

Air Conditioning Technical Data

RZQ-C



> RZQ200C7Y1B
> RZQ250C7Y1B

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RZQ-C

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1 Features

Packaged system for commercial applications

- Available as 20 and 25kW
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in heating mode down to -15°C
- Standard night quiet mode
- Maximum piping length up to 100m
- Maximum installation height difference up to 30m
- Wide range of connectable indoor units

1



Inverter



Auto cooling-
heating
changeover

2 Specifications

2-1 Technical Specifications					RZQ200C		RZQ250C	
Capacity control	Method				Inverter controlled			
Casing	Colour				Daikin White			
	Material				Painted galvanized steel plate			
Dimensions	Unit	Height		mm	1,680			
		Width		mm	930			
		Depth		mm	765			
	Packed unit	Height		mm	1,855			
		Width		mm	995			
		Depth		mm	860			
Weight	Unit			kg	183.0		184.0	
	Packed unit			kg	217.0		218.0	
Packing	Material				Carton			
	Weight			kg	4.02			
Packing 2	Material				Wood			
	Weight			kg	20.85			
Packing 3	Material				Plastic			
	Weight			kg	0.265			
Heat exchanger	Fin	Type			Non-symmetric waffle louvre			
		Treatment			Hydrophilic and corrosion resistant			
Compressor	Quantity				1			
	Model				Inverter			
	Type				Hermetically sealed scroll compressor			
Fan	Type				Propeller fan			
	Discharge direction				Vertical			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m³/min	171			
		Heating	Nom.	m³/min	171			
	External static pressure	Max.		Pa	78			
Fan motor	Quantity				1			
	Model				Brushless DC motor			
	Output			W	750			
Sound power level	Cooling			dBA	78.0			
	Heating			dBA	78.0			
Sound pressure level	Nom.			dBA	57.0			
Operation range	Cooling	Ambient	Min.	°CDB	-5.0			
			Max.	°CDB	46.0			
	Heating	Ambient	Min.	°CWB	-15.0			
			Max.	°CWB	15.0			
Refrigerant	Type				R-410A			
	Charge			kg	8.3		9.3	
				TCO ₂ eq	17.3		19.4	
	Control				Electronic expansion valve			
	GWP				2,087.5			
	Circuits	Quantity			1			
Piping connections	Liquid	Type			Braze connection			
		OD		mm	9,5		12,7	
	Gas	Type			Braze connection			
		OD		mm	22.2			
	Piping length	OU - IU	Max.	m	100			
	Heat insulation				Both liquid and gas pipes			
Refrigerant oil	Type				Synthetic (ether) oil FVC68D			
	Charged volume			l	2.0			
Defrost method					Reversed cycle			
Defrost control					Sensor for outdoor heat exchanger temperature			

2 Specifications

2-1 Technical Specifications			RZQ200C	RZQ250C
Safety devices	Item	01	High pressure switch	
		02	Fan driver overload protector	
		03	Overcurrent relay	
		04	Inverter overload protector	
		05	PC board fuse	

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Connection pipes; Quantity : 4;

2-2 Electrical Specifications				RZQ200C	RZQ250C
Power supply	Name			Y1	
	Phase			3N~	
	Frequency	Hz		50	
	Voltage	V		380-415	
Current - 50Hz	Maximum fuse amps (MFA)	A		25	
Current	Zmax	List		No requirements	
	Minimum Ssc value	kVa		Refer to the databook for more information	
Wiring connections	For power supply	Remark		5 wires (earth wire included)	
	For connection with indoor	Remark		4 wires (earth wire included)	
Power supply intake				Outdoor unit only	

Notes

Power supply to the FDQ indoor unit is separate

See separate drawings for electrical data

Electrical data

Electrical Data

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Unit combination			Power supply				Comp.		OFM		IFM		
Indoor unit	Outdoor unit		Hz-volts	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQ50B8V1	X4 RZQ200C7Y1B	50 - 400	Max. 50Hz 415V Min. 50Hz 380V	17.8	-	20	-	14.7	0.75	0.7	0.045×4	0.6×4	
FCQ60B8V1	X3 RZQ200C7Y1B	50 - 400		17.2	-	20	-	14.7	0.75	0.7	0.045×3	0.6×3	
FCQ71B8V3B	X3 RZQ200C7Y1B	50 - 400		17.2	-	20	-	14.7	0.75	0.7	0.045×3	0.6×3	
FCQ100B8V3B	X2 RZQ200C7Y1B	50 - 400		17.4	-	20	-	14.7	0.75	0.7	0.090×2	1.0×2	
FCQ50C7VEB	X4 RZQ200C7Y1B	50 - 400		15.2	-	20	-	13.3	0.75	0.7	0.056×4	0.3×4	
FCQ60C7VEB	X3 RZQ200C7Y1B	50 - 400		15.2	-	20	-	13.3	0.75	0.7	0.056×3	0.4×3	
FCQ71C7VEB	X3 RZQ200C7Y1B	50 - 400		15.5	-	20	-	13.3	0.75	0.7	0.056×3	0.5×3	
FCQ100C7VEB	X2 RZQ200C7Y1B	50 - 400		15.4	-	20	-	13.3	0.75	0.7	0.120×2	0.7×2	
FFQ50B1V1B	X4 RZQ200C7Y1B	50 - 400		16.8	-	25	-	13.3	0.75	0.7	0.055×4	0.7×4	
FFQ60B1V1B	X3 RZQ200C7Y1B	50 - 400		16.1	-	20	-	13.3	0.75	0.7	0.055×3	0.7×3	
FBQ50B7V1	X4 RZQ200C7Y1B	50 - 400		16.8	-	25	-	13.3	0.75	0.7	0.085×4	0.7×4	
FBQ60B7V1	X3 RZQ200C7Y1B	50 - 400		16.7	-	25	-	13.3	0.75	0.7	0.125×3	0.9×3	
FBQ71B7V3B	X3 RZQ200C7Y1B	50 - 400		16.7	-	25	-	13.3	0.75	0.7	0.125×3	0.9×3	
FBQ100B7V3B	X2 RZQ200C7Y1B	50 - 400		16.0	-	20	-	13.3	0.75	0.7	0.135×2	1.0×2	
FHQ50B1V1B	X4 RZQ200C7Y1B	50 - 400		16.4	-	20	-	13.3	0.75	0.7	0.062×4	0.6×4	
FHQ60B1V1B	X3 RZQ200C7Y1B	50 - 400		15.8	-	20	-	13.3	0.75	0.7	0.062×3	0.6×3	
FHQ71B1V1B	X3 RZQ200C7Y1B	50 - 400		15.8	-	20	-	13.3	0.75	0.7	0.062×3	0.6×3	
FHQ100B1V1B	X2 RZQ200C7Y1B	50 - 400		15.4	-	20	-	13.3	0.75	0.7	0.130×2	0.7×2	
FUQ71B1V1B	X3 RZQ200C7Y1B	50 - 400		16.1	-	20	-	13.3	0.75	0.7	0.045×3	0.7×3	
FUQ100B1V1B	X2 RZQ200C7Y1B	50 - 400		16.2	-	20	-	13.3	0.75	0.7	0.090×2	1.1×2	
FAQ71B1V1B	X3 RZQ200C7Y1B	50 - 400		14.9	-	20	-	13.3	0.75	0.7	0.043×3	0.3×3	
FAQ100B1V1B	X2 RZQ200C7Y1B	50 - 400		14.8	-	20	-	13.3	0.75	0.7	0.049×2	0.4×2	
FDQ200B7V3B	RZQ200C7Y1B	50 - 400		14.0	-	20	-	13.3	0.75	0.7	0.650	6.8	
FCQ60B8V1	X4 RZQ250C7Y1B	50 - 400		17.8	-	20	-	14.7	0.75	0.7	0.045×4	0.6×4	
FCQ125B8V3B	X2 RZQ250C7Y1B	50 - 400		17.4	-	20	-	14.7	0.75	0.7	0.090×2	1.0×2	
FCQ60C7VEB	X4 RZQ250C7Y1B	50 - 400		15.6	-	20	-	13.3	0.75	0.7	0.056×4	0.4×4	
FCQ125C7VEB	X2 RZQ250C7Y1B	50 - 400		16.0	-	20	-	13.3	0.75	0.7	0.120×2	1.0×2	
FFQ60B1V1B	X4 RZQ250C7Y1B	50 - 400		16.8	-	25	-	13.3	0.75	0.7	0.055×4	0.7×4	
FBQ60B7V1	X4 RZQ250C7Y1B	50 - 400		17.6	-	25	-	13.3	0.75	0.7	0.125×4	0.9×4	
FBQ125B7V3B	X2 RZQ250C7Y1B	50 - 400		16.8	-	25	-	13.3	0.75	0.7	0.225×2	1.4×2	
FHQ60B1V1B	X4 RZQ250C7Y1B	50 - 400		16.4	-	20	-	13.3	0.75	0.7	0.062×4	0.6×4	
FHQ125B1V1B	X2 RZQ250C7Y1B	50 - 400		15.4	-	20	-	13.3	0.75	0.7	0.130×2	0.7×2	
FUQ125B1V1B	X2 RZQ250C7Y1B	50 - 400		16.2	-	20	-	13.3	0.75	0.7	0.090×2	1.1×2	
FDQ125B7V3B	X2 RZQ250C7Y1B	50 - 400		14.0	-	20	-	13.3	0.75	0.7	0.500×2	4.2×2	
FDQ250B7V3B	RZQ250C7Y1B	50 - 400		14.0	-	20	-	13.3	0.75	0.7	1.000	7.6	
FCQH671FVEB	X3 RZQ200C7Y1B	50 - 400		17.3	-	20	-	13.3	0.75	0.7	0.091×3	0.5×3	
FCQH6100FVEB	X2 RZQ200C7Y1B	50 - 400		18.7	-	20	-	13.3	0.75	0.7	0.221×2	1.3×2	
FCQ650FVEB	X4 RZQ200C7Y1B	50 - 400		16.9	-	20	-	13.3	0.75	0.7	0.039×4	0.3×4	
FCQ660FVEB	X3 RZQ200C7Y1B	50 - 400		16.5	-	20	-	13.3	0.75	0.7	0.044×3	0.3×3	
FCQ671FVEB	X3 RZQ200C7Y1B	50 - 400		16.9	-	20	-	13.3	0.75	0.7	0.048×3	0.4×3	
FCQ6100FVEB	X2 RZQ200C7Y1B	50 - 400		17.2	-	20	-	13.3	0.75	0.7	0.117×2	0.7×2	
FHQ50CAVEB	X4 RZQ200C7Y1B	50 - 400		17.9	-	20	-	13.3	0.75	0.7	0.060×4	0.5×4	
FHQ60CAVEB	X3 RZQ200C7Y1B	50 - 400		17.3	-	20	-	13.3	0.75	0.7	0.091×3	0.5×3	
FHQ71CAVEB	X3 RZQ200C7Y1B	50 - 400		18.4	-	20	-	13.3	0.75	0.7	0.091×3	0.8×3	
FHQ100CAVEB	X2 RZQ200C7Y1B	50 - 400		18.4	-	20	-	13.3	0.75	0.7	0.150×2	1.2×2	
FUQ71CVEB	X3 RZQ200C7Y1B	50 - 400		18.0	-	20	-	13.3	0.75	0.7	0.046×3	0.7×3	
FUQ100CVEB	X2 RZQ200C7Y1B	50 - 400		17.9	-	20	-	13.3	0.75	0.7	0.106×2	1.0×2	
FAQ71CVEB	X3 RZQ200C7Y1B	50 - 400		16.9	-	20	-	13.3	0.75	0.7	0.048×3	0.4×3	
FAQ100CVEB	X2 RZQ200C7Y1B	50 - 400		16.4	-	20	-	13.3	0.75	0.7	0.064×2	0.4×2	
FCQH6125FVEB	X2 RZQ250C7Y1B	50 - 400		18.9	-	20	-	13.3	0.75	0.7	0.224×2	1.4×2	
FCQ660FVEB	X4 RZQ250C7Y1B	50 - 400		16.9	-	20	-	13.3	0.75	0.7	0.044×4	0.3×4	
FCQ6125FVEB	X2 RZQ250C7Y1B	50 - 400		18.2	-	20	-	13.3	0.75	0.7	0.106×2	1.1×2	
FHQ60CAVEB	X4 RZQ250C7Y1B	50 - 400		17.9	-	20	-	13.3	0.75	0.7	0.091×4	0.5×4	
FHQ125CAVEB	X2 RZQ250C7Y1B	50 - 400		19.4	-	20	-	13.3	0.75	0.7	0.150×2	1.6×2	
FUQ125CVEB	X2 RZQ250C7Y1B	50 - 400		18.2	-	20	-	13.3	0.75	0.7	0.106×2	1.1×2	

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

- 1 RLA is based on the following indoor conditions:
Power supply: 50Hz 400V
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
- 2 TOCA means the total value of each OC set.
- 3 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- 4 Maximum allowable voltage variation between phases is 2%.
- 5 MCA represents maximum input current, MFA represents capacity which may accept MCA.
(next lower standard fuse rating, min.15A)
- 6 Select wire size based on the larger value of MCA or TOCA.
- 7 MFA is used to select the circuit breaker and the ground fault circuit interrupter, (earth leakage circuit breaker)

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Notes

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

Symbols		OFM	Outdoor fan motor
①	Hz	IFM	Indoor fan motor
②	Voltage	FLA	Full Load Ampere (A)
③	Voltage range	kW	Fan motor rated output [kW]
MCA	Minimum Circuit Ampere [A]	RHz	Rated operating frequency [Hz]
MFA	Maximum Fuse Ampere [A]	COMP	Compressor
RLA	Rated load amps [A]		

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Unit combination		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	①	②	③	MCA	MFA	RHZ	RLA	kW	FLA	kW	FLA
3xFBQ35D2VEB	RZQSG100L8Y1B	3N [~] 50Hz	380~415V	MAX. 50Hz 456V MIN. 50Hz 342V	15,4	16	-	11,4	0,2	0,6	3x0.089	3x0.6
FBQ125D2VEB	RZQSG125L8Y1B				15,2	16	-	11,4	0,2	0,6	0,187	1,5
2xFBQ60D2VEB	RZQSG125L8Y1B				14,7	16	-	11,4	0,2	0,6	2x0.07	2x0.5
3xFBQ50D2VEB	RZQSG125L8Y1B				15,5	16	-	11,4	0,2	0,6	3x0.089	3x0.6
4xFBQ35D2VEB	RZQSG125L8Y1B				16,1	20	-	11,4	0,2	0,6	4x0.089	4x0.6
FBQ140D2VEB	RZQSG140L7Y1B				18,5	20	-	14,2	0.094 + 0.094	0.4 + 0.4	0,187	1,5
2xFBQ71D2VEB	RZQSG140L7Y1B				18	20	-	14,2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5
3xFBQ50D2VEB	RZQSG140L7Y1B				18,8	20	-	14,2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6
4xFBQ35D2VEB	RZQSG140L7Y1B				19,4	25	-	14,2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6
2xFBQ100D2VEB	RZQ200C7Y1B	3N [~] 50Hz	400V	MAX. 50Hz 415V MIN. 50Hz 380V	16	20	-	13,3	0,75	0,7	2x0.127	2x1
3xFBQ71D2VEB	RZQ200C7Y1B				15,5	20	-	13,3	0,75	0,7	3x0.07	3x0.5

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

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Unit combination restrictions		Power supply						COMP		OFM		IFM	
Indoor	Outdoor	(1)	(2)	(3)	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA	
3xFBA35A2VEB	RZQSG100L8Y1B	3N~ 50Hz	380~415V	MAX. 50Hz 456V MIN. 50Hz 342V	15.4	16	-	11.4	0.2	0.6	3x0.089	3x0.6	
FBA125A2VEB	RZQSG125L8Y1B				15.2	16	-	11.4	0.2	0.6	0.187	1.5	
2xFBA60A2VEB	RZQSG125L8Y1B				14.7	16	-	11.4	0.2	0.6	2x0.07	2x0.5	
3xFBA50A2VEB	RZQSG125L8Y1B				15.5	16	-	11.4	0.2	0.6	3x0.089	3x0.6	
4xFBA35A2VEB	RZQSG125L8Y1B				16.1	20	-	11.4	0.2	0.6	4x0.089	4x0.6	
FBA140A2VEB	RZQSG140L7Y1B				18.5	20	-	14.2	0.094 + 0.094	0.4 + 0.4	0.187	1.5	
2xFBA71A2VEB	RZQSG140L7Y1B				18	20	-	14.2	0.094 + 0.094	0.4 + 0.4	2x0.07	2x0.5	
3xFBA50A2VEB	RZQSG140L7Y1B				18.8	20	-	14.2	0.094 + 0.094	0.4 + 0.4	3x0.089	3x0.6	
4xFBA35A2VEB	RZQSG140L7Y1B				19.4	25	-	14.2	0.094 + 0.094	0.4 + 0.4	4x0.089	4x0.6	
2xFBA100A2VEB	RZQ200C7Y1B	3N~ 50Hz	400V	MAX. 50Hz 415V MIN. 50Hz 380V	16	20	-	13.3	0.75	0.7	2x0.127	2x1.0	
3xFBA71A2VEB	RZQ200C7Y1B				15.5	20	-	13.3	0.75	0.7	3x0.07	3x0.5	

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

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Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	(1)	(2)	(3)	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
3xFAQ60D2VEB	RZQ200C7Y1B	3N~ 50Hz	400V	MAX. 50Hz 415V MIN. 50Hz 380V	15.5	20	-	13.3	0.75	0.7	3x0.07	3x0.5
4xFAQ50D2VEB	RZQ200C7Y1B				16.4	20	-	13.3	0.75	0.7	4x0.089	4x0.6
2xFAQ125D2VEB	RZQ250C7Y1B				17	20	-	13.3	0.75	0.7	2x0.187	2x1.5
4xFAQ60D2VEB	RZQ250C7Y1B				16	20	-	13.3	0.75	0.7	4x0.07	4x0.5

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

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor	Outdoor	(1)	(2)	(3)	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
3x FBA60A 2VEB	RZQ200C7Y1 B	3N ~ 50Hz	400V	MAX. 50Hz 415V MIN. 50Hz 380V	1 5.5	20	-	13.3	0.75	0.7	3x0.07	3x0.5
4x FBA50A 2VEB	RZQ200C7Y1 B				1 6.4	20	-	13.3	0.75	0.7	4x0.089	4x0.5
2x FBA125A 2VEB	RZQ250C7Y1 B				1 7	20	-	13.3	0.75	0.7	2x0.187	2x1.5
4x FBA60A 2VEB	RZQ250C7Y1 B				1 6	20	-	13.3	0.75	0.7	4x0.07	4x0.5

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Indoor units	Outdoor units	Power supply					Compressor	OFM		IFM	
		Hz	Voltage	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FFQ50C2VEB x 4	RZQ200C7Y1B	50	400	Maximum 50Hz 415V Maximum 50Hz 380V	17.4	20	13.3	0.75	0.7	0.05 x 4	0.4 x 4
FFQ60C2VEB x 3					17.7					0.05 x 3	0.6 x 3
FFQ60C2VEB x 4	RZQ250C7Y1B				18.4					0.05 x 4	0.6 x 4

Indoor units	Outdoor units	Power supply					Compressor	OFM		IFM	
		Hz	Voltage	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FFA50A2VEB x 4	RZQ200C7Y1B	50	400	Maximum 50Hz 415V Maximum 50Hz 380V	17.4	20	13.3	0.75	0.7	0.05 x 4	0.4 x 4
FFA60A2VEB x 3					17.7					0.05 x 3	0.6 x 3
FFA60A2VEB x 4	RZQ250C7Y1B				18.4					0.05 x 4	0.6 x 4

SYMBOLS

MCA	: Min. Circuit Amps.	[A]
MFA	: Max. Fuse Amps.	[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.
Indoor temperature: 27°C DB / 19°C WB
Outdoor temperature: 35°C DB
- The maximum allowable voltage that is unbalanced between phases is 2%.
- Select the wire size according to the MCA.
- MFA is used to select the circuit breaker and the ground fault circuit interruptor.
- 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.
- 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.

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3 Electrical data

3 - 1 Electrical Data

RZQ200-250C

Unit combination		Power supply				Comp.	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	W	FLA	W	FLA
FBQ100C7VEB x 2	RZQ200C7Y1B	50 - 400	Max. 50Hz 440V Min. 50Hz 360V	17.2	20	13.3	750	0,7	350x2	1,6x2
FBQ71C7VEB x 3				17.3					350x3	1,1x3
FBQ60C7VEB x 3				17.3					350x3	1,1x3
FBQ50C7VEB x 4				18.4					140x4	1,1x4
FBQ125C7VEB x 2	RZQ250C7Y1B			18.2					350x2	2,1x2
FBQ60C7VEB x 4				18.4					350x4	1,1x4

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SYMBOLS

MCA	: Min. Circuit Amps (A)
MFA	: Max. Fuse Amps (See note 4) (A)
RLA	: Rated Load Amps (A)
OFM	: Outdoor Fan Motor (A)
IFM	: Indoor Fan Motor
FLA	: Full Load Amps
kW	: Fan Motor Rated Output (W)

NOTES

- 1 RLA is based on the following conditions:
Indoor temperature 27°CDB/19°CWB
Outdoor temperature 35°CDB
- 2 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
- 3 Maximum allowable voltage unbalance between phases is 2%
- 4 MCA represents maximum input current, MFA represents capacity which may accept MCA (next lower standard fuse rating, min.15A)
- 5 Select wire size based on the larger value of MCA.
- 6 MFA is used to select the circuit breaker and earth leakage circuit breaker

3 Electrical data

3 - 1 Electrical Data

RZQ200-250C

Unit combination			Minimum Ssc value [kVA]
FCQ50C7VEB	x4	RZQ200C7Y1B	-
FCQ60C7VEB	x3	RZQ200C7Y1B	-
FCQ71C7VEB	x3	RZQ200C7Y1B	-
FCQ100C7VEB	x2	RZQ200C7Y1B	-
FFQ50BV1B	x4	RZQ200C7Y1B	1025
FFQ60BV1B	x3	RZQ200C7Y1B	1025
FBQ50B7V1	x4	RZQ200C7Y1B	1025
FBQ60B7V1	x3	RZQ200C7Y1B	1025
FBQ71B7V3B	x3	RZQ200C7Y1B	1025
FBQ100B7V3B	x2	RZQ200C7Y1B	-
FHQ50BUIV1B	x4	RZQ200C7Y1B	1025
FHQ60BUIV1B	x3	RZQ200C7Y1B	-
FHQ71BUIV1B	x3	RZQ200C7Y1B	-
FHQ100BUIV1B	x2	RZQ200C7Y1B	-
FUQ71BUIV1B	x3	RZQ200C7Y1B	1025
FUQ100BUIV1B	x2	RZQ200C7Y1B	1025
FAQ71BUIV1B	x3	RZQ200C7Y1B	-
FAQ100BUIV1B	x2	RZQ200C7Y1B	-
FDQ200B7V3B	x1	RZQ200C7Y1B	-
FCQ60C7VEB	x4	RZQ250C7Y1B	-
FCQ125C7VEB	x2	RZQ250C7Y1B	-
FFQ60BV1B	x4	RZQ250C7Y1B	1025
FBQ60B7V1	x4	RZQ250C7Y1B	1025
FBQ125B7V3B	x2	RZQ250C7Y1B	1025
FHQ60BUIV1B	x4	RZQ250C7Y1B	1025
FHQ125BUIV1B	x2	RZQ250C7Y1B	-
FUQ125BUIV1B	x2	RZQ250C7Y1B	1025
FDQ125B7V3B	x2	RZQ250C7Y1B	-
FDQ250B7V3B	x1	RZQ250C7Y1B	-

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NOTES

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

- (*) 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.

- (**) Short-circuit power

3 Electrical data

3 - 1 Electrical Data

RZQ-C

Ssc value [kVA]

	FBQ35C	FBQ50C	FBQ60C	FBQ71C	FBQ100C	FBQ125C	FBQ140C
RZQ71D3V1	2 (77.1)			P (89.7)			
RZQ100D9V1	3 (97.3)	2 (77.1)			P (89.7)		
RZQ125D9V1	3/4 (116.2)	3 (97.3)	2 (138.1)			P (89.7)	
RZQ140D9V1	4 (116.2)	3 (97.3)		2 (138.1)			P (89.7)

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

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 Ssc⁽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

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4 Options

4 - 1 Options

RZQ-C

Available options for RZQ200/250C7Y1B models

		Option kit	
		RZQ200C7Y1B	RZQ250C7Y1B
Central drain pan kit		KWC26B280	
Refrigerant branch piping	Twin	KHRQ22M20TA	
	Triple	KHRQ250H7	
	Double twin	KHRQ22MTA (3x)	
Demand adapter kit		KRP58M3	

4TW29049-1B

5 Combination table

5 - 1 Combination Table

RZQ-C

Possible combinations and standard capacities for twin, triple and double twin operation

	Indoor unit combinations		
	Simultaneous operation		
	Twin	Triple	Double twin
Outdoor units			
RZQ200C7Y1B	100 - 100 (KHRQ22M20TA)	60 - 60 - 60 71 - 71 - 71 (KHRQ250H)	50 - 50 - 50 - 50 (3x KHRQ22M20TA)
RZQ250C7Y1B	125 - 125 (KHRQ22M20TA)		60 - 60 - 60 - 60 (3x KHRQ22M20TA)

NOTES

1. Possible indoor units

FCQ50-125	FCAG50-125
FCQHG50-125	FCAHG50-125
FCQ50-125	
FFQ50,60	FFA50,60
FHQ50-125	FHA50-125
FBQ50-125	FBA50-125
FAQ71,100	FAA71,100
FUQ71-125	FUA71-125
FDQ125	FDA125
FDXS50/60	FDXM50/60
FNQ50/60	FNA50/60

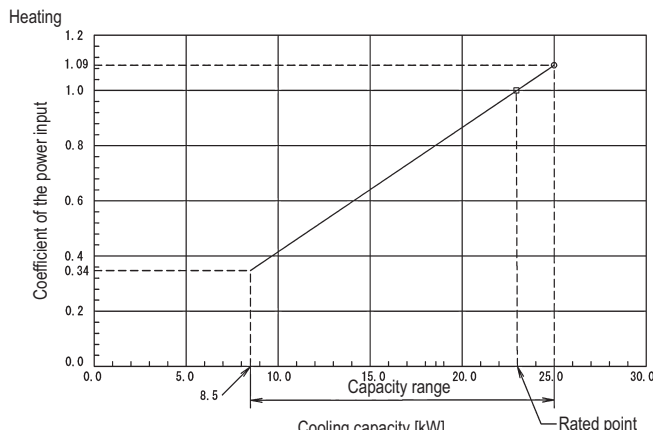
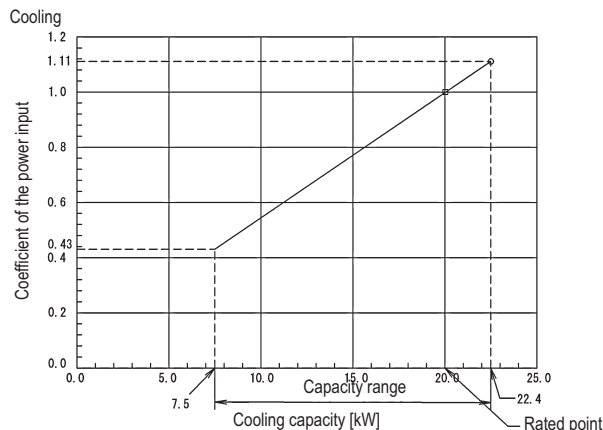
- The capacities in the table are combined capacities (multiple units operating simultaneously) and not individual indoor unit capacities.
- Do not combine indoor units of difference types within the same installation.
- The refnet kits required to install the various combinations are mentioned between brackets.
- Editable data for this drawing are available in the GDE (E-BOM) system.

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6 Capacity tables

6 - 1 Cooling/Heating Capacity Tables

RZQ200C



Indoor	Outdoor temperature [°C DB]											
	25			30			35			40		
°CWB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16	22.20	17.00	0.82	19.40	16.30	0.90	18.60	15.50	0.98	17.70	14.80	1.06
18	21.30	17.10	0.83	20.40	16.40	0.91	19.50	15.70	0.99	18.60	14.90	1.07
19	21.80	17.10	0.84	20.90	16.40	0.92	20.00	15.60	1.00	19.10	14.90	1.08
20	22.30	17.10	0.84	21.40	16.40	0.92	20.50	15.60	1.01	19.60	14.90	1.09
22	23.40	17.00	0.85	22.40	16.30	0.94	21.40	15.60	1.02	20.50	14.90	1.10
24	24.40	16.80	0.86	23.40	16.10	0.95	22.40	15.40	1.03	21.40	14.70	1.12

Indoor	Outdoor temperature [°C DB]											
	-15			-10			-5			0		
°CWB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16	10.80	0.83	12.20	0.87	13.90	0.91	15.50	0.96	23.30	0.97	25.40	1.01
18	10.80	0.84	12.20	0.88	13.80	0.93	15.40	0.97	23.20	0.98	25.30	1.03
20	10.70	0.85	12.10	0.90	13.70	0.94	15.30	0.99	23.00	1.00	25.10	1.04
22	10.60	0.87	12.00	0.91	13.60	0.96	15.20	1.01	22.80	1.02	24.90	1.06
24	10.50	0.88	11.90	0.93	13.50	0.98	15.10	1.02	22.70	1.03	24.70	1.08

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 EWB and EDB.
 SHC for other dry bulb temperature = SHC + SHC*.
 SHC* = SHC correction for other dry bulb. = $0.02 \times \text{AFR} (\text{m}^3/\text{min}) \times (1-\text{BF}) \times (\text{DB}^* - \text{EDB})$.
- 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: 0 m
- 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.

Twin							
AFR	FCAHG100H x 2	FCAHG100B x 2	FHQ100CA x 2	FUQ100C x 2	FAQ100C x 2		
(BF)	32.3 x 2 (0.17 x 2)	32.3 x 2 (0.17 x 2)	28 x 2 (0.09 x 2)	31 x 2 (0.2 x 2)	26 x 2 (0.09 x 2)		
Triple							
AFR	FCAHG71H x 3	FCAG60B x 3	FCAG71B x 3	FHQ60CA x 3	FHQ71CA x 3	FUQ71C x 3	FAQ71C x 3
(BF)	21.2 x 3 (0.2 x 3)	13.6 x 3 (0.2 x 3)	21.5 x 3 (0.14 x 3)	19.5 x 3 (0.2 x 3)	20.5 x 3 (0.13 x 3)	23 x 3 (0.24 x 3)	18 x 3 (0.16 x 3)
Double twin							
AFR	FCAG50B x 4	FHQ50CA x 4					
(BF)	12.6 x 4 (0.22 x 4)	15 x 4 (0.17 x 4)					

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

Twin	FCAHG100H x 2	FCAHG100B x 2	FHQ100CA x 2	FUQ100C x 2	FAQ100C x 2		
Cooling	5.60	6.13	6.00	6.07	5.99		
Heating	5.51	6.51	6.36	6.96	6.85		
Triple	FCAHG71H x 3	FCAG100B x 3	FCAG71B x 3	FHQ60CA x 3	FHQ71CA x 3	FUQ71C x 3	FAQ71C x 3
Cooling	5.90	7.12	7.12	6.32	6.32	5.93	6.31
Heating	5.81	7.30	7.30	7.02	7.02	6.48	7.28
Double twin	FCAG50B x 4	FHQ50CA x 4					
Cooling	7.12	6.32					
Heating	7.30	7.02					

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 [MBh]
 CPI : Coefficient of the power input
 PI : Power Input [kW]
 compressor + indoor and outdoor fan motors

CAUTION

TC and SHC are shown by kW

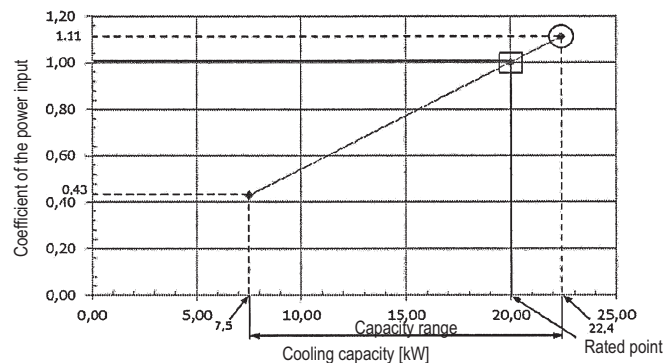
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6 Capacity tables

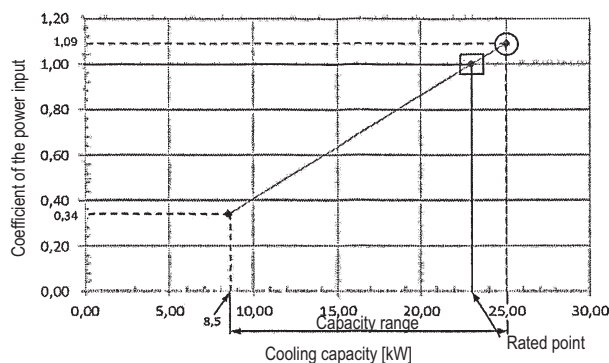
6 - 1 Cooling/Heating Capacity Tables

RZQ200C

Cooling



Heating



Indoor	Outdoor temperature °C DB											
	25			30			35			40		
	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	kW	kW	—	kW	kW	—	kW	kW	—	kW	kW	—
16	22.20	17.00	0.82	19.40	16.30	0.90	18.60	15.50	0.98	17.70	14.80	1.06
18	21.30	17.10	0.83	20.40	16.40	0.91	19.50	15.70	0.99	18.60	14.90	1.07
19	21.80	17.10	0.84	20.90	16.40	0.92	20.00	15.60	1.00	19.10	14.90	1.08
20	22.30	17.10	0.84	21.40	16.40	0.92	20.50	15.60	1.01	19.60	14.90	1.09
22	23.40	17.00	0.85	22.40	16.30	0.94	21.40	15.60	1.02	20.50	14.90	1.10
24	24.40	16.80	0.86	23.40	16.10	0.95	22.40	15.40	1.03	21.40	14.70	1.12

Indoor	Outdoor temperature °C DB											
	-15			-10			-5			0		
	TC	CPI	—	TC	CPI	—	TC	CPI	—	TC	CPI	—
°CWB	kW	—	kW	kW	—	kW	kW	—	kW	kW	—	kW
16	10.80	0.83	12.20	0.87	13.90	0.91	15.50	0.96	23.30	0.97	25.40	1.01
18	10.80	0.84	12.20	0.88	13.80	0.93	15.40	0.97	23.20	0.98	25.30	1.03
20	10.70	0.85	12.10	0.90	13.70	0.94	15.30	0.99	23.00	1.00	25.10	1.04
22	10.60	0.87	12.00	0.91	13.60	0.96	15.20	1.01	22.80	1.02	24.90	1.06
24	10.50	0.88	11.90	0.93	13.50	0.98	15.10	1.02	22.70	1.03	24.70	1.08

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 EWB & EDB.
SHC for other dry-bulb temperatures EWB + SHC*.
SHC* = SHC correction for other dry-bulb. temperatures = $0.02 \times \text{AFR} (\text{m}^3/\text{min}) \times (1 - \text{BF}) \times (\text{DB}^* - \text{EDB})$.
- 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: 0 m
- 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	FDQ200
AFR	69
(BF)	(0.31)

Twin	FBQ100C x 2	FBQ100D x 2
		FBA100A x 2
AFR	32.3 x 2	29 x 2
(BF)	(0.13 x 2)	(0.03 x 2)

Triple	FFQ60C x 3	FBQ60C x 3	FBQ71C x 3	FBQ60D x 3	FBQ71D x 3	FDXS60F x 3	FNQ60A x 3
	FFA60A x 3			FBA60A x 3	FBA71A x 3	FDXM60F3 x 3	FNA60A x 3
AFR	14.5 x 3	18 x 3	18 x 3	18 x 3	18 x 3	16 x 3	16 x 3
(BF)	(0.11 x 3)	(0.15 x 3)	(0.08 x 3)	(0.15 x 3)	(0.13 x 3)	(0.12 x 3)	(0.12 x 3)

Double twin	FFQ50C x 4	FBQ50C x 4	FBQ50D x 4	FDXS50F9 x 4	FNQ50A x 4
	FFA50A x 4		FBA50A x 4	FDXM50F3 x 4	FNA50A x 4
AFR	12.7 x 4	16 x 4	15 x 4	16 x 4	16 x 4
(BF)	(0.16 x 4)	(0.16 x 4)	(0.13 x 4)	(0.11 x 4)	(0.11 x 4)

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

Pair	FDQ200
Cooling	6.23
Heating	6.74

Twin	FBQ100C x 2	FBQ100D x 2
		FBA100A x 2
Cooling	5.99	5.99
Heating	5.72	5.72

Triple	FFQ60C x 3	FBQ60C x 3	FBQ71C x 3	FBQ60D x 3	FBQ71D x 3	FDXS60F x 3	FNQ60A x 3
	FFA60A x 3			FBA60A x 3	FBA71A x 3	FDXM60F3 x 3	FNA60A x 3
Cooling	6.46	6.31	6.31	6.31	6.31	6.93	6.93
Heating	6.26	6.05	6.05	6.05	6.05	6.62	6.62

Double twin	FFQ50C x 4	FBQ50C x 4	FBQ50D x 4	FDXS50F9 x 4	FNQ50A x 4
	FFA50A x 4		FBA50A x 4	FDXM50F3 x 4	FNA50A x 4
Cooling	5.87	6.31	6.31	6.09	6.09
Heating	6.08	6.05	6.05	5.90	5.90

- Editable data for this drawing are available in the GDE (E-BOM) system.

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	[MBh]
CPI	: Coefficient of the power input	
PI	: Power Input	[kW]
	compressor + indoor and outdoor fan motors	

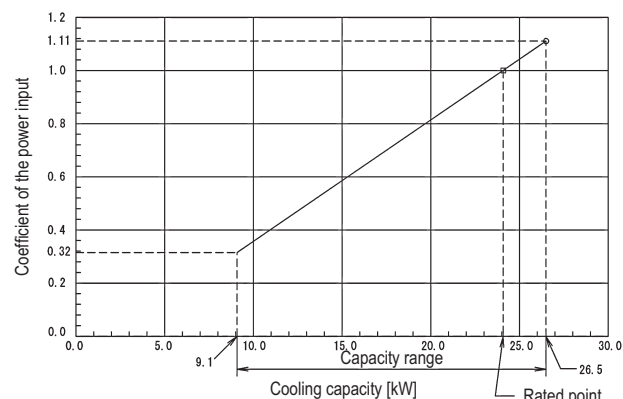
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6 Capacity tables

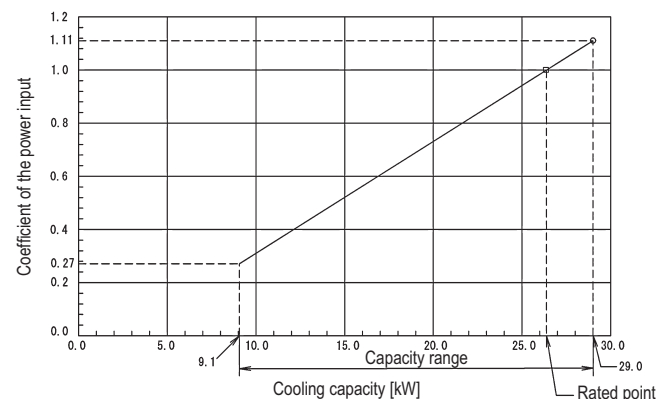
6 - 1 Cooling/Heating Capacity Tables

RZQ250C

Cooling



Heating



Indoor	Outdoor temperature [°C DB]											
	25			30			35			40		
°CWB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16	24.5	21.5	0.79	23.5	20.7	0.88	22.5	19.8	0.98	21.5	19.0	1.09
18	25.7	21.5	0.80	24.6	20.6	0.89	23.6	19.8	0.99	22.5	18.9	1.09
19	26.2	21.5	0.80	25.2	20.6	0.90	24.1	19.8	1.00	23.0	19.0	1.10
20	26.8	21.4	0.81	25.7	20.5	0.91	24.6	19.7	1.01	23.5	18.9	1.11
22	28.0	21.2	0.81	26.8	20.3	0.92	25.7	19.5	1.02	24.5	18.7	1.12
24	29.1	20.9	0.82	27.9	20.1	0.93	26.7	19.3	1.03	25.6	18.4	1.13

Indoor	Outdoor temperature [°C DB]											
	-15			-10			-5			0		
°CWB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	13.2	0.77	14.7	0.82	16.6	0.87	18.4	0.91	26.9	0.92	29.2	0.98
18	13.1	0.80	14.6	0.85	16.4	0.90	18.2	0.95	26.6	0.96	28.9	1.02
20	12.9	0.84	14.5	0.88	16.3	0.94	18.0	0.99	26.4	1.00	28.7	1.06
22	12.8	0.87	14.3	0.92	16.1	0.97	17.9	1.03	26.2	1.04	28.4	1.10
24	12.7	0.90	14.2	0.95	16.0	1.01	17.7	1.06	25.9	1.08	28.2	1.14

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 EWB and EDB.
 SHC for other dry bulb temperature = SHC + SHC*.
 SHC* = SHC correction for other dry-bulb
 = 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: 0 m
- 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.

Twin	FCAHG125H x 2	FCAHG125B x 2	FHQ125CA x 2	FUQ100C x 2
AFR	33.5 x 2	33 x 2	31 x 2	32.5 x 2
(BF)	(0.19 x 2)	(0.21 x 2)	(0.134 x 2)	(0.19 x 2)
Double twin	FCAG60B x 4	FHQ60CA x 4		
AFR	13.6 x 4	19.5 x 4		
(BF)	(0.2 x 4)	(0.20 x 4)		

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

Twin	FCAHG120H x 2	FCAG125B x 2	FHQ125CA x 2	FUQ125C x 2
Cooling	8.77	9.80	10.20	9.31
Heating	7.48	9.25	8.63	8.31
Double twin	FCAG60B x 4	FHQ60CA x 4		
Cooling	11.10	9.89		
Heating	9.88	9.43		

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 [MBh]
 CPI : Coefficient of the power input
 PI : Power Input [kW]
 compressor + indoor and outdoor fan motors

CAUTION

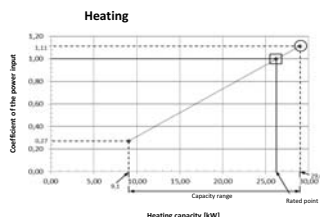
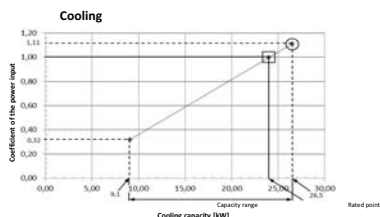
TC and SHC are shown by kW

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6 Capacity tables

6 - 1 Cooling/Heating Capacity Tables

RZQ250C



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	Outdoor temperature (°C DB)											
	25			30			35			40		
	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	kW	kW	—	kW	kW	—	kW	kW	—	kW	kW	—
16	24.5	21.5	0.79	23.5	20.7	0.88	22.5	19.8	0.98	21.5	19.0	1.08
18	25.7	21.5	0.80	24.6	20.6	0.89	23.6	19.8	0.99	22.5	18.9	1.09
19	26.7	21.5	0.80	25.2	20.6	0.90	24.1	19.8	1.00	23.0	19.0	1.10
20	26.8	21.4	0.81	25.7	20.5	0.91	24.6	19.7	1.01	23.5	18.9	1.11
22	28.0	21.2	0.81	26.8	20.3	0.92	25.7	19.5	1.02	24.5	18.7	1.12
24	29.1	20.9	0.82	27.9	20.1	0.93	26.7	19.3	1.03	25.6	18.4	1.13

Indoor	Outdoor temperature (°C WB)											
	-15			-10			-5			0		
	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
°CWB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—
16	13.2	0.77	14.7	0.82	16.6	0.87	18.4	0.91	20.9	0.96	23.2	0.98
18	13.1	0.80	14.6	0.85	16.4	0.90	18.2	0.95	20.6	0.96	22.9	1.02
20	12.9	0.84	14.5	0.88	16.3	0.94	18.0	0.99	20.4	1.00	22.7	1.06
22	12.8	0.87	14.3	0.92	16.1	0.97	17.9	1.03	20.2	1.04	22.4	1.10
24	12.7	0.90	14.2	0.95	16.0	1.01	17.7	1.06	20.0	1.08	22.2	1.14

- 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.

Pair	
AFR	RZQ250
(BF)	(0.34)

Twin	
AFR	39 x 2
(BF)	(0.34 x 2)

Double twin	
AFR	14.5 x 4
(BF)	(0.11 x 4)

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

Pair	
Cooling	8.98
Heating	8.22

Twin	
Cooling	8.98
Heating	7.38

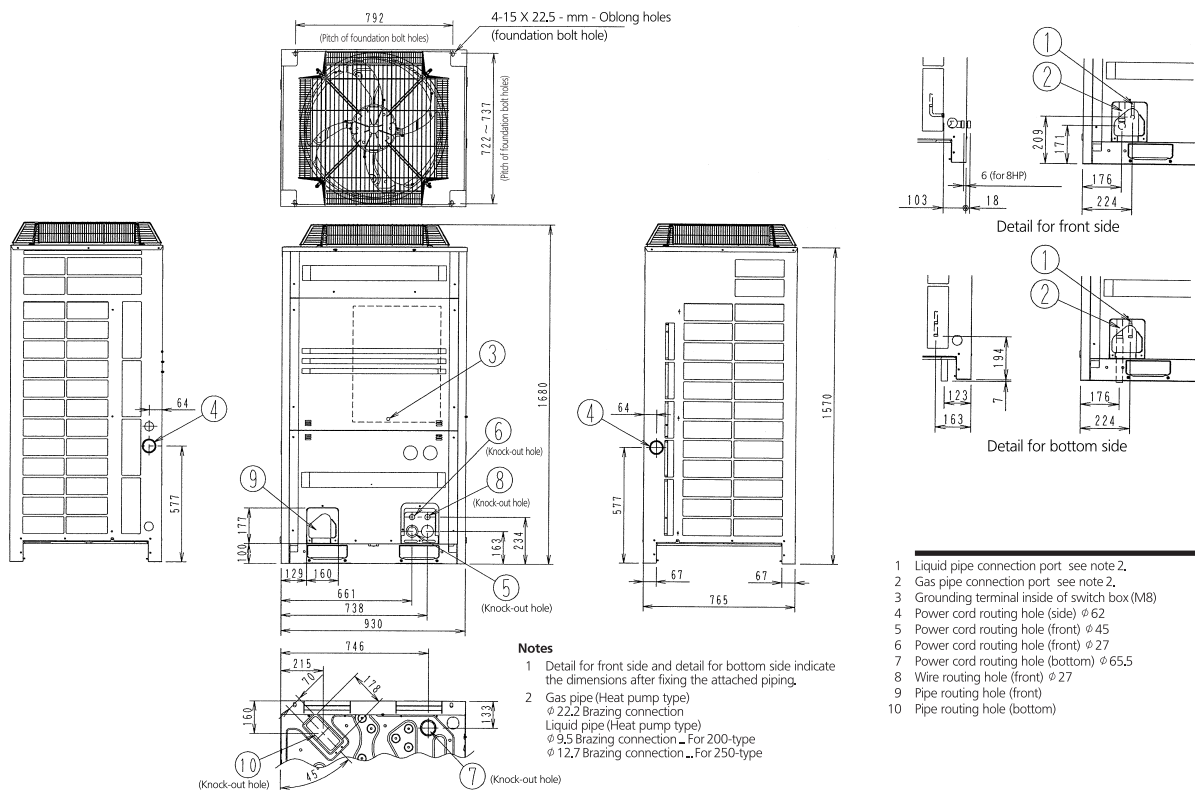
Double twin	
Cooling	9.64
Heating	8.05

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7 Dimensional drawings

7 - 1 Dimensional Drawings

RZQ200-250C

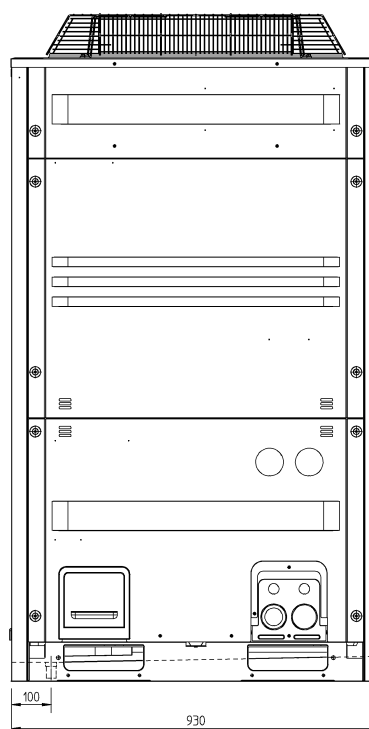
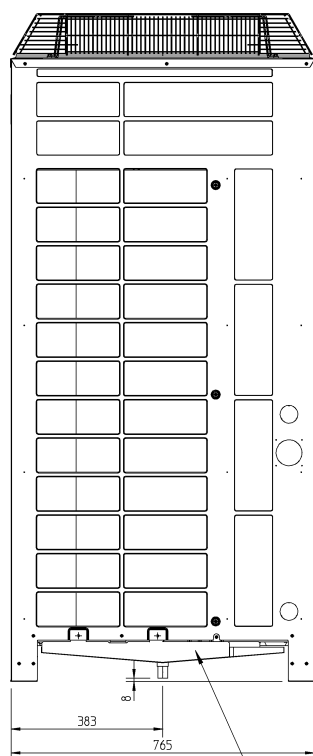


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7 Dimensional drawings

7 - 2 Dimensional Drawings with Accessories

RZQ200-250C



NOTES

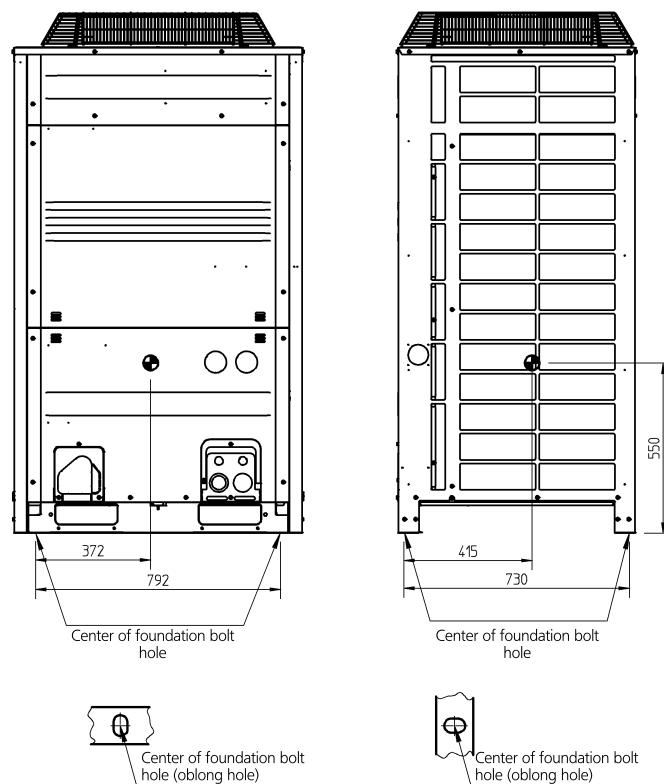
- 1 Central drain pan kit KWC26B280

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8 Centre of gravity

8 - 1 Centre of Gravity

RZQ200-250C



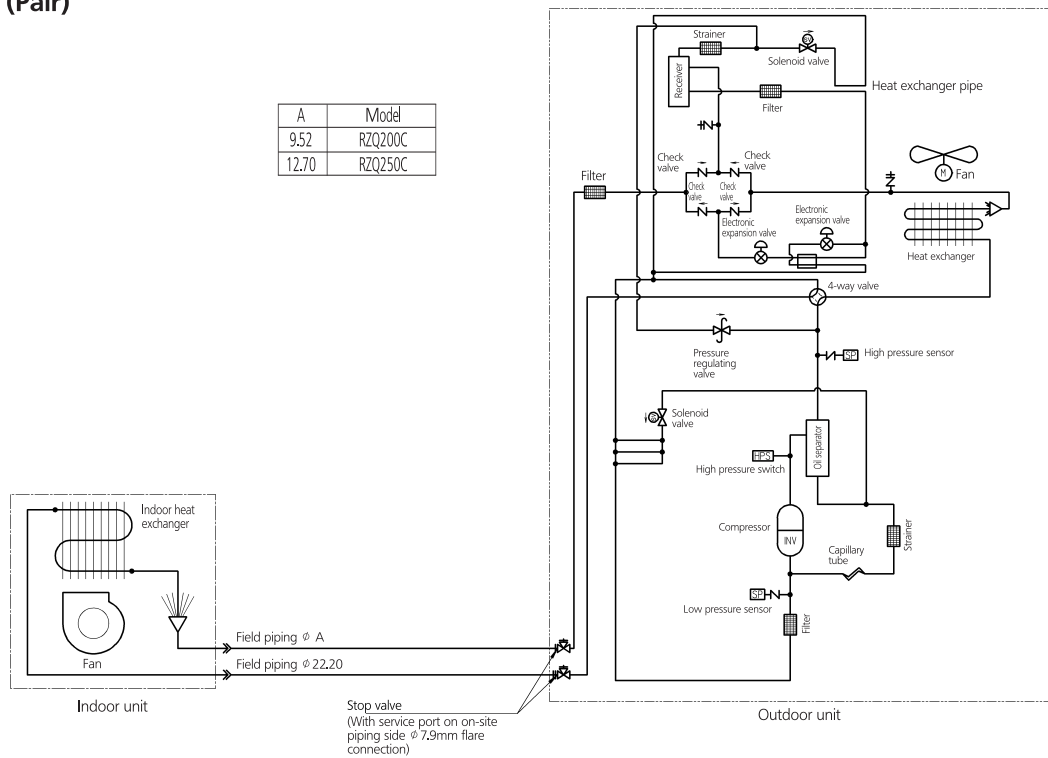
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9 Piping diagrams

9 - 1 Piping Diagrams

RZQ200-250C (Pair)

A	Model
9.52	RZQ200C
12.70	RZQ250C



Check valve
 Flare connection
 Screw connection
 Flange connection
 Pinched pipe
 Spinned pipe

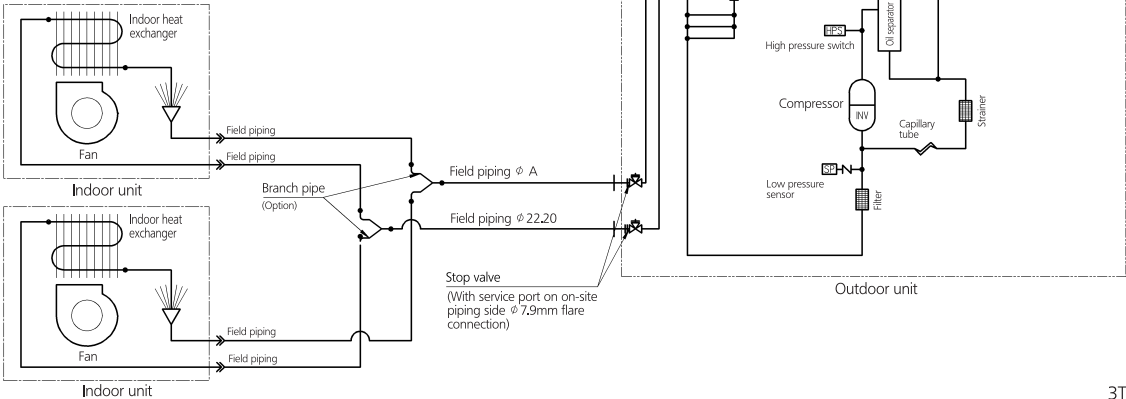
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9 Piping diagrams

9 - 2 Piping Diagram Twin Application

RZQ200-250C (Twin)

A	Model
9.52	RZQ200C
12.70	RZQ250C

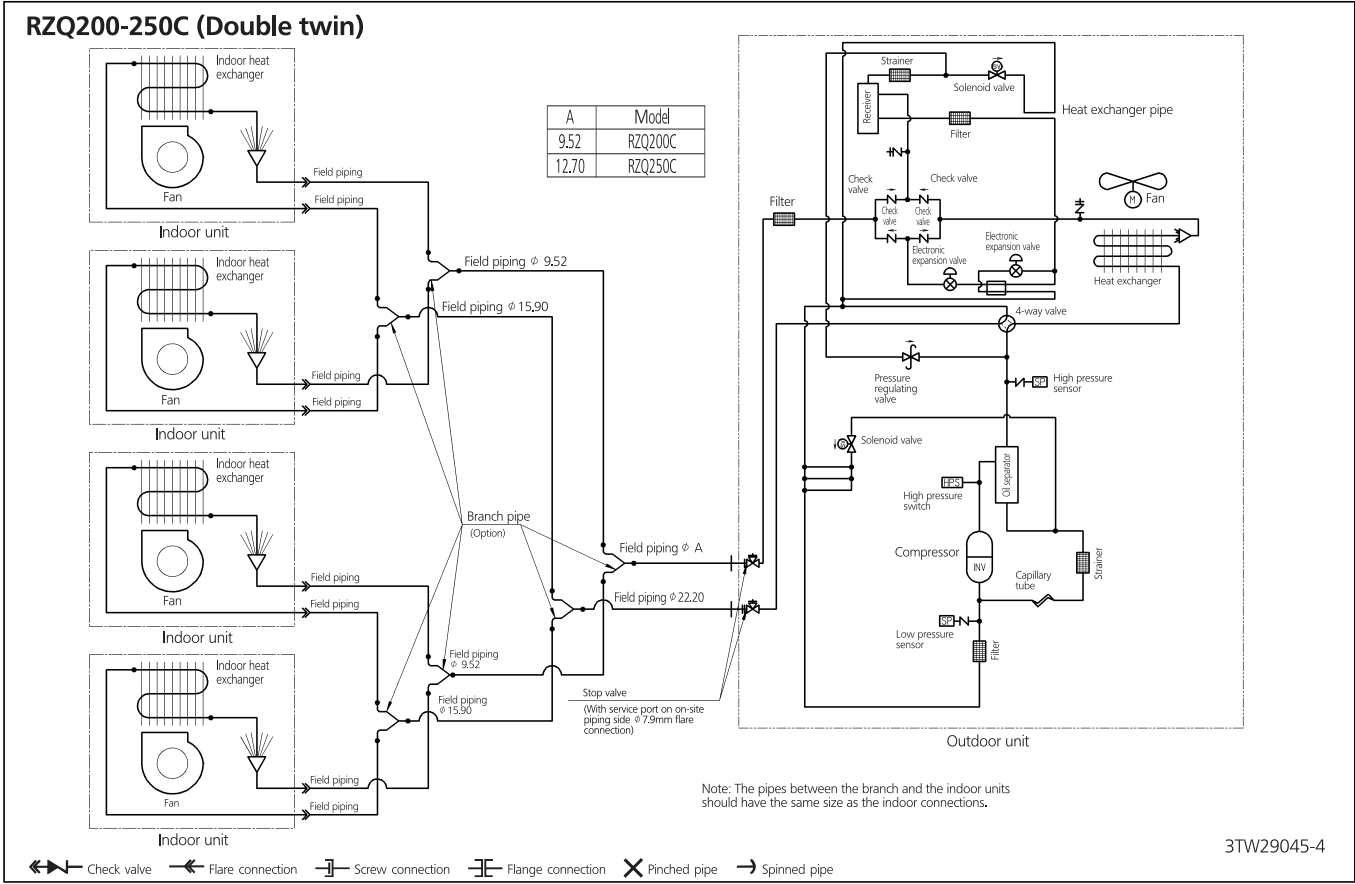


Check valve Flare connection Screw connection Flange connection Pinched pipe Spinned pipe

3TW29045-2

9 Piping diagrams

9 - 4 Piping Diagram Double Twin Application



10 Wiring diagrams

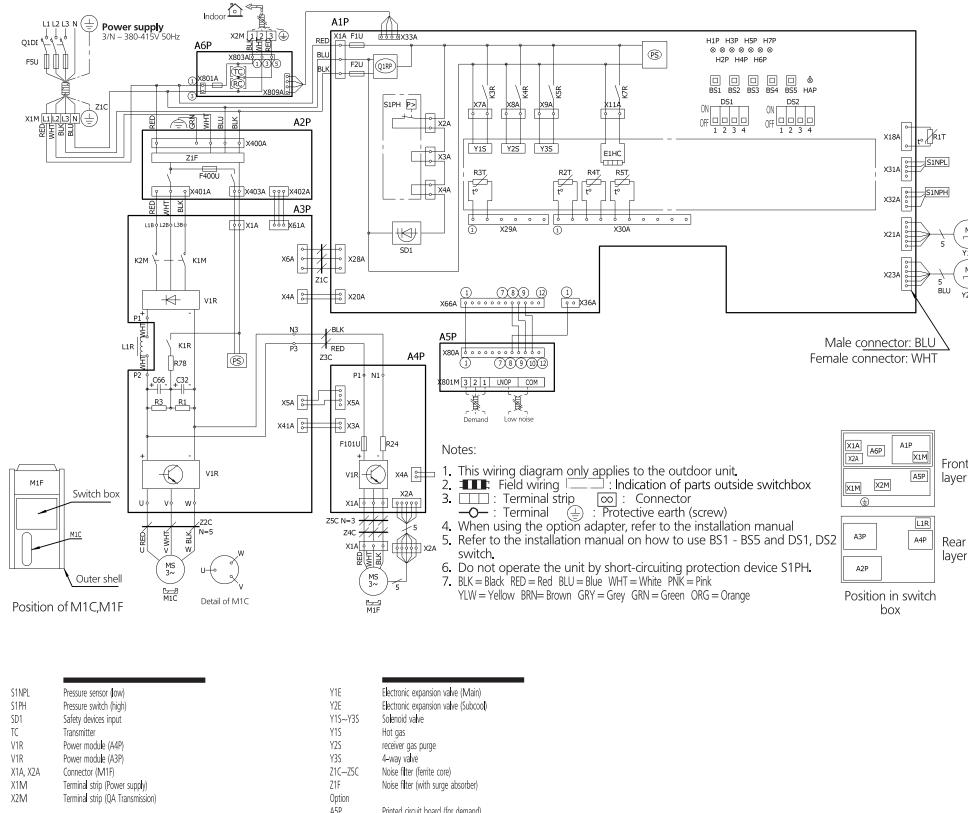
10 - 1 Wiring Diagrams - Three Phase

10

RZQ-C

A1P~ASP
A1P
A2P
A3P
A4P
A5P
BS1~BS5
C1
C3/C66
DS1/DS2
E1HC
F10U
F1U, F2U
F400U
H1P~H5P
HAP
K1R
K1M, K2M
K3R~K7R
K8R
K9R
K10R
L1R
M1C
M1F
P5
Q1BP
Q1D
R24
R1, R3
R7R
R1T~R5T
R1T
R2T
R3T
R4T
R5T
RC
S1NPH

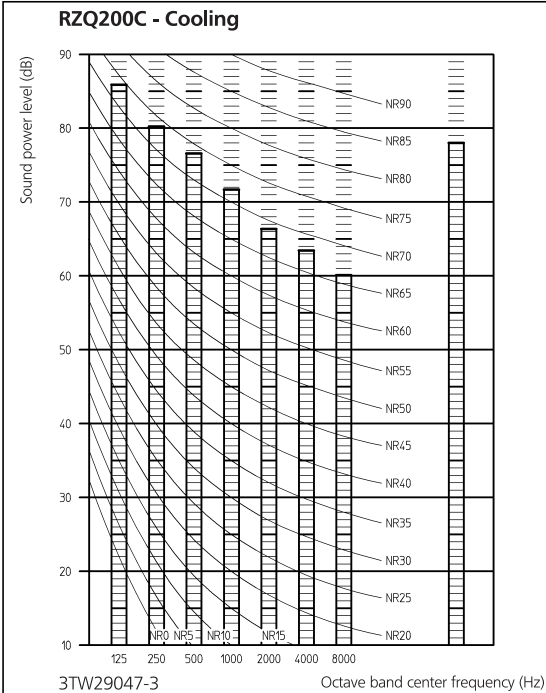
Printed circuit board
Main
Noise filter
Inverter
Fan
QA Transmission
Push button switch
(Mode, set, return, test, reset)
Capacitor
Capacitor
Dip switch
Crankcase heater
Fuse (A4P)
Fuse (250V, 3.15A) (A1P)
Fuse (250V, 6.3A) (A2P)
Pilot lamp (service monitor - orange)
Pilot lamp (service monitor - green)
Pilot lamp (service monitor - red)
Malfunction detector - Light up
Magnetic relay (M1C) (A3P)
Magnetic relay (M1C) (A3P)
Magnetic relay
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Y7S
Y8S
Y9S
Y10S
Y11S
Y12S
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2TW29046-1D

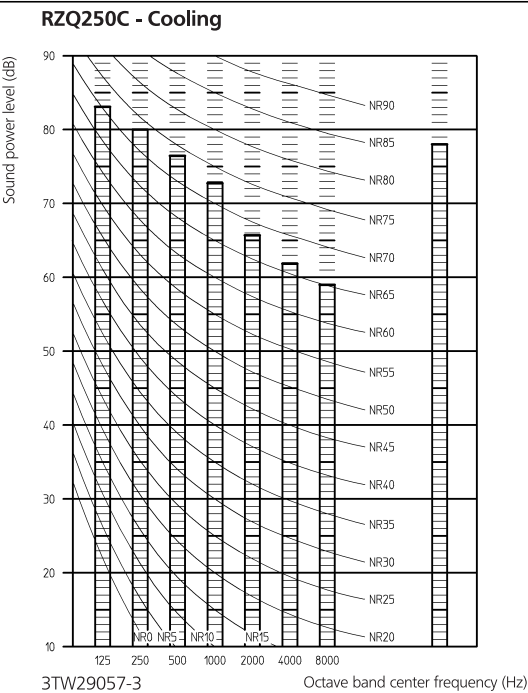
11 Sound data

11 - 1 Sound Power Spectrum



NOTES

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



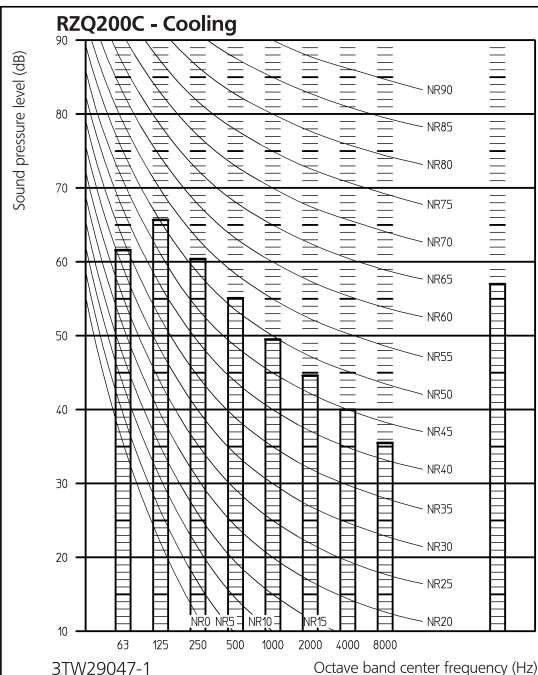
NOTES

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

11 Sound data

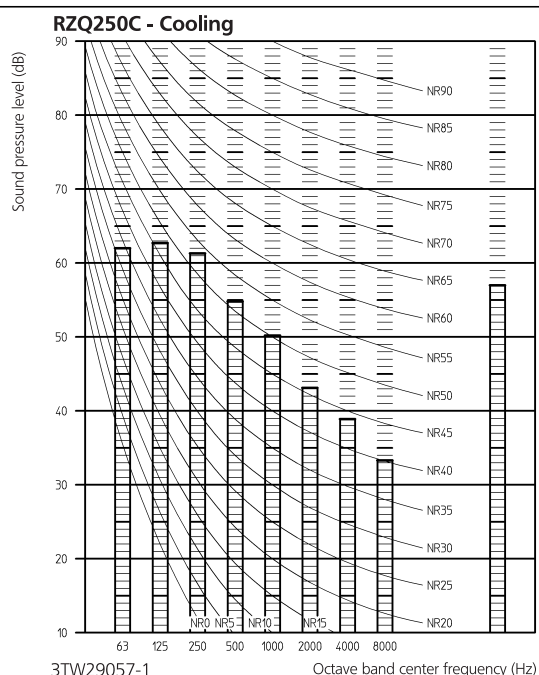
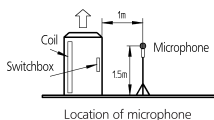
11 - 2 Sound Pressure Spectrum - Cooling

11



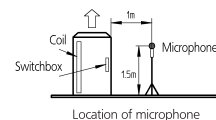
NOTES

- 1 Data is valid at free field condition (measured in a semi-anechoic room)
- 2 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 3 Reference acoustic pressure 0dB = 20Pa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.
- 5 Curve for RZQ200C7Y1B in cooling mode



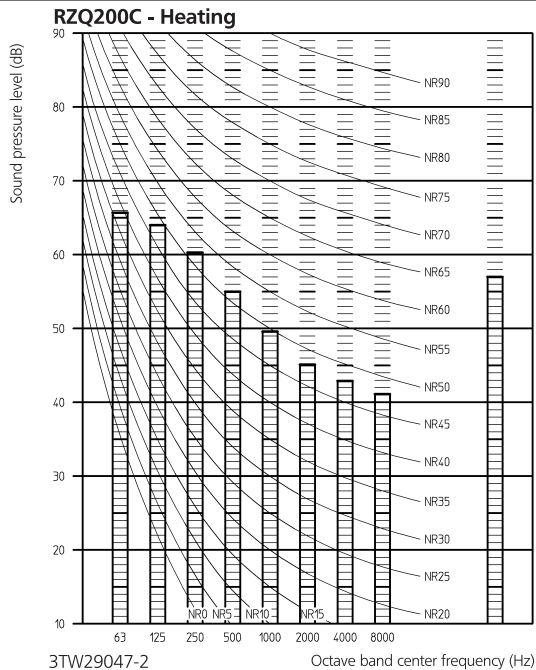
NOTES

- 1 Data is valid at free field condition (measured in a semi-anechoic room)
- 2 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 3 Reference acoustic pressure 0dB = 20Pa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.
- 5 Curve for RZQ200C7Y1B in cooling mode



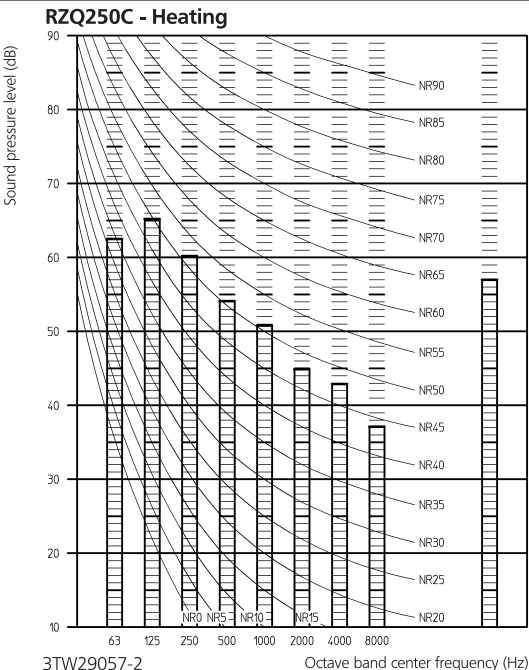
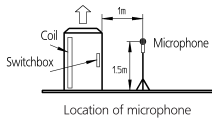
11 Sound data

11 - 3 Sound Pressure Spectrum - Heating



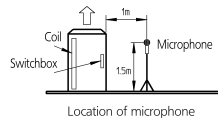
NOTES

- 1 Data is valid at free field condition (measured in a semi-anechoic room)
- 2 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 3 Reference acoustic pressure 0dB = 20Pa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.
- 5 Curve for RZQ200C7Y1B in heating mode



NOTES

- 1 Data is valid at free field condition (measured in a semi-anechoic room)
- 2 dB(A) = A-weighted sound pressure level (A-scale according to IEC)
- 3 Reference acoustic pressure 0dB = 20Pa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.
- 5 Curve for RZQ200C7Y1B in heating mode



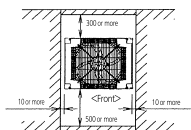
12 Installation

12 - 1 Installation Method

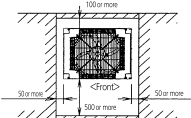
RZQ200-250C

For single unit installation

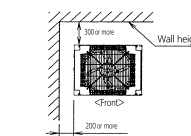
<Pattern 1>



<Pattern 2>

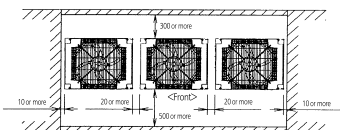


<Pattern 3>

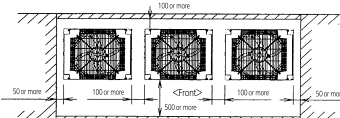


For installation in rows

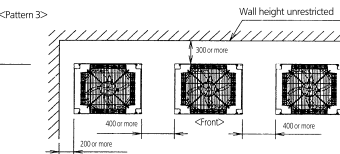
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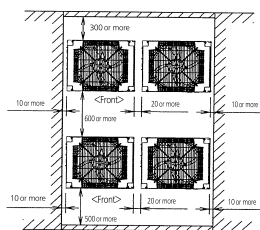


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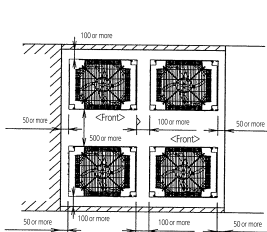
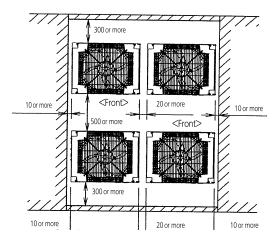
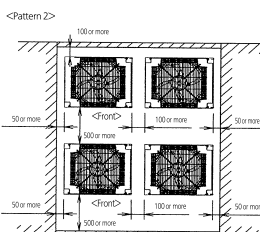


For centralized group layout

<Pattern 1>



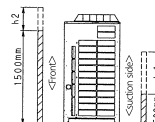
<Pattern 2>



<Unit: mm>

Notes:

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

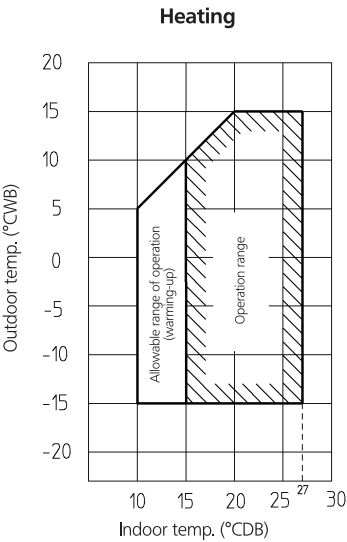
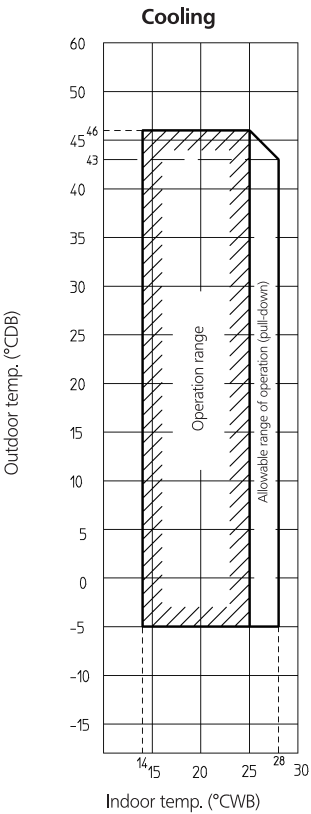


3TW29049-3

13 Operation range

13 - 1 Operation Range

RZQ200-250C



4TW26566-1

14 Appropriate Indoors

14 - 1 Appropriate Indoors

RZQ-C

Recommended indoor units for ·RZQ*C*· outdoor units

Class	200	250
	4xFCAG50	4xFCAG60
	4xFBA50	4xFBA60

For details about the allowed combinations, see the engineering databook.

Appropriate indoor units for ·RZQ*C*· outdoor units

Covered by ·ENER LOT21·

FDQ200-250

Covered by ·ENER LOT10·

FCAHG71-100-125

FCAG50-60-71-100-125

FFA50-60

FBA50-60-71-100-125

FHA50-60-71-100-125

FUA71-100-125

FAA71-100

FDA125

FVA71-100-125

FDXM50-60

FNA50-60

3D113980



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EEDEN19 11/19



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