FVEB	x3			28.6	—	32	—	24.2	0.094+0.094	0.4+0.4	0.044x3	0.3x3
FCQG50FVEB	x2			28.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.039x2	0.3x2
FCQG100FVEB				28.4	—	32	—	24.2	0.094+0.094	0.4+0.4	0.117	0.7
FFQ35C2VEB	x3			29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.050x3	0.4x3
FFQ50C2VEB	x2			28.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.050x2	0.4x2
FDXS35F2VEB	x3			28.6	—	32	—	24.2	0.094+0.094	0.4+0.4	0.034x3	0.3x3
FDXS50F2VEB9	x2			28.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.06x2	0.5x2
FBQ35C8VEB	x3			32.0	—	40	—	24.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3
FBQ50C8VEB	x2			30.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.140x2	1.2x2
FBQ100C8VEB				29.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.350	1.6
FAQ100CVEB				28.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.064	0.4
FVQ100CVEB				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.238	1.2
FHQ35CAVEB	x3			29.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.060 x 3	0.6 x 3
FHQ50CAVEB	x2			29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.060 x 2	0.6 x 2
FHQ100CAVEB				29.1	—	32	—	24.2	0.094+0.094	0.4+0.4	0.150	1.3
FUQ100CVEB				29.1	—	32	—	24.2	0.094+0.094	0.4+0.4	0.106	1.3

SYMBOLS

MCA	: Min. Circuit Amps. (A)
TOCA	: Total Over-Current Amps. (A)
MFA	: Max. Fuse Amps. (See note 7) (A)
MSC	: Max. current during the starting compressor, (A)
RLA	: Rated Load Amps. (A)
OFM	: Outdoor Fan Motor. (A)
IFM	: Indoor Fan Motor.
FLA	: Full Load Amps.
kW	: Fan Motor Rated Output. (kW)

NOTES

- RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temperature 27.0°CDB/19.0°CWB
Outdoor temperature 35.0°CDB
Heating
Indoor temperature 20.0°CDB
Outdoor temperature 7.0°CDB / 6.0°CWB
- TOCA means the total value of each OC set.
- Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current, MFA represents capacity which may accept MCA.
(next lower standard fuse rating, min.15A)
- Select wire size based on the larger value of MCA or TOCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter.
(earth leakage circuit breaker)

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3 Electrical data

3 - 1 Electrical Data

RZQG125-140L9V1

25-140L9V1							Comp		OFM		IFM					
Indoor		Outdoor		Hz~	Voltage	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA		
FCQHG125FVEB		RZQG125L9V1	50Hz 220-240V	Min. 198V Max. 264V	29.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.244	1.4			
FCQG35FVEB	x4				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.044x4	0.3x4			
FCQG50FVEB	x3				28.6	—	32	—	24.2	0.094+0.094	0.4+0.4	0.039x3	0.3x3			
FCQG60FVEB	x2				28.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.044x2	0.3x2			
FCQG125FVEB					28.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.168	1.0			
FFQ35C2VEB	x4				29.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.050x4	0.4x4			
FFQ50B9V1B	x3				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.050x3	0.4x3			
FFQ60B9V1B	x2				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.050x2	0.6x2			
FDXS35F2VEB	x4				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.034x4	0.3x4			
FDXS50F2VEB9	x3				29.4	—	32	—	24.2	0.094+0.094	0.4+0.4	0.06x3	0.5x3			
FDXS60F2VEB	x2				28.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.060x2	0.5x2			
FBQ35C8VEB	x4				33.5	—	40	—	24.2	0.094+0.094	0.4+0.4	0.140x4	1.2x4			
FBQ50C8VEB	x3				32.0	—	40	—	24.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3			
FBQ60C8VEB	x2				30.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.350x2	1.1x2			
FBQ125C8VEB					30.1	—	32	—	24.2	0.094+0.094	0.4+0.4	0.350	2.1			
FHQ35BWV1B	x4				30.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.062x4	0.6x4			
FHQ50BWV1B	x3				29.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.062x3	0.6x3			
FHQ60BWV1B	x2				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.062x2	0.6x2			
FHQG125CVEB					29.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.150	1.6			
FUQ125BWV1B					28.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.289	1.0			
FDQ125C7VEB					30.1	—	32	—	24.2	0.094+0.094	0.4+0.4	0.350	2.1			
FVQ125CVEB					29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.238	1.2			
FHQ35CAVEB	x4				30.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0.6 x 4			
FHQ50CAVEB	x3				29.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.060 x 3	0.6 x 3			
FHQ60CAVEB	x2				29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.091 x 2	0.6 x 2			
FHQ125CAVEB					29.4	—	32	—	24.2	0.094+0.094	0.4+0.4	0.150	1.5			
FUQ125CVEB					29.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.106	1.4			
FCQHG71FVEB	x2				RZQG140L9V1	50Hz 220-240V	Min. 198V Max. 264V	28.8	—	32	—	24.2	0.094+0.094	0.4+0.4	0.091x2	0.5x2
FCQHG140FVEB								29.3	—	32	—	24.2	0.094+0.094	0.4+0.4	0.244	1.4
FCQG35FVEB	x4							29.0	—	32	—	24.2	0.094+0.094	0.4+0.4	0.044x4	0.3x4
FCQG50FVEB	x3							28.6	—	32	—	24.2	0.094+0.094	0.4+0.4	0.039x3	0.3x3
FCQG71FVEB	x2							28.5	—	32	—	24.2	0.094+0.094	0.4+0.4	0.054x2	0.4x2
FCQG140FVEB		28.8	—	32				—	24.2	0.094+0.094	0.4+0.4	0.168	1.0			
FFQ35C2VEB	x4	29.5	—	32				—	24.2	0.094+0.094	0.4+0.4	0.050x4	0.4x4			
FFQ50C2VEB	x3	29.0	—	32				—	24.2	0.094+0.094	0.4+0.4	0.050x3	0.4x3			
FDXS35F2VEB	x4	29.0	—	32				—	24.2	0.094+0.094	0.4+0.4	0.034x4	0.3x4			
FDXS50F2VEB9	x3	29.4	—	33				—	25.2	0.094+0.094	0.4+0.4	0.06x3	0.5x3			
FBQ35C8VEB	x4	33.5	—	40				—	24.2	0.094+0.094	0.4+0.4	0.140x4	1.2x4			
FBQ50C8VEB	x3	32.0	—	40				—	24.2	0.094+0.094	0.4+0.4	0.140x3	1.2x3			
FBQ71C8VEB	x2	30.3	—	32				—	24.2	0.094+0.094	0.4+0.4	0.350x2	1.1x2			
FBQ140C8VEB		30.1	—	32				—	24.2	0.094+0.094	0.4+0.4	0.350	2.1			
FAQ71CVEB	x2	28.5	—	32				—	24.2	0.094+0.094	0.4+0.4	0.048x2	0.4x2			
FVQ140CVEB		29.3	—	32				—	24.2	0.094+0.094	0.4+0.4	0.276	1.4			
FHQ35CAVEB	x4	30.5	—	32				—	24.2	0.094+0.094	0.4+0.4	0.060 x 4	0.6 x 4			
FHQ50CAVEB	x3	29.8	—	32				—	24.2	0.094+0.094	0.4+0.4	0.060 x 3	0.6 x 3			
FHQ71CAVEB	x2	29.5	—	32				—	24.2	0.094+0.094	0.4+0.4	0.091 x 2	0.8 x 2			
FHQ140CAVEB		29.8	—	32				—	24.2	0.094+0.094	0.4+0.4	0.150	1.8			
FUQ71CVEB	x2	29.8	—	32				—	24.2	0.094+0.094	0.4+0.4	0.046 x 2	0.9 x 2			

SYMBOLS

MCA	: Min. Circuit Amps. (A)
TOCA	: Total Over-Current Amps. (A)
MFA	: Max. Fuse Amps. (See note 7) (A)
MSC	: Max. current during the starting compressor. (A)
RLA	: Rated Load Amps. (A)
OFM	: Outdoor Fan Motor. (A)
IFM	: Indoor Fan Motor.
FLA	: Full Load Amps.
kW	: Fan Motor Rated Output. (kW)

NOTES

- RLA is based on the following conditions:
Power supply: 50Hz 230V
Cooling
Indoor temperature 27.0°CDB/19.0°CWB
Outdoor temperature 35.0°CDB
Heating
Indoor temperature 20.0°CDB
Outdoor temperature 7.0°CDB / 6.0°CWB
- TOCA means the total value of each OC set.
- Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage variation between phases is 2%.
- MCA represents maximum input current. MFA represents capacity which may accept MCA.
(next lower standard fuse rating, min.15A)
- Select wire size based on the larger value of MCA or TOCA.
- MFA is used to select the circuit breaker and the ground fault circuit interrupter.
(earth leakage circuit breaker)

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4 Options

4 - 1 Options

RZQG-L9V1

Available options for RZQG models

Option		Option kit			
		RZQG71L9V1B	RZQG100L9V1B	RZQG125L9V1B	RZQG140L9V1B
Bottom plate heater		EKBPH140L7			
Refrigerant branch piping	Twin	KHRQ22M20TA			
	Triple	-	KHRQ127H		
	Double twin	-	-	KHRQ22M20TA (3x)	
Demand adaptor kit		KRP58M51MK			

Available options for RZQSG models

Option		Option kit			
		RZQSG71L3V1B	RZQSG100L9V1B	RZQSG125L9V1B	RZQSG140L9V1B
Bottom plate heater		-			
Refrigerant branch piping	Twin	KHRQ22M20TA			
	Triple	-	KHRQ127H		
	Double twin	-	-	KHRQ22M20TA (3x)	
Demand adaptor kit		KRP58M51		KRP58M51MK	

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5 Combination table

5 - 1 Combination Table

RZQG-L9V1

Possible combinations

P= Pair	71	100	125	140
2= Twin	35+35	50+50	60+60	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	FCQHG71FVEB	FCQHG100FVEB	FCQHG125FVEB	FCQHG140FVEB	FCQGS39FVEB	FCQGS60FVEB	FCQGS71FVEB	FCQGS100FVEB	FCQGS125FVEB	FCQGS140FVEB	FFQ35C2VEB	FFQ35C2VEB	FFQ35C2VEB	FBQ35C3VEB	FBQ50C3VEB	FBQ60C3VEB	FBQ71C3VEB	FBQ100C3VEB	FBQ125C3VEB	FBQ140C3VEB	FHQ35BV1B8	FHQ50BV1B8	FHQ60BV1B8	FHQ71C1VEB	FHQG100C1VEB	FHQG125C1VEB	FHQG140C1VEB	FUQ71C1VEB	FUQ100C1VEB	FUQ125C1VEB	FAQ71C1VEB	FAQ100C1VEB	FDQ125C1VEB	FVQ71C1VEB	FVQ100C1VEB	FVQ125C1VEB	FVQ140C1VEB	FDXS35F2VEB	FDXS50F2VEB	FDXS60F2VEB		
RZQG71L9V1B	RZQG71L8Y1B	P			2			P			2			2			P				2			P			P			P				P					2			
RZQG100L9V1B	RZQG100L8Y1B		P			3	2				3	2		3	2			P			3	2				P				P				P					3	2		
RZQG125L9V1B	RZQG125L8Y1B			P		4	3	2			P	4	3	2	4	3	2			P		4	3	2						P				P						4	3	2
RZQG140L9V1B	RZQG140L7Y1B	2			P	4	3		2			P	4	3	4	3		2		P		4	3		2				P	2				2					P	4	3	

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	FCQHG71FVEB	FCQHG100FVEB	FCQHG125FVEB	FCQHG140FVEB	FCQGS39FVEB	FCQGS60FVEB	FCQGS71FVEB	FCQGS100FVEB	FCQGS125FVEB	FCQGS140FVEB	FFQ35C2VEB	FFQ35C2VEB	FFQ35C2VEB	FBQ35C3VEB	FBQ50C3VEB	FBQ60C3VEB	FBQ71C3VEB	FBQ100C3VEB	FBQ125C3VEB	FBQ140C3VEB	FHQ35BV1B8	FHQ50BV1B8	FHQ60BV1B8	FHQ71C1VEB	FHQG100C1VEB	FHQG125C1VEB	FHQG140C1VEB	FUQ71C1VEB	FUQ100C1VEB	FUQ125C1VEB	FAQ71C1VEB	FAQ100C1VEB	FDQ125C1VEB	FVQ71C1VEB	FVQ100C1VEB	FVQ125C1VEB	FVQ140C1VEB	FDXS35F2VEB	FDXS50F2VEB	FDXS60F2VEB			
RZQSG71L3V1B		P			2			P			2			2			P				2			P									P						2				
RZQSG100L9V1B	RZQSG100L8Y1B		P			3	2				3	2		3	2			P			3	2				P							P							3	2		
RZQSG125L9V1B	RZQSG125L8Y1B			P		4	3	2			P	4	3	2	4	3	2			P		4	3	2																	4	3	2
RZQSG140L9V1B	RZQSG140L7Y1B	2			P	4	3		2			P	4	3	4	3		2		P		4	3		2					P				2						P	4	3	

Notes

- 1. The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
- 2. When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- 3. 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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RZQG-L9V1

EDP room combination table

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	FCQHG71FVEB	FCQHG100FVEB	FCQHG125FVEB	FCQHG140FVEB	FCQGS39FVEB	FCQGS60FVEB	FCQGS71FVEB	FCQGS100FVEB	FCQGS125FVEB	FCQGS140FVEB	FFQ35C2VEB	FFQ35C2VEB	FFQ35C2VEB	FBQ35C3VEB	FBQ50C3VEB	FBQ60C3VEB	FBQ71C3VEB	FBQ100C3VEB	FBQ125C3VEB	FBQ140C3VEB	FHQ35BV1B8	FHQ50BV1B8	FHQ60BV1B8	FHQ71C1VEB	FHQG100C1VEB	FHQG125C1VEB	FHQG140C1VEB	FUQ71C1VEB	FUQ100C1VEB	FUQ125C1VEB	FAQ71C1VEB	FAQ100C1VEB	FDQ125C1VEB	FVQ71C1VEB	FVQ100C1VEB	FVQ125C1VEB	FVQ140C1VEB	FDXS35F2VEB	FDXS50F2VEB	FDXS60F2VEB			
RZQG71L9V1B	RZQG71L8Y1B	P			3	2		P			3	2		3	2			P			3	2				P							P						3	2			
RZQG100L9V1B	RZQG100L8Y1B		P			4	3				4	3		4	3			P			4	3				P														4	3		
RZQG125L9V1B	RZQG125L8Y1B			P		4	3	2			P	4	3	2	4	3	2			P		4	3	2																	4	3	
RZQG140L9V1B	RZQG140L7Y1B	2			P	4	3		2			P	4	3	4	3		2		P		4	3		2					P				2						P	4	3	

Possible combinations :

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

Notes

- 1. The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
- 2. When combining multiple indoor units, designate the unit whose remote controller is equipped with the most functions as the master unit.
- 3. 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

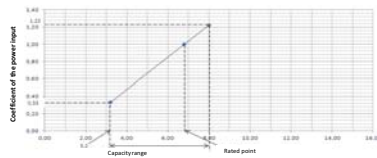
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6 Capacity tables

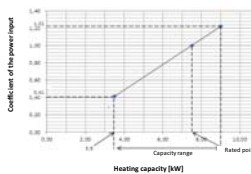
6 - 1 Cooling/Heating Capacity Tables

RZQG71L9V1

Cooling



Heating



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

Cooling

Indoor	Outdoor temperature (°C DB)											
	25			30			35			40		
°C DB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	0.80	1.40	1.00	7.9	1.11	7.49	5.20	1.21	7.21	5.06	1.30
18.0	26	0.80	1.40	1.00	8.11	1.11	7.80	5.19	1.22	7.64	5.06	1.30
19.0	27	0.89	1.41	1.01	8.30	1.12	8.00	5.18	1.22	7.70	5.06	1.30
19.5	27	0.90	1.41	1.01	8.39	1.12	8.09	5.17	1.22	7.79	5.06	1.30
22.0	30	0.93	1.41	1.01	8.84	1.12	8.62	5.13	1.23	8.21	4.99	1.34
24.0	32	0.93	1.41	1.02	9.20	1.13	8.87	5.08	1.23	8.54	4.92	1.35

Heating

Indoor	Outdoor temperature (°C WB)											
	-15.0			-10.0			-5.0			0.0		
°C DB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	6.44	0.93	7.09	0.99	7.56	1.02	7.79	1.06	8.00	1.12	9.71	1.19
18	6.43	0.98	7.88	1.03	7.84	1.07	7.75	1.10	8.00	1.11	9.71	1.14
20	6.42	1.01	7.67	1.07	7.63	1.12	7.72	1.14	8.00	1.22	9.71	1.28
21	6.42	1.00	7.67	1.09	7.63	1.13	7.77	1.16	8.00	1.24	9.71	1.31
22	6.42	1.05	7.06	1.11	7.52	1.15	7.76	1.19	8.00	1.27	9.71	1.33
24	6.41	1.09	7.05	1.15	7.51	1.20	7.75	1.23	8.00	1.32	9.67	1.38

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 (1-8) 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.

Pair	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF
AFR	21.2	21.5	18.0	20.5	18.0	18.0	20.5	23.0
(BF)	(0.02)	(0.14)	(0.08)	(0.13)	(0.16)	(0.16)	(0.13)	(0.24)

Twin	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2
AFR	12.5 x 2	16 x 2	14 x 2	10 x 2	8.7 x 2
(BF)	(0.4 x 2)	(0.35 x 2)	(0.17 x 2)	(0.25 x 2)	(0.17 x 2)

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

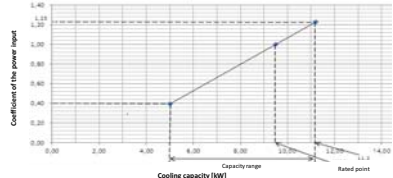
Pair	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF
Cooling	1.66	2.01	1.84	1.78	2.00	2.02	1.78
Heating	1.56	1.89	2.05	1.82	2.03	2.06	1.82

Twin	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2
Cooling	2.04	1.98	2.34	2.02	2.23
Heating	1.92	2.16	2.70	1.88	2.55

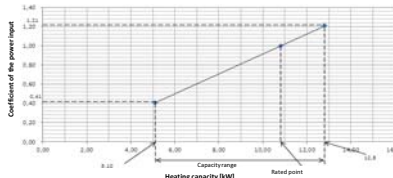
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RZQG100L9V1

Cooling



Heating



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

Cooling

Indoor	Outdoor temperature (°C DB)											
	25			30			35			40		
°C DB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	1.12	2.61	1.01	10.8	1.11	10.5	7.29	1.23	10.1	7.09	1.32
18.0	26	1.12	2.61	1.01	11.4	1.11	11.0	7.27	1.23	10.6	7.09	1.32
19.0	27	1.20	2.61	1.02	11.6	1.12	11.2	7.26	1.23	10.8	7.04	1.33
19.5	27	1.21	2.61	1.02	11.7	1.12	11.4	7.24	1.23	10.9	7.04	1.34
22.0	30	1.29	2.61	1.02	12.4	1.13	11.9	7.16	1.24	11.5	7.03	1.35
24.0	32	1.30	2.61	1.03	12.6	1.14	12.4	7.06	1.24	11.9	6.91	1.36

Heating

Indoor	Outdoor temperature (°C WB)											
	-15.0			-10.0			-5.0			0.0		
°C DB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	8.58	0.92	9.45	0.99	10.1	1.02	10.4	1.06	10.8	1.11	12.8	1.18
18	8.57	0.97	9.44	1.02	10.0	1.06	10.3	1.09	10.8	1.16	12.8	1.23
20	8.56	1.00	9.43	1.06	10.0	1.11	10.3	1.13	12.8	1.21	12.8	1.27
21	8.56	1.02	9.42	1.08	10.0	1.12	10.3	1.15	12.8	1.23	12.8	1.30
22	8.56	1.04	9.42	1.10	10.0	1.14	10.3	1.17	12.8	1.25	12.8	1.32
24	8.54	1.09	9.41	1.14	10.0	1.19	10.3	1.22	12.8	1.31	12.8	1.37

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 (1-8) 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.

Pair	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF
AFR	32.3	32.0	32.0	26.0	28.0	28.0	31.0
(BF)	(0.17)	(0.17)	(0.13)	(0.09)	(0.10)	(0.09)	(0.20)

Twin	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2
AFR	12.6 x 2	16 x 2	15 x 2	12 x 2	12.7 x 2
(BF)	(0.22 x 2)	(0.16 x 2)	(0.18 x 2)	(0.16 x 2)	(0.11 x 2)

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

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

Pair	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF	FCQHSDF
Cooling	2.15	2.45	2.44	2.49	2.63	2.49	2.33
Heating	2.16	2.60	2.57	2.60	3.00	2.61	2.62

Twin	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2	FCQHSDF x 2
Cooling	2.32	2.51	2.93	2.65	2.51
Heating	2.46	2.86	3.28	2.89	2.96

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

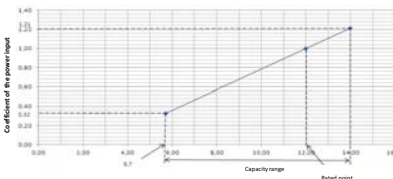
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Capacity tables

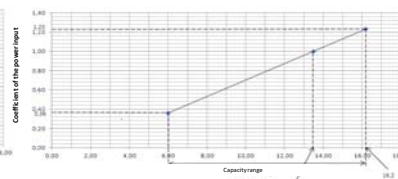
6 - 1 Cooling/Heating Capacity Tables

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Cooling



Heating



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

Indoor		Cooling											
		Outdoor temperature [°C DB]											
		26			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
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16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
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16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	
16.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	

Indoor		Outdoor temperature [°C WB]											
		-15.0		-10.0		-5.0		0.0		5.0		10.0	
TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	11.0	0.94	12.1	1.00	12.9	1.03	13.2	1.06	13.2	1.10	13.5	1.13	13.5
18	11.0	0.90	12.1	1.00	12.9	1.03	13.2	1.11	13.2	1.13	13.5	1.15	13.5
20	11.0	1.02	12.0	1.00	12.9	1.13	13.2	1.15	13.2	1.15	13.5	1.15	13.5
21	11.0	1.04	12.0	1.00	12.9	1.14	13.2	1.17	13.2	1.17	13.5	1.17	13.5
22	11.0	1.06	12.0	1.12	12.8	1.16	13.2	1.20	13.2	1.20	13.4	1.24	13.4
24	11.0	1.10	12.0	1.16	12.8	1.21	13.2	1.24	13.2	1.24	13.4	1.29	13.4

- 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-BF) 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.

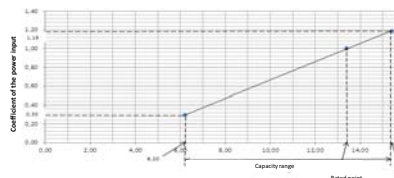
Pair		FCQD125P	FCQD125P	FCQD125P	FCQD125P	FCQD125P	FCQD125P
AFR	33.5	33.5	33.5	33.5	33.5	33.5	33.5
BF	(0.19)	(0.21)	(0.16)	(0.13)	(0.16)	(0.14)	(0.19)
Twin		FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2
AFR	13.6 x 2	13.6 x 2	13.6 x 2	13.6 x 2	13.6 x 2	13.6 x 2	13.6 x 2
BF	(0.2 x 2)	(0.2 x 2)	(0.2 x 2)	(0.2 x 2)	(0.2 x 2)	(0.2 x 2)	(0.2 x 2)
Triple		FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3
AFR	12.6 x 3	12.6 x 3	12.6 x 3	12.6 x 3	12.6 x 3	12.6 x 3	12.6 x 3
BF	(0.22 x 3)	(0.22 x 3)	(0.18 x 3)	(0.16 x 3)	(0.16 x 3)	(0.16 x 3)	(0.16 x 3)
Double twin		FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4
AFR	12.5 x 4	12.5 x 4	12.5 x 4	12.5 x 4	12.5 x 4	12.5 x 4	12.5 x 4
BF	(0.4 x 4)	(0.4 x 4)	(0.25 x 4)	(0.25 x 4)	(0.25 x 4)	(0.25 x 4)	(0.25 x 4)

Pair		FCQD125P	FCQD125P	FCQD125P	FCQD125P	FCQD125P	FCQD125P
Cooling	3.09	3.28	3.16	3.36	3.26	3.46	3.46
Heating	3.07	3.72	3.53	3.48	3.53	3.48	3.96
Twin		FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2	FCQD125P x 2
Cooling	3.14	3.28	3.67	3.61	3.75	3.75	3.75
Heating	3.64	3.74	4.11	4.10	4.20	4.20	4.20
Triple		FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3	FCQD125P x 3
Cooling	3.17	3.28	3.66	3.53	3.66	3.66	3.66
Heating	3.66	3.74	4.10	3.55	3.65	3.65	3.65
Double twin		FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4	FCQD125P x 4
Cooling	3.23	3.28	3.64	3.51	3.94	3.94	3.94
Heating	3.72	3.74	4.00	3.50	4.45	4.45	4.45

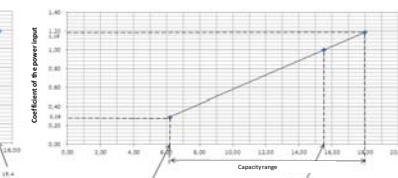
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Cooling



Heating



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

Cooling		Outdoor temperature [°C DB]																	
		26						30						40					
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI						
Indoor	TC [°C DB]	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI						
16.0	25	15.3	10.47	0.98	14.9	10.25	1.08	14.4	10.00	1.19	13.9	9.69	1.20						
18.0	29	15.9	10.52	0.98	15.5	10.21	1.08	15.1	10.05	1.19	14.5	9.71	1.20						
19.0	27	16.0	10.43	0.99	16.0	10.18	1.08	15.4	9.98	1.19	14.8	9.75	1.20						
19.5	27	16.7	10.45	0.99	16.1	10.16	1.10	15.5	10.00	1.19	15.0	9.66	1.20						
22.0	30	17.6	10.37	0.99	17.0	10.16	1.10	16.4	9.83	1.21	15.8	9.60	1.21						
24.0	32	18.4	10.20	1.00	17.7	10.00	1.11	17.0	9.67	1.22	16.4	9.47	1.22						

Indoor		Outdoor temperature [°C WB]											
		-15.0		-10.0		-5.0		0.0		5.0		10.0	
TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	11.6	0.91	12.7	0.97	13.6	1.00	13.9	1.03	14.0	1.09	14.4	1.16	1.16
18	11.6	0.86	12.7	1.00	13.6	1.04	13.9	1.07	14.0	1.14	14.4	1.21	1.21
20	11.6	0.99	12.7	1.06	13.5	1.09	13.9	1.11	14.0	1.19	14.4	1.25	1.25
21	11.5	1.00	12.7	1.06	13.5	1.11	13.9	1.13	14.0	1.21	14.4	1.28	1.28
22	11.5	1.02	12.7	1.08	13.5	1.12	13.9	1.16	14.0	1.24	14.4	1.30	1.30
24	11.5	1.07	12.6	1.12	13.5	1.17	13.9	1.20	14.0	1.29	14.4	1.35	1.35

- 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-BF) 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		FCQD140P	FCQD140P	FCQD140P	FCQD140P	FCQD140P	FCQD140P
AFR	33.5	33.0	39.0/41.0	34.0	30.0	34.0	34.0
BF	(0.15)	(0.23)	(0.14)	(0.17)	(0.18)	(0.17)	(0.17)
Twin		FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2
AFR	21.2 x 2	21.5 x 2	18.0 x 2	20.5 x 2	18.0 x 2	20.5 x 2	23.0 x 2
BF	(0.2 x 2)	(0.14 x 2)	(0.08 x 2)	(0.13 x 2)	(0.16 x 2)	(0.13 x 2)	(0.24 x 2)
Triple		FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3
AFR	12.6 x 3	16.45	15 x 3	12 x 3	12.0/12.6	12.0/12.6	12.0/12.6
BF	(0.22 x 3)	(0.16 x 3)	(0.18 x 3)	(0.16 x 3)	(0.12 x 3)	(0.12 x 3)	(0.12 x 3)
Double twin		FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4
AFR	12.5 x 4	16.44	14 x 4	10 x 4	8.7 x 4	8.7 x 4	8.7 x 4
BF	(0.4 x 4)	(0.15 x 4)	(0.20 x 4)	(0.25 x 4)	(0.17 x 4)	(0.17 x 4)	(0.17 x 4)

Pair		FCQD140P	FCQD140P	FCQD140P	FCQD140P	FCQD140P	FCQD140P
Cooling	4.00	4.17	4.02	4.15	4.17	4.15	4.15
Heating	3.77	4.30	4.30	4.27	4.30	4.27	4.27
Twin		FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2	FCQD140P x 2
Cooling	3.94	4.25	3.95	4.08	4.08	4.08	4.08
Heating	3.71	4.24	4.70	4.47	4.47	4.35	4.35
Triple		FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3	FCQD140P x 3
Cooling	4.12	3.75	4.25	4.15	4.15	4.15	4.15
Heating	4.24	4.70	5.43	4.15	4.15	4.15	4.15
Double twin		FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4	FCQD140P x 4
Cooling	4.30	4.70	5.33	4.85	4.85	4.85	4.85
Heating	4.30	4.70	5.33	4.85	4.85	4.85	4.85

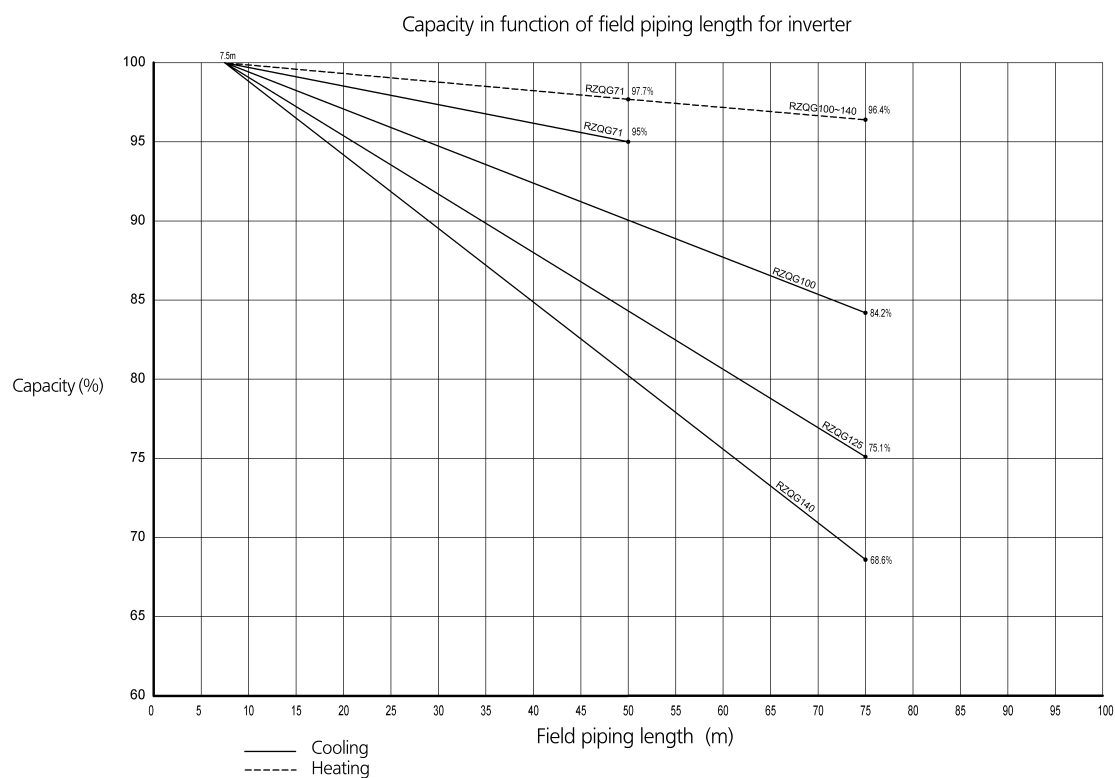
3D076751-B

6 Capacity tables

6 - 2 Capacity Correction Factor

6

RZQG-L9V1

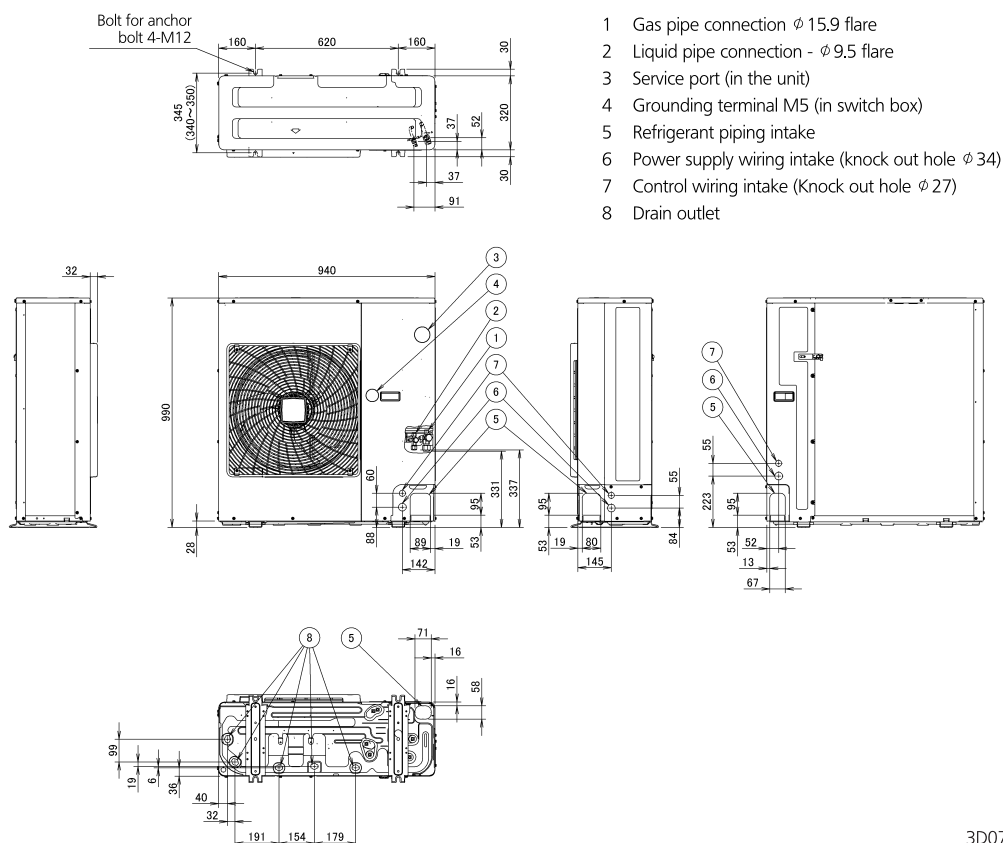


3D076249

7 Dimensional drawings

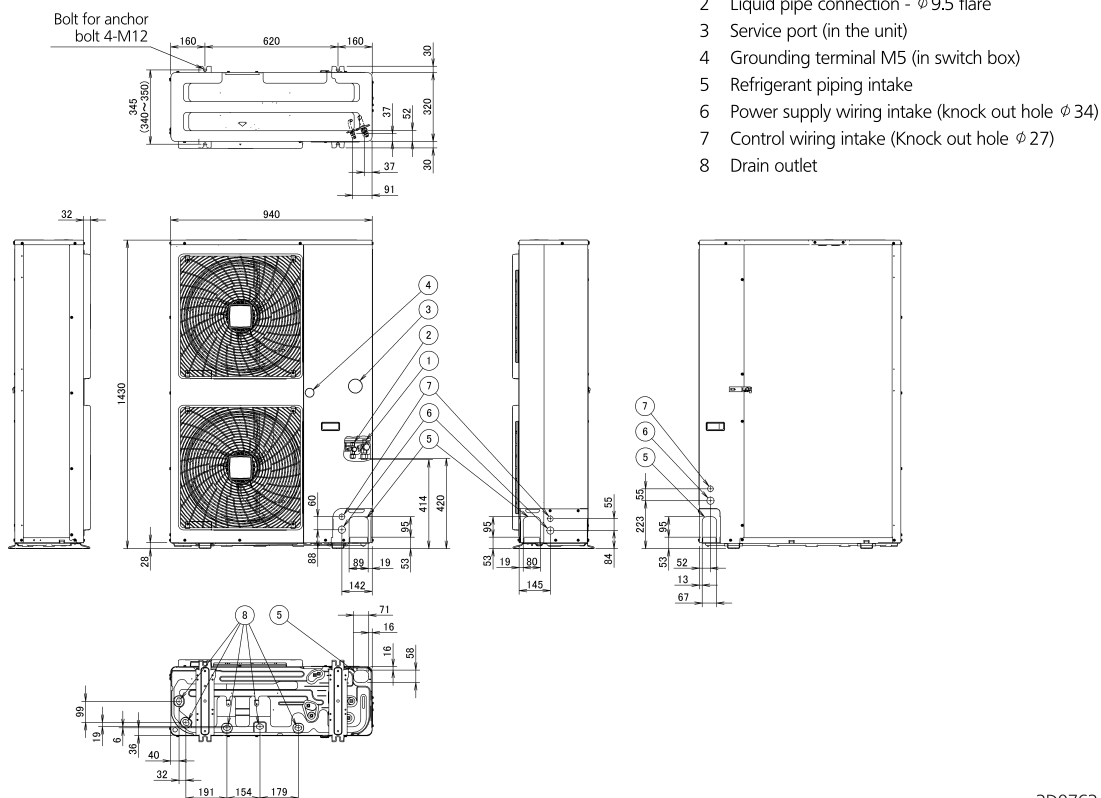
7 - 1 Dimensional Drawings

RZQG71L9V1



3D076345

RZQG100-140L9V1

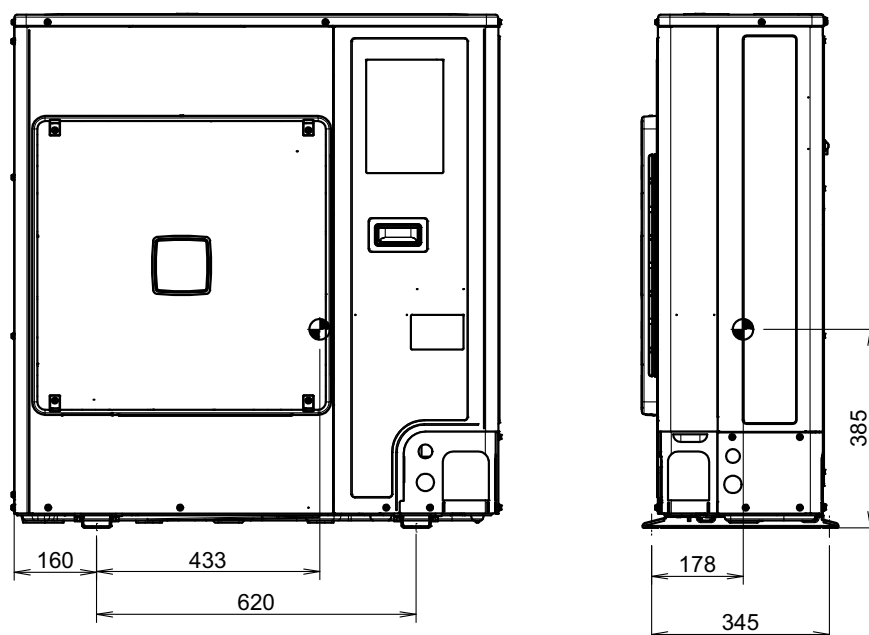


3D076346

8 Centre of gravity

8 - 1 Centre of Gravity

RZQG71L9V1

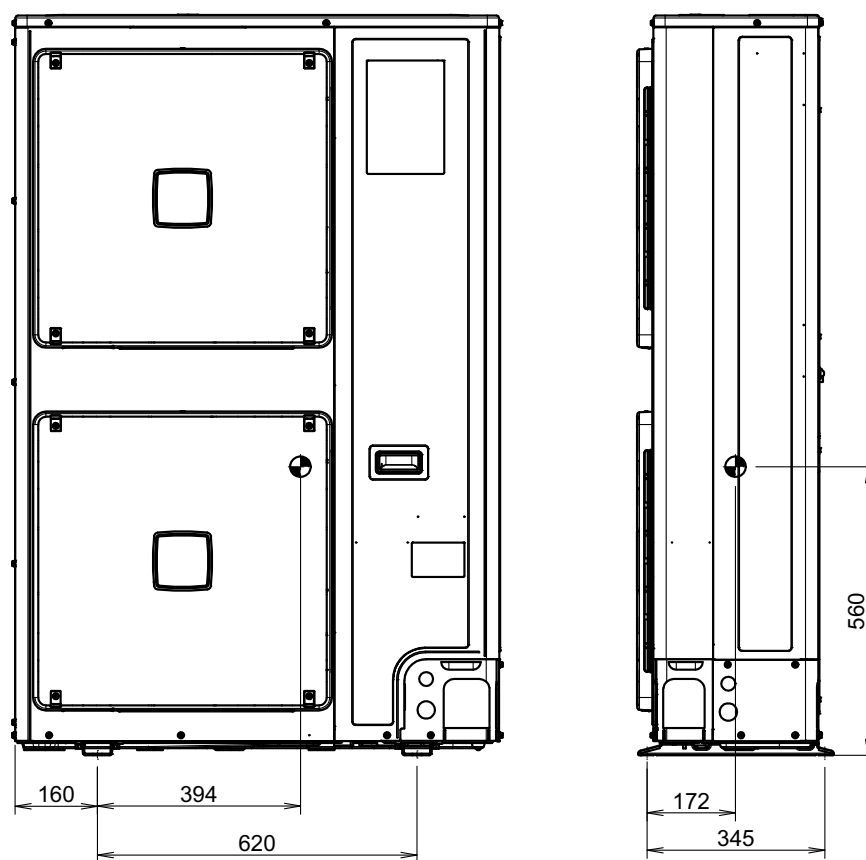


4D090895

8 Centre of gravity

8 - 1 Centre of Gravity

RZQG100-140L9V1

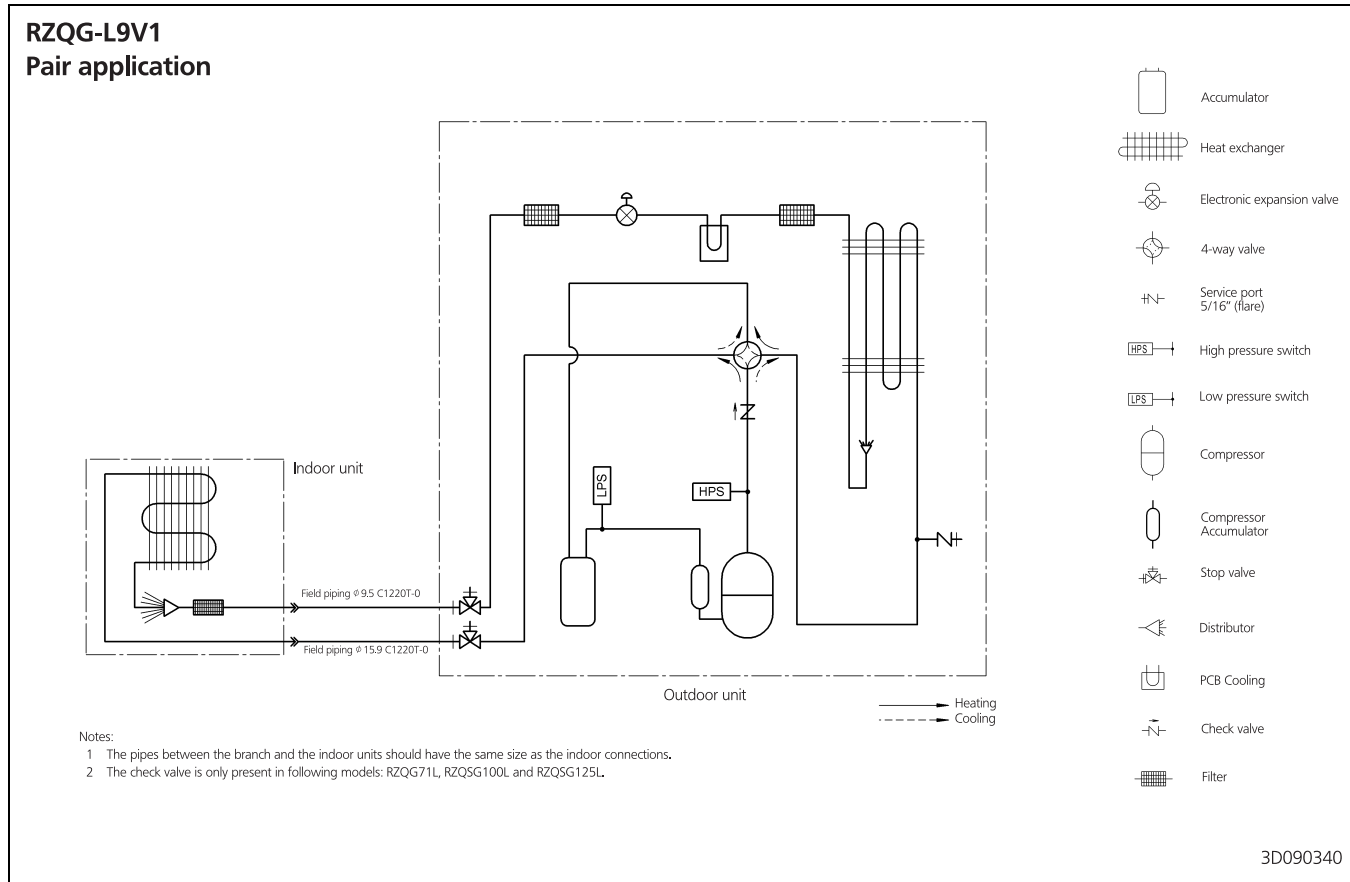


4D090897

9 Piping diagrams

9 - 1 Piping Diagrams

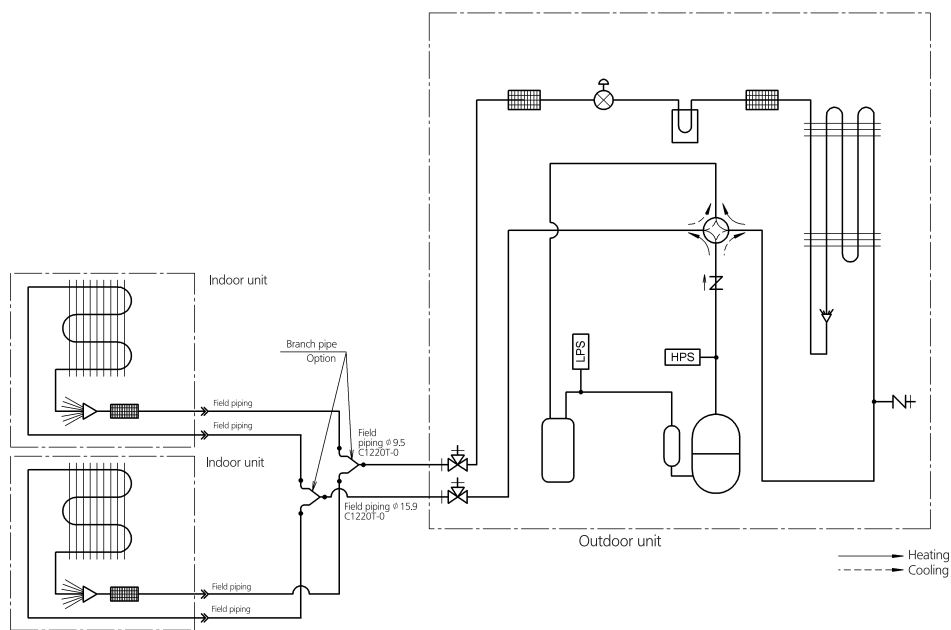
9



9 Piping diagrams

9 - 2 Piping Diagram Twin Application

RZQG-L9V1 Twin application

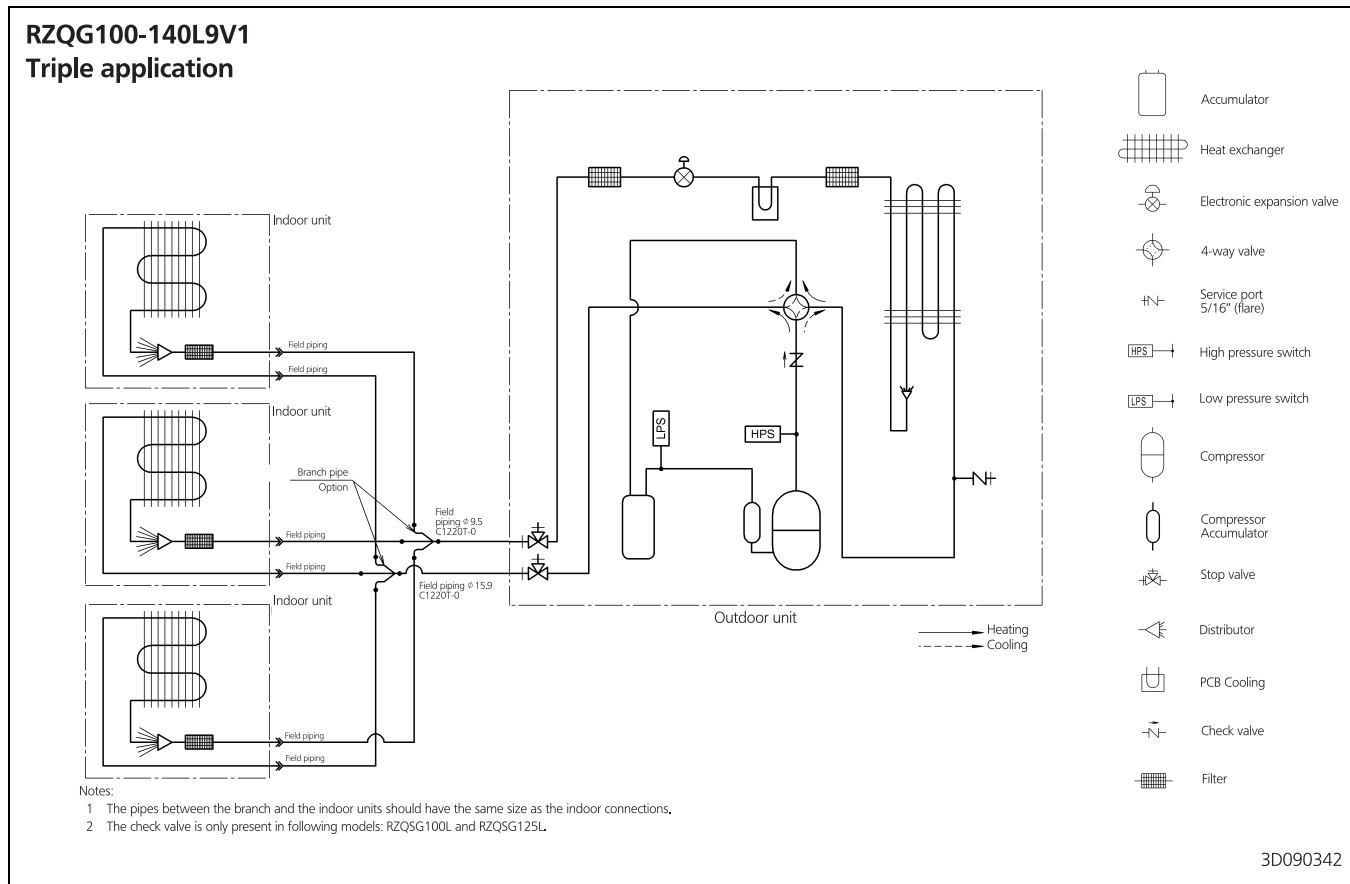


3D090341

9 Piping diagrams

9 - 3 Piping Diagram Triple Application

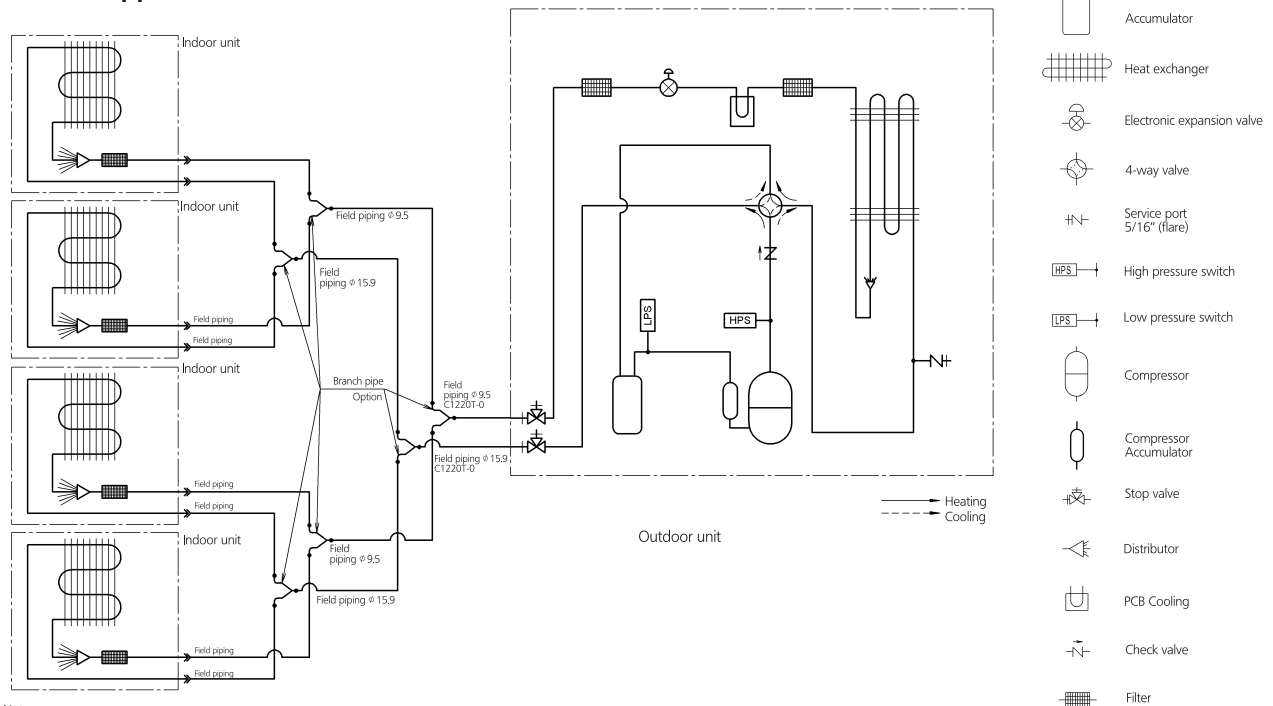
9



9 Piping diagrams

9 - 4 Piping Diagram Double Twin Application

RZQG125-140L9V1
Double twin application



Notes:

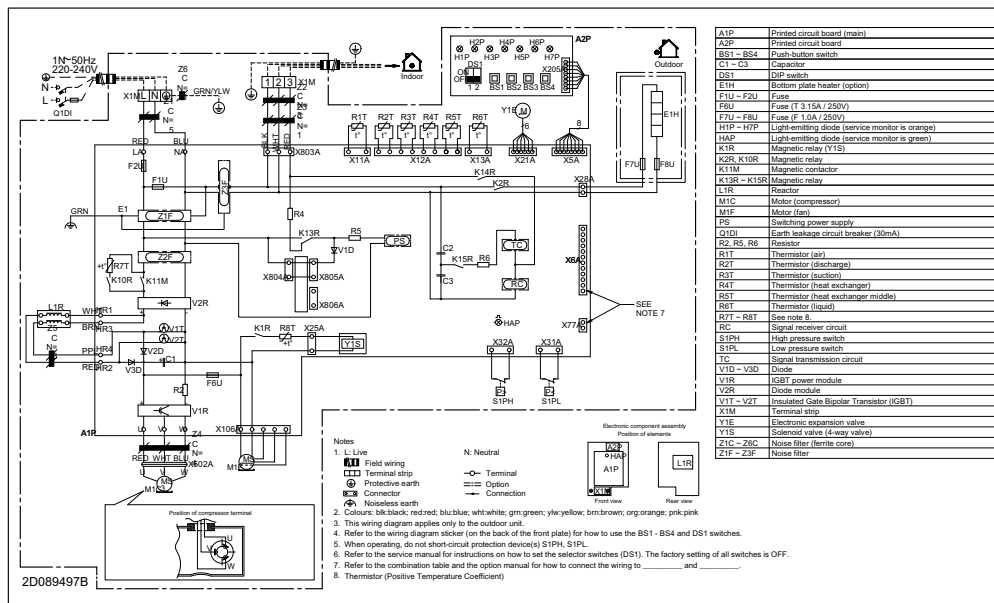
- 1 The pipes between the branch and the indoor units should have the same size as the indoor connections.
- 2 The check valve is only present in following models: RZQSG100L and RZQSG125L.

3D090343

10 Wiring diagrams

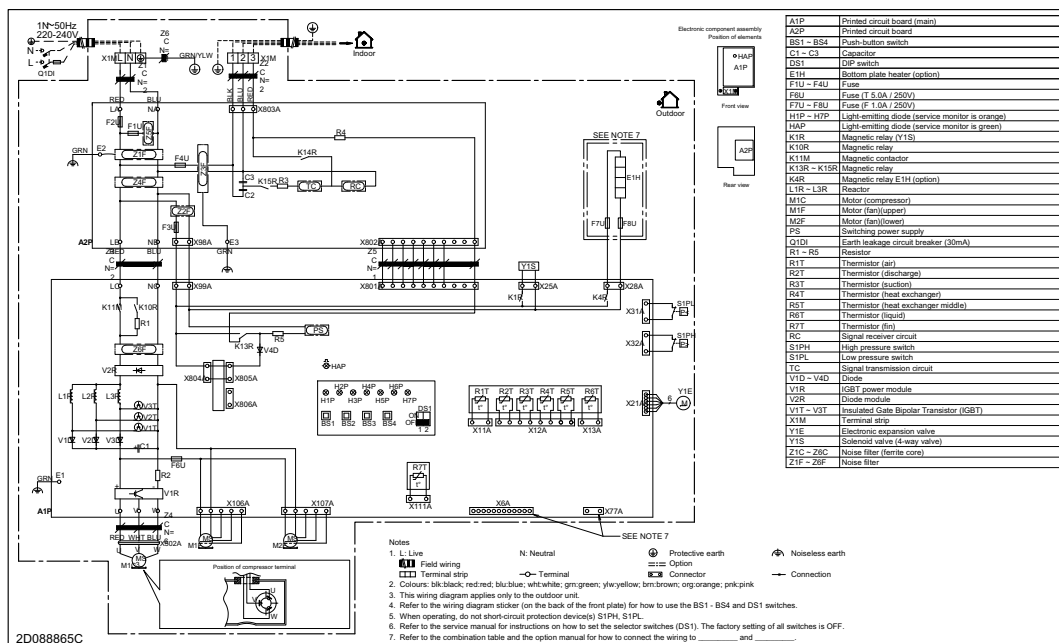
10 - 1 Wiring Diagrams - Single Phase

RZQG71L9V1



2D089497B

RZQG100-140L9V1

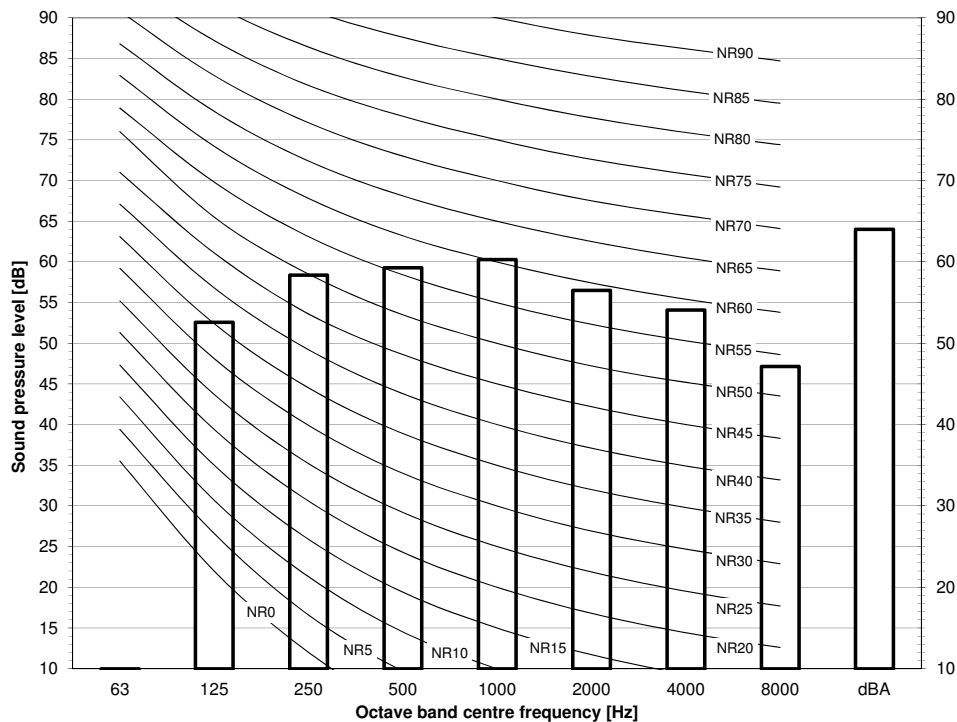


2D088865C

11 Sound data

11 - 1 Sound Power Spectrum

RZQG71L9V1

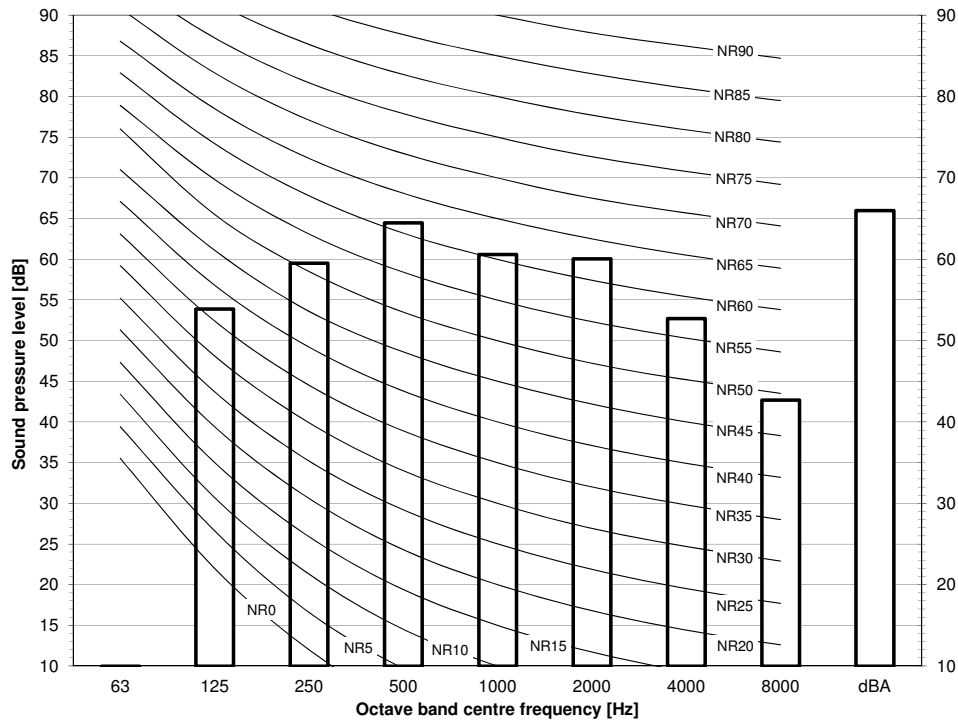


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D090847

RZQG100L9V1



Notes

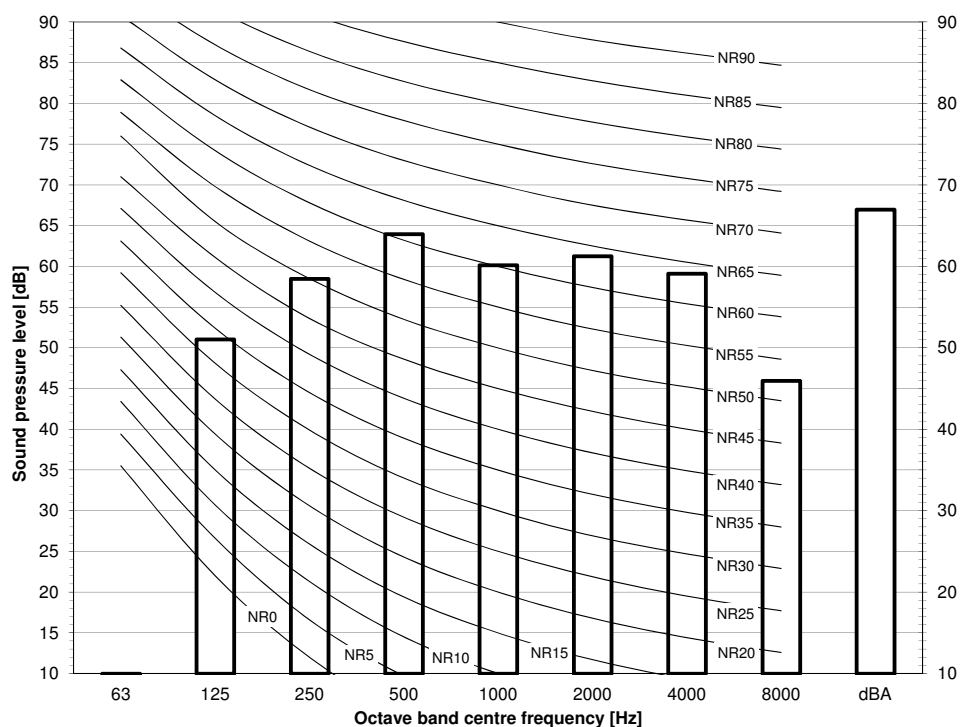
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D090848

11 Sound data

11 - 1 Sound Power Spectrum

RZQG125L9V1

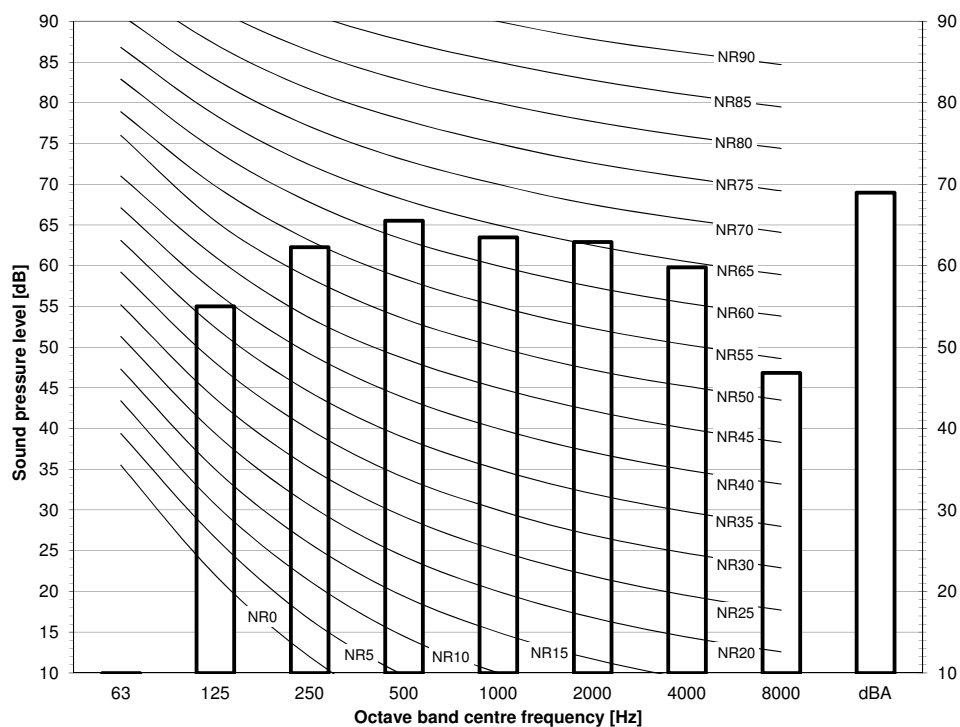


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D090849

RZQG140L9V1



Notes

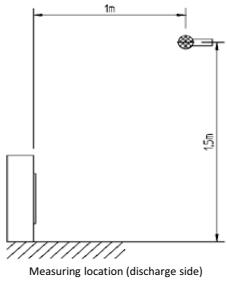
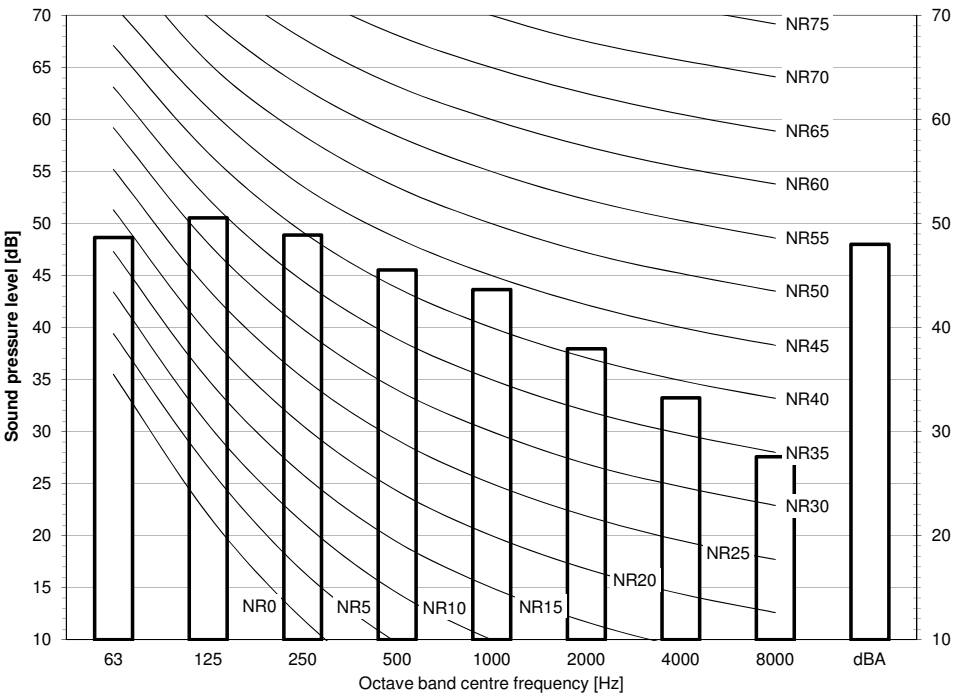
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10E-6μW/m²
- Measured according to ISO 3744

3D090850

11 Sound data

11 - 2 Sound Pressure Spectrum - Cooling

RZQG71L9V1

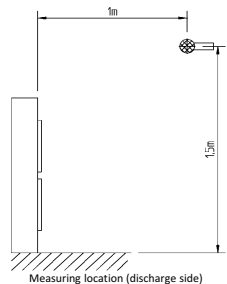
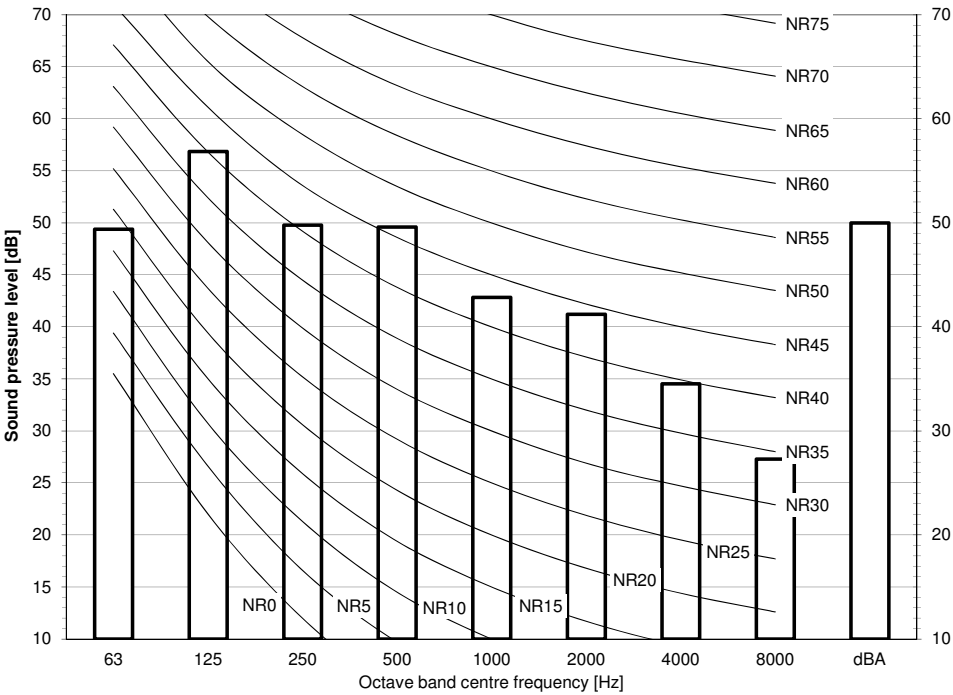


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090877

RZQG100L9V1



Notes

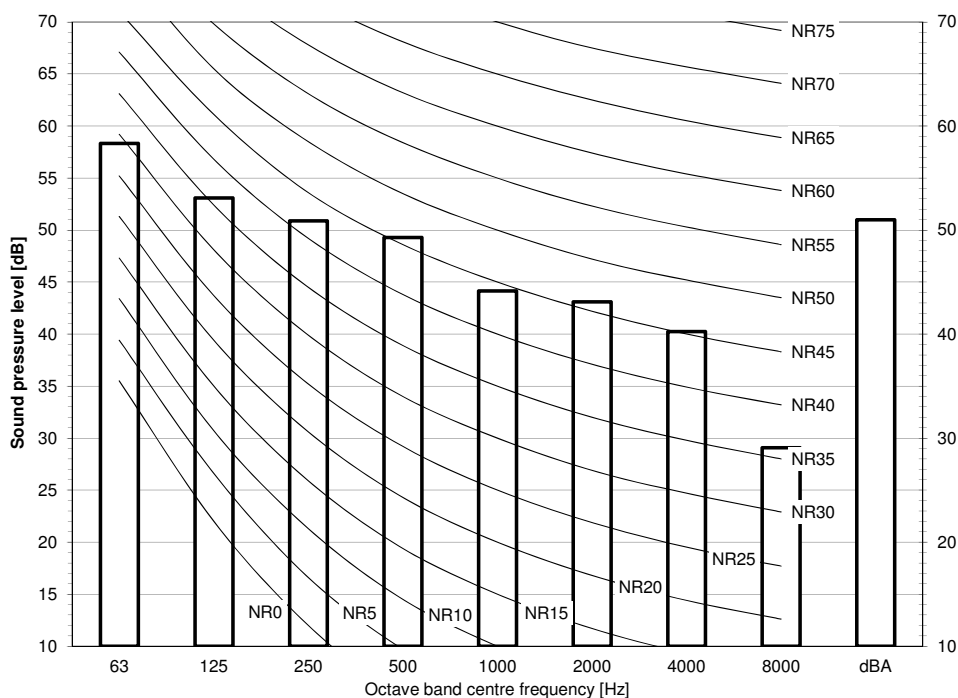
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090878

11 Sound data

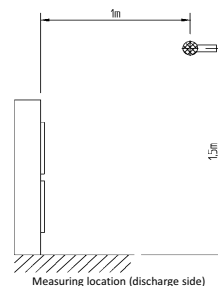
11 - 2 Sound Pressure Spectrum - Cooling

RZQG125L9V1



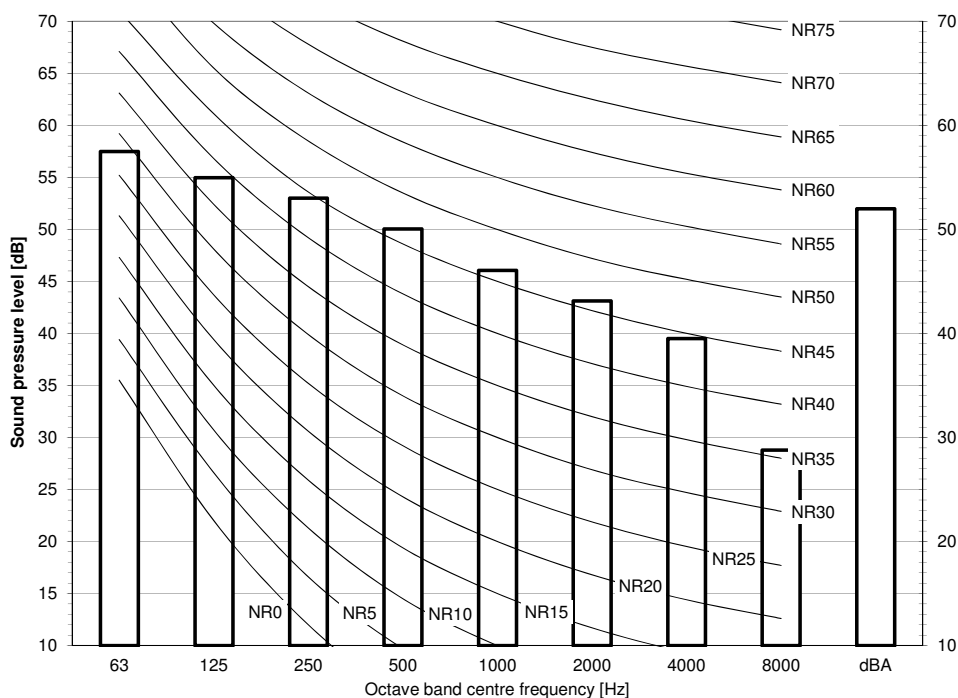
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



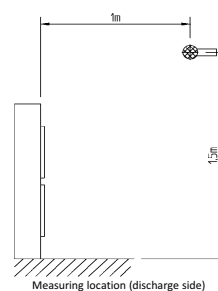
3D090879

RZQG140L9V1



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

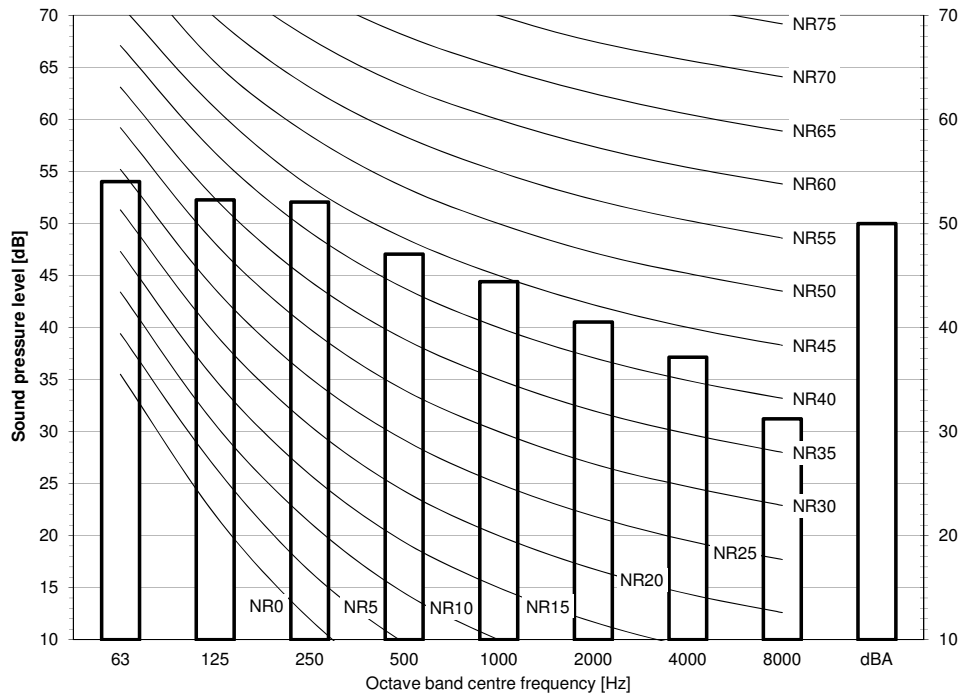


3D090880

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

RZQG71L9V1

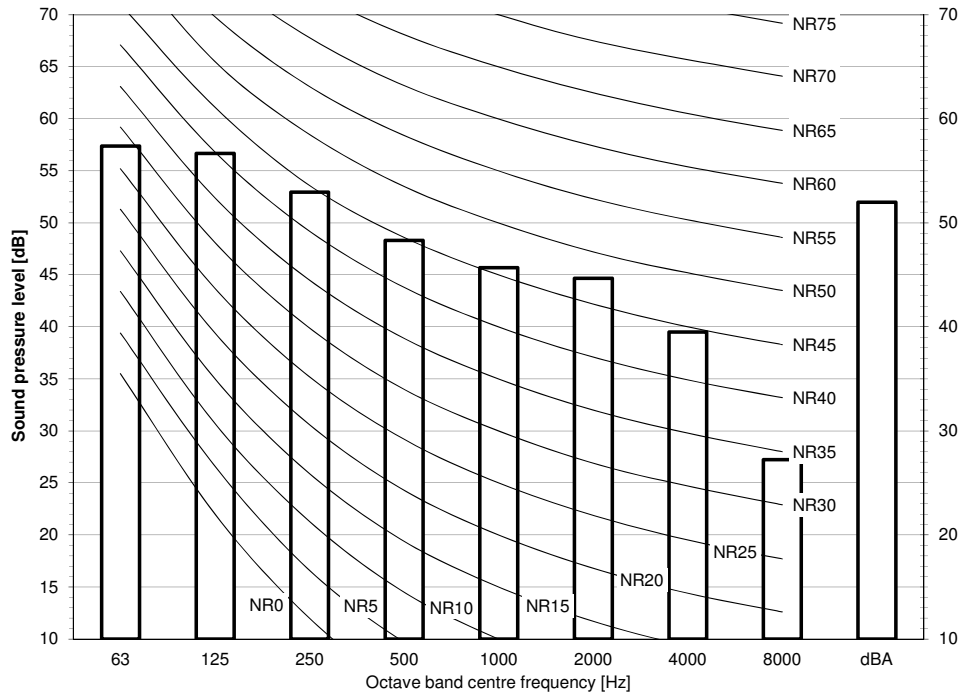


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090867

RZQG100L9V1



Notes

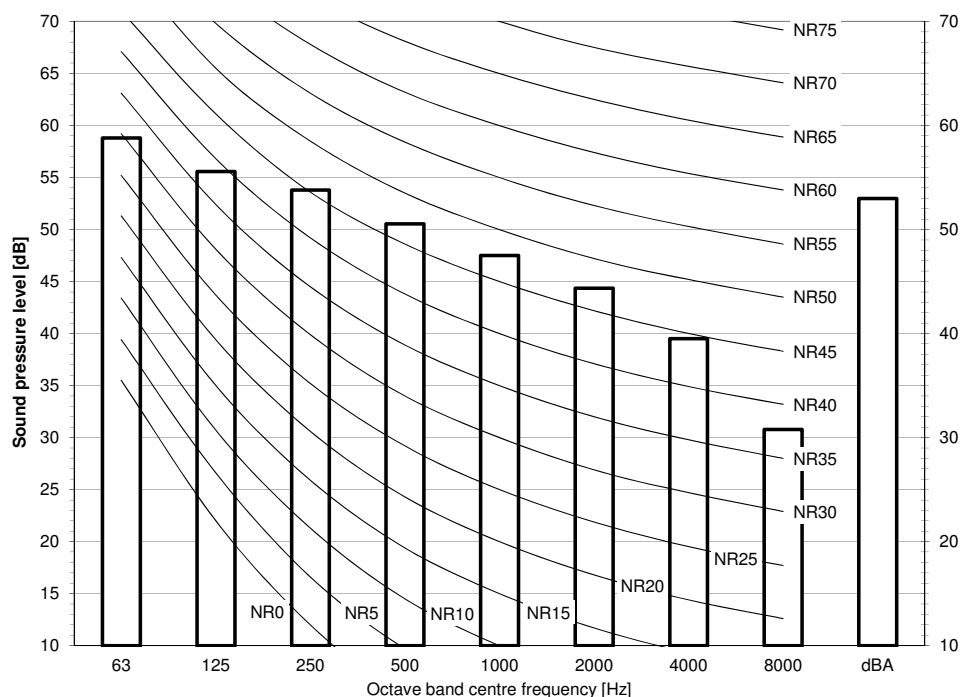
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090868

11 Sound data

11 - 3 Sound Pressure Spectrum - Heating

RZQG125L9V1

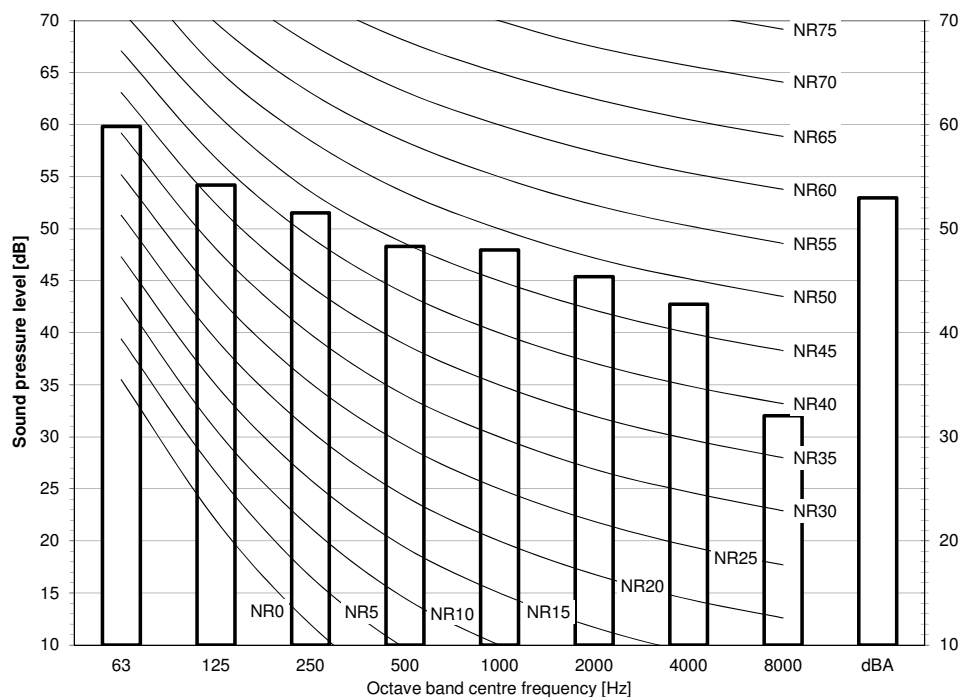


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090869

RZQG140L9V1



Notes

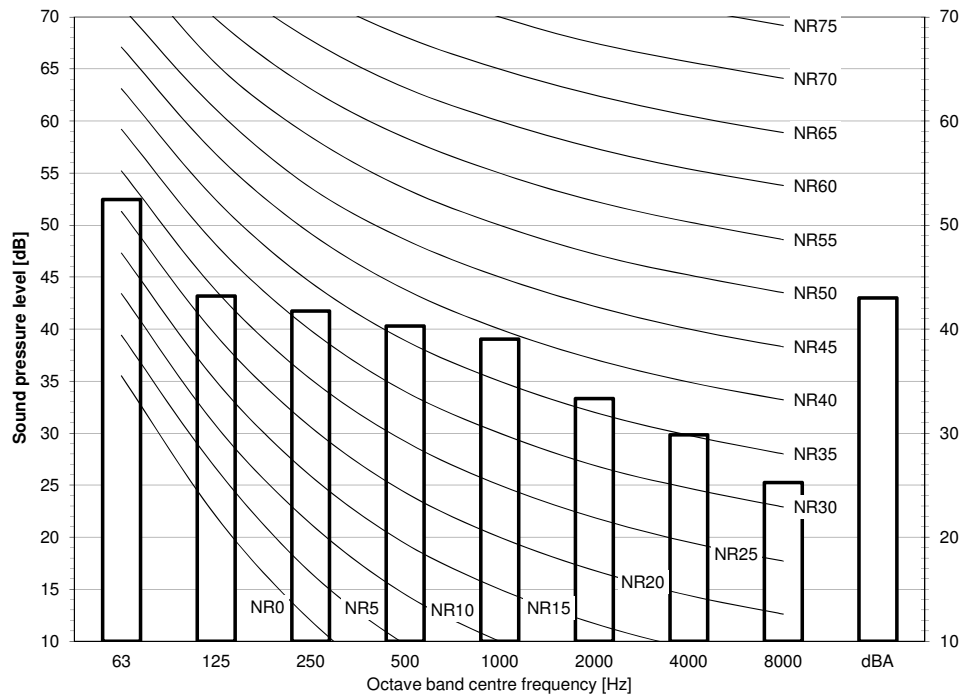
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090870

11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

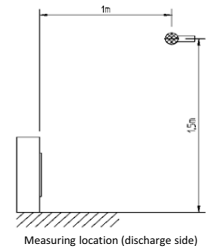
RZQG71L9V1



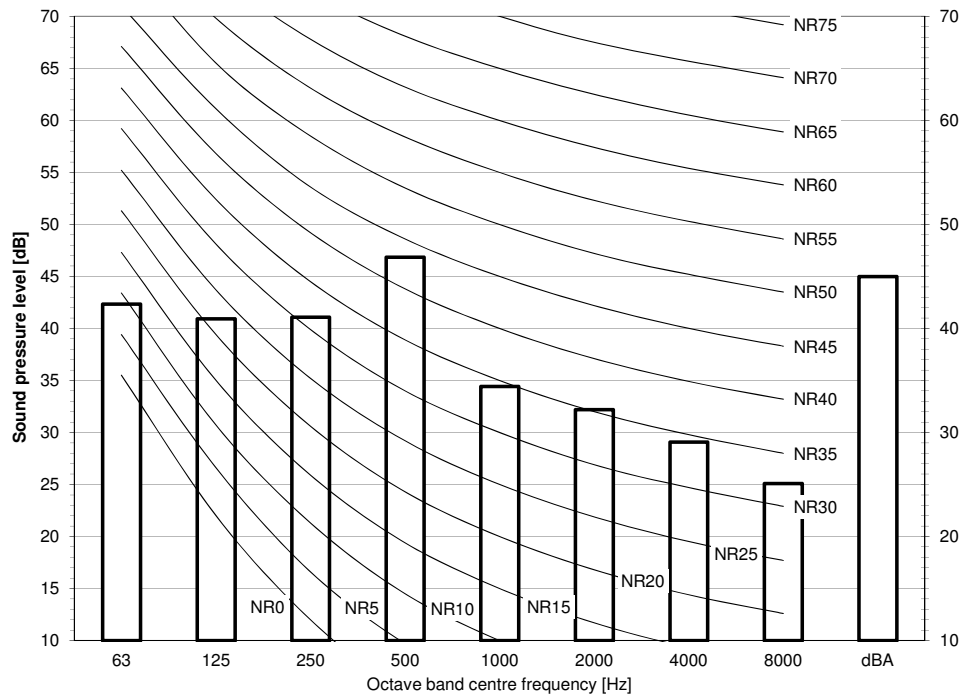
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090857



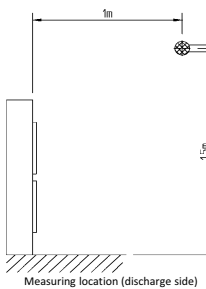
RZQG100L9V1



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

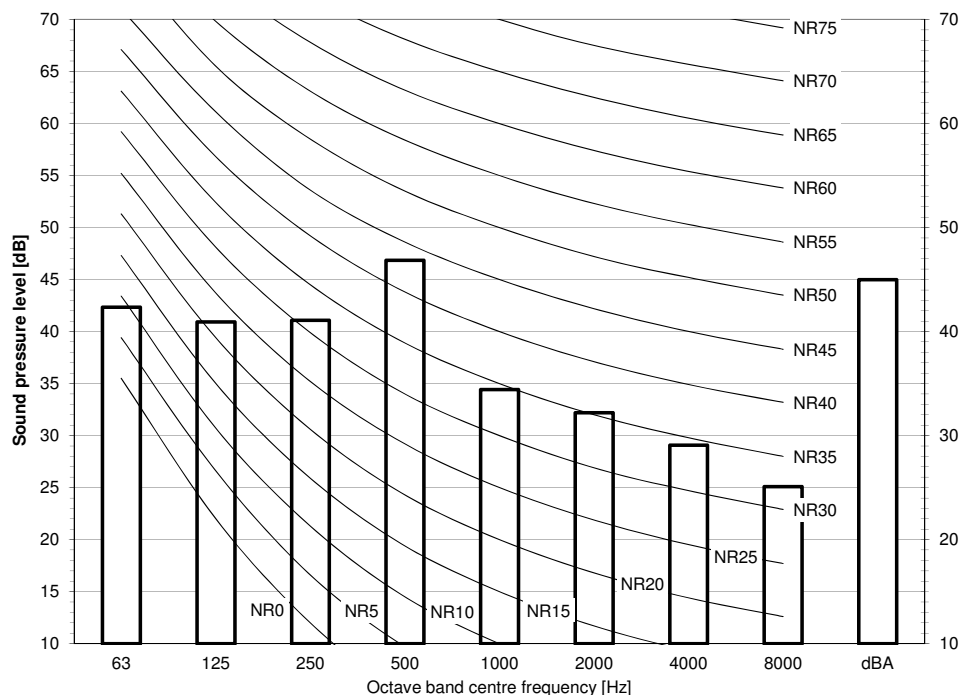
3D090858



11 Sound data

11 - 4 Sound Pressure Spectrum Quiet Mode

RZQG125L9V1

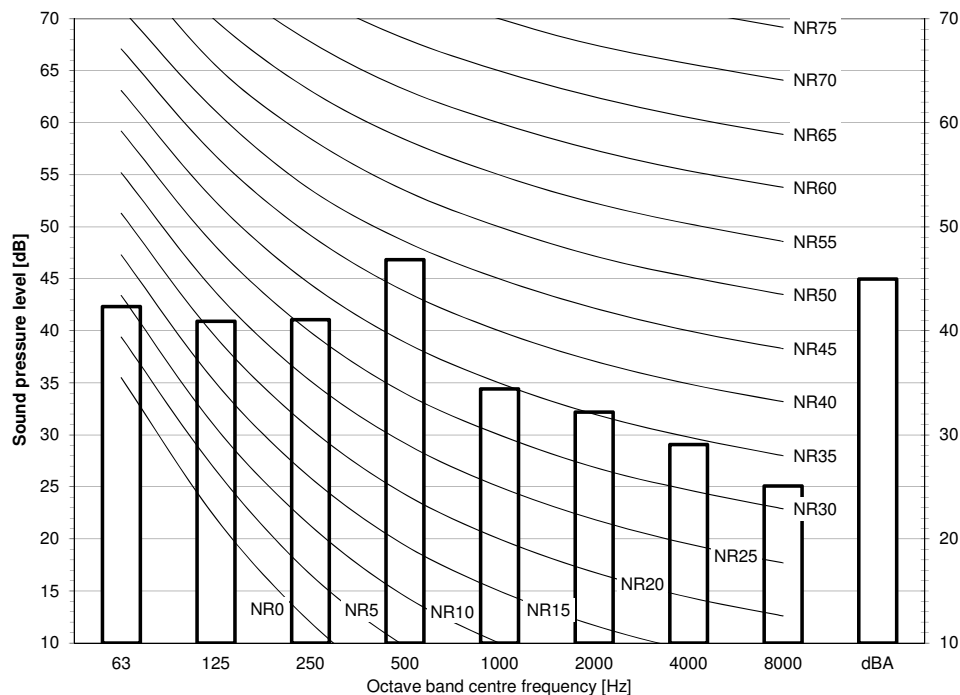


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090859

RZQG140L9V1



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

3D090860

12 Installation

12 - 1 Installation Method

RZQG-L9V1

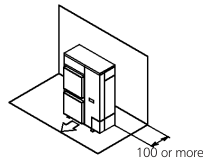
Installation service space

The measure of these values is "mm".

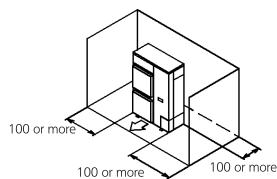
(A) When there are obstacles on suction sides.

• No obstacle above

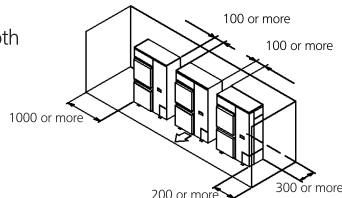
- ① Stand-alone installation
 - Obstacle on the suction side only



- Obstacle on both sides and suction side, too

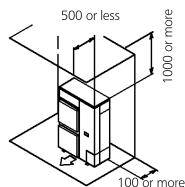


- ② Series installation (2 or more) (Note 1)
 - Obstacle on the suction side and both sides

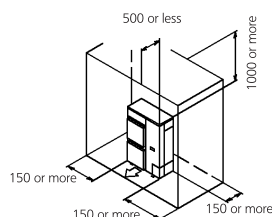


• Obstacle above, too.

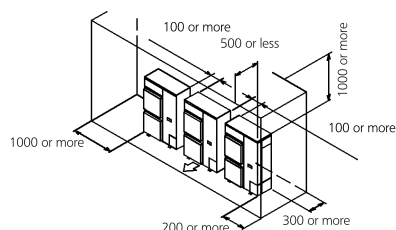
- ① Stand-alone installation
 - Obstacle on the suction side, too



- Obstacle on both sides and suction side, too



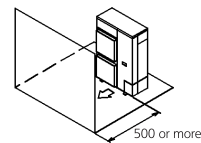
- ② Series installation (2 or more) (Note 1)
 - Obstacle on the suction side and both sides



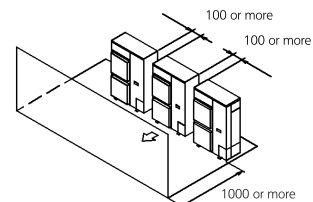
(B) When there are obstacles on discharge sides.

• No obstacle above

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

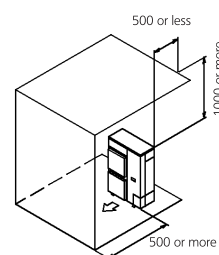


- ② Series installation (2 or more) (Note 1)
 - Obstacle on the discharge side only

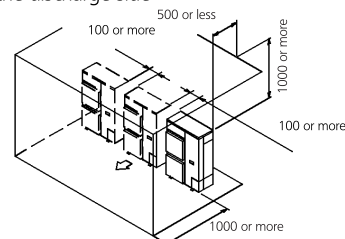


• Obstacle above, too

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



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



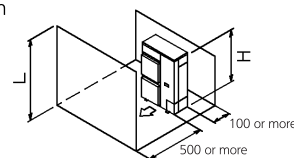
(C) When there are obstacles on both suction and discharge sides.:

Pattern 1

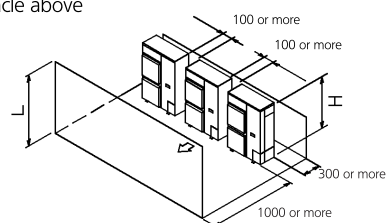
When the obstacles on the discharge side is higher than the unit. ($L > H$)
(There is no limit for the height of obstructions on the suction side.)

• 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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12 Installation

12 - 1 Installation Method

RZQG-L9V1

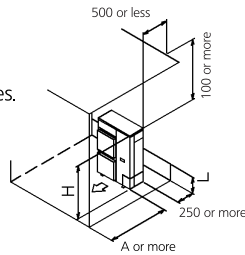
● Obstacle above, too

① Stand-alone installation (Note 2)

- When there are obstacles on suction, discharge and top sides.

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

	L	A
$L \leq H$	$L \leq 1/2 H$ 750 or more	1000 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	



② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on suction, discharge and top sides.

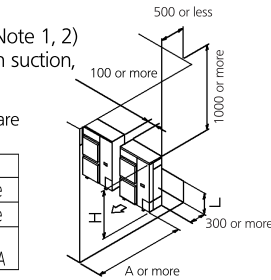
The relations between H, A and L are as follows.

	L	A
$L \leq H$	$L \leq 1/2 H$ 1000 or more	1250 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	

Limit of series installation is 2 units.

Pattern 2

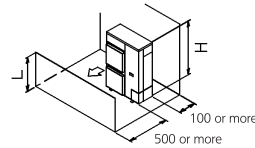
When the obstacle on the discharge side is lower than the unit ($L \leq H$)
(There is no limit for the height of obstructions on the suction side.)



● No obstacle above

① Stand-alone installation

- No obstacle above

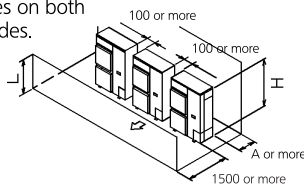


② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on both suction and discharge sides.

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

	L	A
$L \leq H$	$L \leq 1/2 H$ 250 or more	300 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	



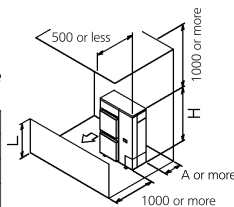
● obstacle above

① Stand-alone installation (Note 2)

- When there are obstacles on suction, discharge and top sides.

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

	L	A
$L \leq H$	$L \leq 1/2 H$ 100 or more	200 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	



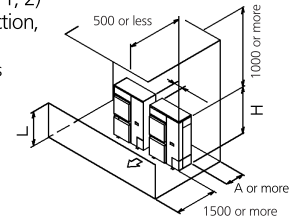
② Series installation (2 or more) (Note 1, 2)

- When there are obstacles on suction, discharge and top sides.

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

	L	A
$L \leq H$	$L \leq 1/2 H$ 250 or more	300 or more
$L > H$	Set the stand as : $L \leq H$ Refer to the column of $L \leq H$ for A	

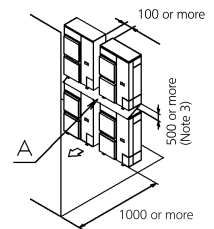
Limit of series installation is 2 units.



(D) Double-decker installation

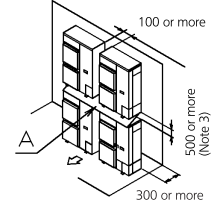
① Obstacle on the discharge side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



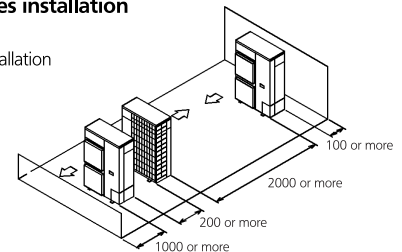
② Obstacle on the suction side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



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

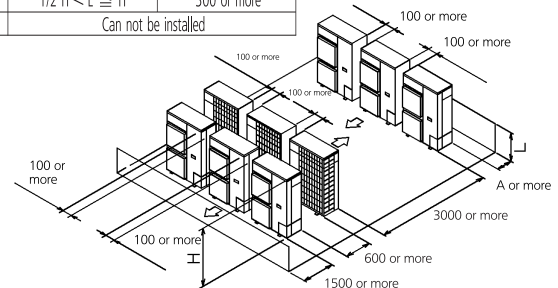
① One row of stand-alone installation



② Rows of series installation (2 or more)

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

	L	A
$L \leq H$	$L \leq 1/2 H$ 250 or more	300 or more
$L > H$	Can not be installed	



NOTES

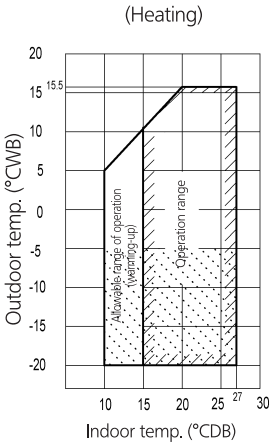
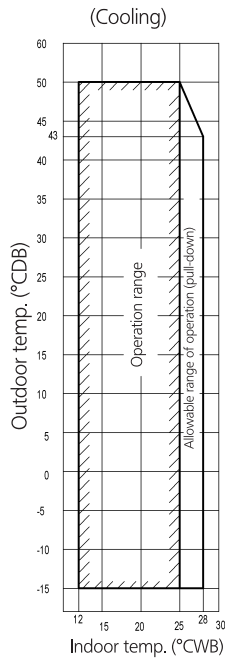
- In case of the sideways piping, make a 100mm gap between the unit above.
- Close the bottom of the installation frame to prevent the discharged air from being bypassed.
- It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no re intake of discharged air.

3D069554

13 Operation range

13 - 1 Operation Range

RZQG-L9V1

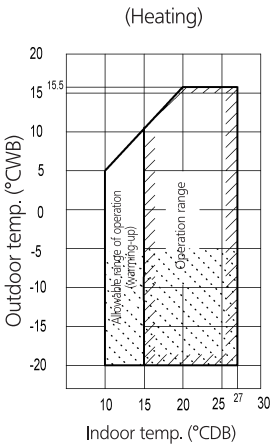
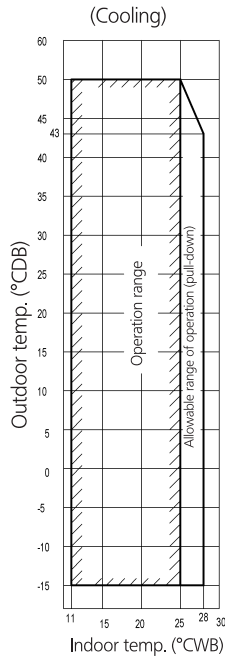


Notes:

- 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.

3D076502

RZQG-L9V1 - 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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