

# technical data



**RZQ-B9V3B\_RZQ-B8W1B**

**Pair, Twin, Triple,  
Double Twin , Application,  
Inverter Controlled**

air conditioning systems

# Split Sky Air

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# 1 Features

- Outdoor units for pair, twin, triple, double twin application
- The Sky Air Inverter is developed for use in shops, restaurants and small offices. This innovative Daikin unit provides a more comfortable environment and offers great savings in energy consumption to shop and office owners.
- The use of inverter type outdoor units results in an air conditioning system with a high energy efficiency and very low sound level
- An inverter driven compressor allows the capacity to be adjusted precisely to match variations in room and outside temperatures.
- During start up, the room can be cooled down or heated very quickly. Once the temperature in the room has reached its set point, the low power operation starts to save energy.
- Daikin outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall.
- Outdoor units are fitted with either a swing or scroll compressor, renowned for low noise and high energy efficiency
- A special acryl precoated fin for anti-corrosion treatment on the heat exchanger ensures greater resistance against severe weather conditions



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## 2 Specifications

2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B
For combination indoor units + outdoor units	Indoor Units			FCQ71B8V3B	FCQ100B8V3B	FCQ100B8V3B	FCQ125B8V3B	FCQ125B8V3B	FCQ140DAV3B	FDQ200B8V3B	FDQ250B8V3B
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5	14.0	20	25
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0	18.0	23	27
Nominal input	Cooling	Standard	kW	2.16	2.64	2.64	3.88	3.88	4.65	6.43	8.31
	Heating	Standard	kW	2.56	3.14	3.14	4.36	4.36	4.52	8.31	8.85
For combination indoor units + outdoor units	EER	Cooling		3.29	3.79	3.79	3.22	3.22	3.01	3.11	3.01
	COP	Heating		3.13	3.57	3.57	3.21	3.21	3.54	3.05	3.05
	Energy Labeling Directive	Cooling		A	A	A	A	A	A		
		Heating		D	B	B	C	C	B		
	Annual energy consumption		kWh	1080	1320	1320	1940	1940	2325		
	Indoor Units			FBQ71B8V3B	FBQ100B8V3B	FBQ100B8V3B	FBQ125B8V3B	FBQ125B8V3B			
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5			
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0			
Nominal input	Cooling	Standard	kW	2.21	2.86	2.86	3.98	3.98			
	Heating	Standard	kW	2.09	3.00	3.00	3.99	3.99			
For combination indoor units + outdoor units	EER	Cooling		3.21	3.50	3.50	3.14	3.14			
	COP	Heating		3.83	3.73	3.73	3.51	3.51			
	Energy Labeling Directive	Cooling		A	A	A	B	B			
		Heating		A	A	A	B	B			
	Annual energy consumption		kWh	1105	1430	1430	1990	1990			
	Indoor Units			FHQ71BVV1B	FHQ100BVV1B	FHQ100BVV1B	FHQ125BVV1B	FHQ125BVV1B			
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5			
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0			
Nominal input	Cooling	Standard	kW	2.46	3.15	3.15	4.45	4.45			
	Heating	Standard	kW	2.67	3.60	3.60	4.50	4.50			
For combination indoor units + outdoor units	EER	Cooling		2.89	3.17	3.17	2.81	2.81			
	COP	Heating		3.00	3.11	3.11	3.11	3.11			
	Energy Labeling Directive	Cooling		C	B	B	C	C			
		Heating		D	D	D	D	D			
	Annual energy consumption		kWh	1230	1575	1575	2225	2225			
	Indoor Units			FUQ71BVV1B	FUQ100BVV1B	FUQ100BVV1B	FUQ125BVV1B	FUQ125BVV1B			
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5			
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0			
		Maximum	kW					14.0			
Nominal input	Cooling	Standard	kW	2.21	3.12	3.12	4.05	4.05			
	Heating	Standard	kW	2.34	3.28	3.28	4.36	4.36			
For combination indoor units + outdoor units	EER	Cooling		3.21	3.21	3.21	3.09	3.09			
	COP	Heating		3.42	3.41	3.41	3.21	3.21			
	Energy Labeling Directive	Cooling		A	A	A	B	B			
		Heating		B	B	B	C	C			
	Annual energy consumption		kWh	1105	1560	1560	2025	2025			
	Indoor Units			FAQ71BVV1B	FAQ100BVV1B	FAQ100BVV1B	FDQ125B8V3B	FDQ125B8V3B			
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5			
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0			
Nominal input	Cooling	Standard	kW	2.36	2.78	2.78	4.15	4.15			
	Heating	Standard	kW	2.42	3.39	3.39	3.69	3.69			

## 2 Specifications

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2-1 NOMINAL CAPACITY AND NOMINAL INPUT				RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B
For combination indoor units + outdoor units	EER	Cooling		3.01	3.60	3.60	3.01	3.01			
	COP	Heating		3.31	3.30	3.30	3.79	3.79			
	Energy Labeling Directive	Cooling		B	A	A	B	B			
		Heating		C	C	C	A	A			
	Annual energy consumption	kWh		1180	1390	1390	2075	2075			
Indoor Units			FCQ71DAV3B	FCQ100DAV3B	FCQ100DAV3B	FCQ125DAV3B	FCQ125DAV3B				
Capacity (Conditions specified in 1)	Cooling	Standard	kW	7.1	10.0	10.0	12.5	12.5			
	Heating	Standard	kW	8.0	11.2	11.2	14.0	14.0			
Nominal input	Cooling	Standard	kW	1.98	2.44	2.44	3.54	3.54			
	Heating	Standard	kW	1.97	2.56	2.56	3.59	3.59			
For combination indoor units + outdoor units	EER	Cooling		3.59	4.10	4.10	3.53	3.53			
	COP	Heating		4.06	4.38	4.38	3.90	3.90			
	Energy Labeling Directive	Cooling		A	A	A	A	A			
		Heating		A	A	A	A	A			
	Annual energy consumption	kWh		990	1220	1220	1770	1770			

2-2 TECHNICAL SPECIFICATIONS				RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B	
Casing	Colour			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Daikin White	Daikin White	
	Material			Painted galvanized steel plate								
Dimensions	Unit	Height	mm	770	1345	1345	1345	1345	1345	1600	1600	
		Width	mm	900	900	900	900	900	900	930	930	
		Depth	mm	320	320	320	320	320	320	320	765	765
	Packing	Height	mm	900	1475	1475	1475	1475	1475	1475	1753	1753
		Width	mm	980	980	980	980	980	980	980	1055	1055
		Depth	mm	420	420	420	420	420	420	420	860	860
Weight	Unit	kg		68	106	106	106	106	106	225	226	
	Packed Unit	kg		72	111	111	111	111	111	236	237	
Heat Exchanger	Dimensions	Length	mm	857	857	857	857	857	857	857	1640	1640
		Nr of Rows			2	2	2	2	2	2	2	2
		Fin Pitch	mm	1.40	1.40	1.40	1.40	1.40	1.40	1.40	2.00	2.00
		Nr of Passes			3	5	5	5	5	5	16	16
		Face Area	m <sup>2</sup>	0.641	1.131	1.131	1.131	1.131	1.131	1.131	1.948	1.948
	Nr of Stages			34	60	60	60	60	60	60	54	54
	Tube type			Hi-XSS(8)								
Fin	Type			WF fin	WF fin	WF fin	WF fin	WF fin	WF fin	WF fin	Non-symmetric waffle louvre	
	Treatment			Anti-corrosion treatment (PE)								
Fan	Type			Propeller								
	Discharge direction			Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Vertical
	Quantity			1	2	2	2	2	2	2	1	1
	Air Flow Rate (nominal at 230V)	Cooling	m <sup>3</sup> /min	54.50	103.0	103.0	99.0	99.0	99.0	99.0	175	175
		Heating	m <sup>3</sup> /min	48.10	101.0	101.0	100.0	100.0	100.0	100.0	175	175
	Max											60 Pa in high static pressure
	Motor	Quantity			1	2	2	2	2	2	1	1
Model				KFD-325-70-8A								
Position												Vertical
Motor	Speed (nominal)	Steps			8	8	8	8	8	8	8	8
		Cooling	rpm	818	789	789	782	782	782	782	760	760
		Heating	rpm	715	775	775	767	767	767	767	825	825
Fan	Motor	Output	W	70	70	70	70	70	70	750	750	

## 2 Specifications

2-2 TECHNICAL SPECIFICATIONS			RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B	
Compressor	Quantity		1	1	1	1	1	1	2	2	
	Motor	Model	2YC63BXD	JT100G-VD	JT1G-VDYR@T	JT100G-VD	JT1G-VDYR@T	JT1G-VDYR@T	Inverter	Inverter	
		Type	Hermetically sealed swing compressor	Hermetically sealed scroll compressor							
	Speed	rpm							900*6480	900*6480	
	Motor Output	W	1800	2200	2200	2200	2200	2200	2200	2200	
	Crankcase Heater	W		33	33	33	33	33	33	33	
	Model								ON-OFF	ON-OFF	
	Type								Hermetically sealed scroll compressor		
	Speed	rpm							2900	2900	
	Motor Output	W							4500	4500	
Crankcase Heater	W							33	33		
Operation Range	Cooling	Min	°CDB	-15.0	-15.0	-15.0	-15.0	-15.0	-15.0	-5.0	-5.0
		Max	°CDB	50.0	50.0	50.0	50.0	50.0	50.0	46.0	46.0
	Heating	Min	°CWB	-20.0	-20.0	-20.0	-20.0	-20.0	-20.0	-15.0	-15.0
		Max	°CWB	15.5	15.5	15.5	15.5	15.5	15.5	15.0	15.0
Sound Level (nominal)	Sound power		dBA						78	78	
	Sound pressure		dBA						57	57	
	Cooling	Sound Power	dBA	63.0	65.0	65.0	66.0	66.0	66.0		
		Sound Pressure	dBA	47.0	49.0	49.0	50.0	50.0	50.0		
	Heating	Sound Pressure	dBA	49.0	51.0	51.0	52.0	52.0	52.0		
Sound Level (Night quiet)	Sound Pressure		dBA	43.0	45.0	45.0	45.0	45.0	45.0		
Refrigerant	Type		R-410A								
	Charge	kg	2.80	4.30	4.30	4.30	4.30	4.30	8.00	9.00	
	Control		Expansion valve (electronic type)								
	Nr of Circuits		1	1	1	1	1	1	1	1	
Refrigerant Oil	Type		Daphne FVC50K	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	
	Charged Volume		l	0.8	1.0	1.0	1.0	1.0	1.0	1.7 + 1.6	1.7 + 1.6

## 2 Specifications

2-2 TECHNICAL SPECIFICATIONS			RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B	
Piping connections	Liquid (OD)	Quantity	1	1	1	1	1	1	1	1	
		Type	Flare connection								
		Diameter (OD) mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	12.7	
	Gas	Quantity	1	1	1	1	1	1	1	1	1
		Type	Flare connection	Flare connection	Flare connection	Flare connection	Flare connection	Flare connection	Flare connection	Braze connection	Braze connection
		Diameter (OD) mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9	22.2	22.2
	Drain	Quantity	3	3	3	3	3	3	3		
		Type	Hole	Hole	Hole	Hole	Hole	Hole	Hole		
		Diameter (OD) mm	26	26	26	26	26	26	26		
	Piping Length	Minimum	m	5	5	5	5	5	5	5	5
		Maximum	m	50	75	75	75	75	75	100	100
		Equivalent	m	70	95	95	95	95	95		
		Chargeless	m	30	30	30	30	30	30	30	30
	Additional Refrigerant Charge		kg/m	see installation manual 4PW21412-1						see installation manual	
Installation height difference	Maximum	m	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	
Max. internunit level difference		m	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Heat Insulation			Both liquid and gas pipes								
Defrost Method			Pressure equalising	Pressure equalising	Pressure equalising	Pressure equalising	Pressure equalising	Pressure equalising	Reversed cycle	Reversed cycle	
Defrost Control			Sensor for outdoor heat exchanger temperature								
Capacity Control Method			Inverter controlled								
Safety Devices			High pressure switch								
			Fan motor thermal protector								
			Fuse							Inverter overload protector	
										Overcurrent relay	
										PC board fuse	
Standard Accessories	Item	Installation manual									
	Quantity	1									
	Item	Tie-wraps							Additional refrigerant label		
	Quantity	2	2	2	2	2	2	1	1		
	Item								Connection pipes		
	Quantity								4	4	
Notes			Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m, level difference : 0m.								
			Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m, level difference : 0m								

2-3 ELECTRICAL SPECIFICATIONS			RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B
Power Supply	Name		V3	V3	W1B	V3	W1B	W1B	W1	W1
	Phase		1	1	3N	1	3N	3N	3N	3N
	Frequency	Hz	50	50	50	50	50	50	50	50
	Voltage	V	230	230	400	230	400	400	400	400
	Voltage range	Minimum	V	-10%						
		Maximum	V	+10%						
Current	Nominal running current (RLA)	Cooling (A)	A						Refer to electrical data indoor-outdoor combination	
		Heating (A)	A						Refer to electrical data indoor-outdoor combination	
	Starting current (cooling/heating)	A							Refer to electrical data indoor-outdoor combination	
	Maximum Running Current	A							Refer to electrical data indoor-outdoor combination	
	Recommended fuses	A	20	32	20	32	20	20	32	32

## 2 Specifications

2-3 ELECTRICAL SPECIFICATIONS			RZQ71B9V3B	RZQ100B9V3B	RZQ100B8W1B	RZQ125B9V3B	RZQ125B8W1B	RZQ140B8W1B	RZQ200B8W1B	RZQ250B8W1B
Wiring connections	For Power Supply	Quantity							5	5
		Remark	see installation manual 4PW21412-1						Earth wire included	
	For connection with indoor	Quantity							4	4
		Remark	see installation manual 4PW21412-1						Earth wire included	
Power Supply Intake			Outdoor unit only							
Notes			See separate drawings for electrical data							
					Power supply to the FDQ indoor unit is separate				Power supply to the FDQ indoor unit is separate	



### 3 Electrical data

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#### RZQ71-125B8V3

Unit combination		Power supply				Comp.		OFM		IFM			
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA	
FCQ71D	RZQ71B8V3	50-230	Max, 50Hz:253V Min, 50Hz:207V	16, 8	16, 8	20	16, 2	16, 2	0, 07	0, 3	0, 030	0, 3	
FCQ71B	RZQ71B8V3	50-230		17, 1	17, 1	20	16, 2	16, 2	0, 07	0, 3	0, 045	0, 6	
FCQ35Bx2	RZQ71B8V3	50-230		17, 7	17, 7	20	16, 2	16, 2	0, 07	0, 3	0, 045x2	0, 6x2	
FFQ35Bx2	RZQ71B8V3	50-230		17, 7	17, 7	20	16, 2	16, 2	0, 07	0, 3	0, 055x2	0, 6x2	
FBQ71B	RZQ71B8V3	50-230		17, 4	17, 4	20	16, 2	16, 2	0, 07	0, 3	0, 125	0, 9	
FBQ35Bx2	RZQ71B8V3	50-230		17, 5	17, 5	20	16, 2	16, 2	0, 07	0, 3	0, 065x2	0, 5x2	
FHQ71B	RZQ71B8V3	50-230		17, 1	17, 1	20	16, 2	16, 2	0, 07	0, 3	0, 062	0, 6	
FHQ35Bx2	RZQ71B8V3	50-230		17, 7	17, 7	20	16, 2	16, 2	0, 07	0, 3	0, 062x2	0, 6x2	
FAQ71B	RZQ71B8V3	50-230		16, 8	16, 8	20	16, 2	16, 2	0, 07	0, 3	0, 043	0, 3	
FUQ71B	RZQ71B8V3	50-230		17, 2	17, 2	20	16, 2	16, 2	0, 07	0, 3	0, 045	0, 7	
FCQ100D	RZQ100B8V3	50-230		Max, 50Hz:253V Min, 50Hz:207V	24, 7	24, 7	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 120	0, 7
FCQ100B	RZQ100B8V3	50-230			25, 0	25, 0	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 090	1, 0
FCQ50Bx2	RZQ100B8V3	50-230			25, 2	25, 2	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 6x2
FCQ35Bx3	RZQ100B8V3	50-230			25, 8	25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 045x3	0, 6x3
FFQ50Bx2	RZQ100B8V3	50-230	25, 4		25, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 055x2	0, 7x2	
FFQ35Bx3	RZQ100B8V3	50-230	25, 8		25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 055x3	0, 6x3	
FBQ100B	RZQ100B8V3	50-230	25, 0		25, 0	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 135	1, 0	
FBQ50Bx2	RZQ100B8V3	50-230	25, 4		25, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 085x2	0, 7x2	
FBQ35Bx3	RZQ100B8V3	50-230	25, 5		25, 5	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 065x3	0, 5x3	
FHQ100B	RZQ100B8V3	50-230	24, 7		24, 7	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 130	0, 7	
FHQ50Bx2	RZQ100B8V3	50-230	25, 2		25, 2	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 062x2	0, 6x2	
FHQ35Bx3	RZQ100B8V3	50-230	25, 8		25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 062x3	0, 6x3	
FAQ100B	RZQ100B8V3	50-230	24, 4		24, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 049	0, 4	
FUQ100B	RZQ100B8V3	50-230	25, 1		25, 1	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 090	1, 1	
FCQ125D	RZQ125B8V3	50-230	Max, 50Hz:253V Min, 50Hz:207V	24, 7	24, 7	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 120	0, 7	
FCQ125B	RZQ125B8V3	50-230		25, 0	25, 0	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 090	1, 0	
FCQ60Bx2	RZQ125B8V3	50-230		25, 2	25, 2	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 6x2	
FCQ50Bx3	RZQ125B8V3	50-230		25, 8	25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 045x3	0, 6x3	
FCQ35Bx4	RZQ125B8V3	50-230		26, 4	26, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 045x4	0, 6x4	
FFQ60Bx2	RZQ125B8V3	50-230		25, 4	25, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 055x2	0, 7x2	
FFQ50Bx3	RZQ125B8V3	50-230		26, 1	26, 1	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 055x3	0, 7x3	
FFQ35Bx4	RZQ125B8V3	50-230		26, 4	26, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 055x4	0, 6x4	
FBQ125B	RZQ125B8V3	50-230		25, 4	25, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 225	1, 4	
FBQ60Bx2	RZQ125B8V3	50-230		25, 8	25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 125x2	0, 9x2	
FBQ50Bx3	RZQ125B8V3	50-230		26, 1	26, 1	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 085x3	0, 7x3	
FBQ35Bx4	RZQ125B8V3	50-230		26, 0	26, 0	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 065x4	0, 5x4	
FHQ125B	RZQ125B8V3	50-230		24, 7	24, 7	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 130	0, 7	
FHQ60Bx2	RZQ125B8V3	50-230		25, 2	25, 2	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 062x2	0, 6x2	
FHQ50Bx3	RZQ125B8V3	50-230	25, 8	25, 8	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 062x3	0, 6x3		
FHQ35Bx4	RZQ125B8V3	50-230	26, 4	26, 4	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 062x4	0, 6x4		
FUQ125B	RZQ125B8V3	50-230	25, 1	25, 1	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 090	1, 1		
FDQ125B	RZQ125B8V3	50-230	28, 2	28, 2	32	23, 4	23, 4	0, 07+0, 07	0, 3+0, 3	0, 500	4, 2		

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#### SYMBOLS

MCA	: Min. Circuit Amps (A)
TOCA	: Total Over Current Amps (A)
MFA	: Max. Fuse Amps (See note 7) (A)
MSC	: MSC means the max. current during the starting of 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 conditions:  
Power supply: 50Hz 230V  
Cooling  
Indoor temperature 27°CDB/19°CWB  
Outdoor temperature 35°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 operation range limits
- 4 Maximum allowable voltage unbalance 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)
- 8 For more details concerning conditional connections, see <http://extranet.daikin-europe.com>, select "E-Data Books". Finally, click on the document title of your choice.

### 3 Electrical data

#### RZQ100-125-140BW1

Unit combination		Hz-volts	Power supply			Comp.		OFM		IFM		
Indoor unit	Outdoor unit		Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQ100D	RZQ100BW1	50-400		14, 2	14, 2	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 120	0, 7
FCQ100B	RZQ100BW1	50-400		14, 5	14, 5	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 090	1, 0
FCQ50Bx2	RZQ100BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 6x2
FCQ35Bx3	RZQ100BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x3	0, 6x3
FFQ50Bx2	RZQ100BW1	50-400		14, 9	14, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x2	0, 7x2
FFQ35Bx3	RZQ100BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x3	0, 6x3
FBQ100B	RZQ100BW1	50-400		14, 5	14, 5	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 135	1, 0
FBQ50Bx2	RZQ100BW1	50-400		14, 9	14, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 085x2	0, 7x2
FBQ35Bx3	RZQ100BW1	50-400		15, 0	15, 0	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 065x3	0, 5x3
FHQ100B	RZQ100BW1	50-400		14, 2	14, 2	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 130	0, 7
FHQ50Bx2	RZQ100BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x2	0, 6x2
FHQ35Bx3	RZQ100BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x3	0, 6x3
FAQ100B	RZQ100BW1	50-400		13, 9	13, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 049	0, 4
FUQ100B	RZQ100BW1	50-400		14, 6	14, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 090	1, 1
FCQ125D	RZQ125BW1	50-400		14, 2	14, 2	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 120	0, 7
FCQ125B	RZQ125BW1	50-400		14, 5	14, 5	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 090	1, 0
FCQ60Bx2	RZQ125BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 6x2
FCQ50Bx3	RZQ125BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x3	0, 6x3
FCQ35Bx4	RZQ125BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x4	0, 6x4
FFQ60Bx2	RZQ125BW1	50-400		14, 9	14, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x2	0, 7x2
FFQ50Bx3	RZQ125BW1	50-400		15, 6	15, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x3	0, 7x3
FFQ35Bx4	RZQ125BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x4	0, 6x4
FBQ125B	RZQ125BW1	50-400		14, 9	14, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 225	1, 4
FBQ60Bx2	RZQ125BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 125x2	0, 9x2
FBQ50Bx3	RZQ125BW1	50-400		15, 6	15, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 085x3	0, 7x3
FBQ35Bx4	RZQ125BW1	50-400		15, 5	15, 5	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 065x4	0, 5x4
FHQ125B	RZQ125BW1	50-400		14, 2	14, 2	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 130	0, 7
FHQ60Bx2	RZQ125BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x2	0, 6x2
FHQ50Bx3	RZQ125BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x3	0, 6x3
FHQ35Bx4	RZQ125BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x4	0, 6x4
FUQ125B	RZQ125BW1	50-400		14, 6	14, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 090	1, 1
FDQ125B	RZQ125BW1	50-400		17, 7	17, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 500	4, 2
FCQ140D	RZQ140BW1	50-400		14, 2	14, 2	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 120	0, 7
FCQ71Bx2	RZQ140BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 6x2
FCQ50Bx3	RZQ140BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x3	0, 6x3
FCQ35Bx4	RZQ140BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x4	0, 6x4
FFQ50Bx3	RZQ140BW1	50-400		15, 6	15, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x3	0, 7x3
FFQ35Bx4	RZQ140BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 055x4	0, 6x4
FBQ71Bx2	RZQ140BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 125x2	0, 9x2
FBQ50Bx3	RZQ140BW1	50-400		15, 6	15, 6	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 085x3	0, 7x3
FBQ35Bx4	RZQ140BW1	50-400		15, 5	15, 5	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 065x4	0, 5x4
FHQ71Bx2	RZQ140BW1	50-400		14, 7	14, 7	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x2	0, 6x2
FHQ50Bx3	RZQ140BW1	50-400		15, 3	15, 3	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x3	0, 6x3
FHQ35Bx4	RZQ140BW1	50-400		15, 9	15, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 062x4	0, 6x4
FAQ71Bx2	RZQ140BW1	50-400		14, 1	14, 1	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 043x2	0, 3x2
FUQ71Bx2	RZQ140BW1	50-400		14, 9	14, 9	20	12, 9	12, 9	0, 07+0, 07	0, 3+0, 3	0, 045x2	0, 7x2

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#### SYMBOLS

- MCA : Min. Circuit Amps (A)
- TOCA : Total Over Current Amps (A)
- MFA : Max. Fuse Amps (See note 7) (A)
- MSC : MSC means the max. current during the starting of 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 conditions:  
Power supply: 50Hz 230V  
Cooling Indoor temperature 27°CDB/19°CWB Outdoor temperature 35°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 operation range limits
- 4 Maximum allowable voltage unbalance 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)
- 8 For more details concerning conditional connections, see <http://extranet.daikin-europe.com>, select "E-Data Books". Finally, click on the document title of your choice.

### 3 Electrical data

#### RZQ200-250B

Unit combination		Power supply					Comp.		OFM		IFM		
Indoor unit	Outdoor unit	Hz-volts	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCQ50Bx 4	RZQ200BW1	50 - 400	Max. 50Hz 440V Min. 50Hz 360V	21.9	29.8	32	71	8.8	0.75	0.7	0.045 x 4	0.6 x 4	
FCQ60Bx 3	RZQ200BW1	50 - 400		21.3	29.8	32	71	8.8	0.75	0.7	0.045 x 3	0.6 x 3	
FCQ71Bx 3	RZQ200BW1	50 - 400		21.3	29.8	32	71	8.8	0.75	0.7	0.045 x 3	0.6 x 3	
FCQ100Bx 2	RZQ200BW1	50 - 400		21.5	29.8	32	71	8.8	0.75	0.7	0.090 x 2	1.0 x 2	
FFQ50Bx 4	RZQ200BW1	50 - 400		22.3	29.8	32	71	8.8	0.75	0.7	0.055 x 4	0.7 x 4	
FFQ60Bx 3	RZQ200BW1	50 - 400		21.6	29.8	32	71	8.8	0.75	0.7	0.055 x 3	0.7 x 3	
FBQ50Bx 4	RZQ200BW1	50 - 400		22.3	29.8	32	71	8.8	0.75	0.7	0.085 x 4	0.7 x 4	
FBQ60Bx 3	RZQ200BW1	50 - 400		22.2	29.8	32	71	8.8	0.75	0.7	0.125 x 3	0.9 x 3	
FBQ71Bx 3	RZQ200BW1	50 - 400		22.2	29.8	32	71	8.8	0.75	0.7	0.125 x 3	0.9 x 3	
FBQ100Bx 2	RZQ200BW1	50 - 400		21.5	29.8	32	71	8.8	0.75	0.7	0.135 x 2	1.0 x 2	
FHQ50Bx 4	RZQ200BW1	50 - 400		21.9	29.8	32	71	8.8	0.75	0.7	0.062 x 4	0.6 x 4	
FHQ60Bx 3	RZQ200BW1	50 - 400		21.3	29.8	32	71	8.8	0.75	0.7	0.062 x 3	0.6 x 3	
FHQ71Bx 3	RZQ200BW1	50 - 400		21.3	29.8	32	71	8.8	0.75	0.7	0.062 x 3	0.6 x 3	
FHQ100Bx 2	RZQ200BW1	50 - 400		20.9	29.8	32	71	8.8	0.75	0.7	0.130 x 2	0.7 x 2	
FUQ71Bx 3	RZQ200BW1	50 - 400		21.6	29.8	32	71	8.8	0.75	0.7	0.045 x 3	0.7 x 3	
FUQ100Bx 2	RZQ200BW1	50 - 400		21.7	29.8	32	71	8.8	0.75	0.7	0.090 x 2	1.1 x 2	
FAQ71Bx 3	RZQ200BW1	50 - 400		20.4	29.8	32	71	8.8	0.75	0.7	0.043 x 3	0.3 x 3	
FAQ100Bx 2	RZQ200BW1	50 - 400		20.3	29.8	32	71	8.8	0.75	0.7	0.049 x 2	0.4 x 2	
FDQ200B	RZQ200BW1	50 - 400		19.5	29.8	32	71	8.8	0.75	0.7	0.650	6.8	
FCQ60Bx 4	RZQ250BW1	50 - 400		Max. 50Hz 440V Min. 50Hz 360V	24.8	29.8	32	71	11.8	0.75	0.7	0.045 x 4	0.6 x 4
FCQ125Bx 2	RZQ250BW1	50 - 400	24.4		29.8	32	71	11.8	0.75	0.7	0.090 x 2	1.0 x 2	
FFQ60Bx 4	RZQ250BW1	50 - 400	25.2		29.8	32	71	11.8	0.75	0.7	0.055 x 4	0.7 x 4	
FBQ60Bx 4	RZQ250BW1	50 - 400	26.0		29.8	32	71	11.8	0.75	0.7	0.125 x 4	0.9 x 4	
FBQ125Bx 2	RZQ250BW1	50 - 400	25.2		29.8	32	71	11.8	0.75	0.7	0.225 x 2	1.4 x 2	
FHQ60Bx 4	RZQ250BW1	50 - 400	24.8		29.8	32	71	11.8	0.75	0.7	0.062 x 4	0.6 x 4	
FHQ125Bx 2	RZQ250BW1	50 - 400	23.8		29.8	32	71	11.8	0.75	0.7	0.130 x 2	0.7 x 2	
FUQ125Bx 2	RZQ250BW1	50 - 400	24.6		29.8	32	71	11.8	0.75	0.7	0.090 x 2	1.1 x 2	
FDQ125Bx 2	RZQ250BW1	50 - 400	22.4		29.8	32	71	11.8	0.75	0.7	0.500 x 2	4.2 x 2	
FDQ250B	RZQ250BW1	50 - 400	22.4		29.8	32	71	11.8	0.75	0.7	1.000	7.6	

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#### SYMBOLS

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

#### NOTES

- 1 RLA is based on the following conditions:  
Power supply: 50Hz - 400V  
Cooling Indoor temperature 27°CDB/19°CWB Outdoor temperature 35°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 operation range limits
- 4 Maximum allowable voltage unbalance 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)
- 8 For more details concerning conditional connections, see <http://extranet.daikineurope.com>, select "E-Data Books". Finally, click on the document title of your choice.

## 4 Options

### Available option for RZQ71-125B8V3 and RZQ100-140BW1

Name of option	Kit name			
	RZQ71B8V3	RZQ100B8V3	RZQ125B8V3	
		RZQ100BW1	RZQ125BW1	RZQ140BW1
Central drain plug	KKPJ5F180			
Refrigerant branch piping	Twin	KHRQ22M20TA		
	Triple	-	KHRQ127H	
	Double twin	-	-	KHRQ22M20TA (3x)
Demand adapter kit	KRP58M51			

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### Available options for RZQ200,250BW

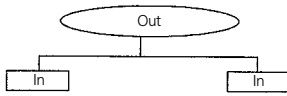
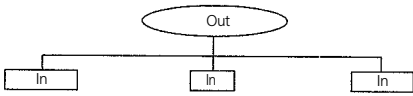
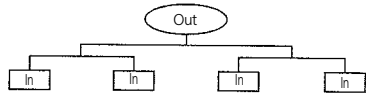
Name of option	Kit name	
	RZQ200BW	RZQ250BW
Central drain pan kit	KWC26B280	
Refrigerant branch piping	Twin	KHRQ22M20TA
	Triple	KHRQ250H7
	Double twin	KHRQ22M20TA (3x)

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## 5 Capacity tables

### 5 - 1 Combination table

Possible combinations and standard capacity for twin, triple and double twin application

Outdoor models	Possible indoor combination		
	Simultaneous operation		
	Twin	Triple	Double twin
			
RZQ71B8V3	35-35 (KHRQ22M20TA7)		
RZQ100B8V3 RZQ100BW1	50-50 (KHRQ22M20TA7)	35-35-35 (KHRQ127H7)	
RZQ125B8V3 RZQ125BW1	60-60 (KHRQ22M20TA7)	50-50-50 (KHRQ127H7)	35-35-35-35 (3x KHRQ22M20TA7)
RZQ140BW1	71-71 (KHRQ22M20TA7)	50-50-50 (KHRQ127H7)	35-35-35-35 (3x KHRQ22M20TA7)

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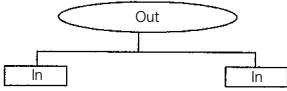
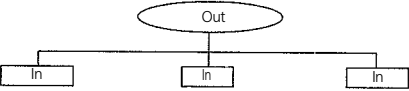
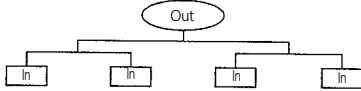
#### NOTES

- Possible indoor units: FCQ35-71, FFQ35-60, FHQ35-71, FBQ35-71, FUQ71, FAQ71
- Individual indoor capacities are not given because the combinations are for simultaneous operation (=indoor units installed in same room).
- When different indoor models are used in combination, designate the infrared remote control that is equipped with the most functions as the main unit.  
In note 1 are the indoor units mentioned in order of the possible function (most functions are on FCQ, less functions are on FAQ).
- Between brackets are the required Refnet kits mentioned, that are necessary to install the combination.

## 5 Capacity tables

### 5 - 1 Combination table

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

Outdoor models	Possible indoor combination		
	Simultaneous operation		
	Twin	Triple	Double twin
			
RZQ200BW1	100-100 (KHRQ22M20TA7)	60-60-60 71-71-71 (KHRQ250H7)	50-50-50-50 (3x KHRQ22M20TA7)
RZQ250BW1	125-125 (KHRQ22M20TA7)	---	60-60-60-60 (3x KHRQ22M20TA7)

3TW26569-2

#### NOTES

- 1 Possible indoor units: FCQ50-125, FFQ50-60, FHQ50-125, FBQ50-125, FAQ71-100, FUQ71-125, FDQ125
- 2 Individual indoor capacities are not given because the combinations are for simultaneous operation (⇒indoor units installed in same room).
- 3 When different indoor models are used in combination, designate the infrared remote controller that is equipped with the most functions as the main unit.  
In note 1 are the indoor units mentioned in order of the possible function (most functions are on FCQ, less functions are on FAQ).
- 4 Between brackets are the required Refnet kits mentioned, that are necessary to install the combination.

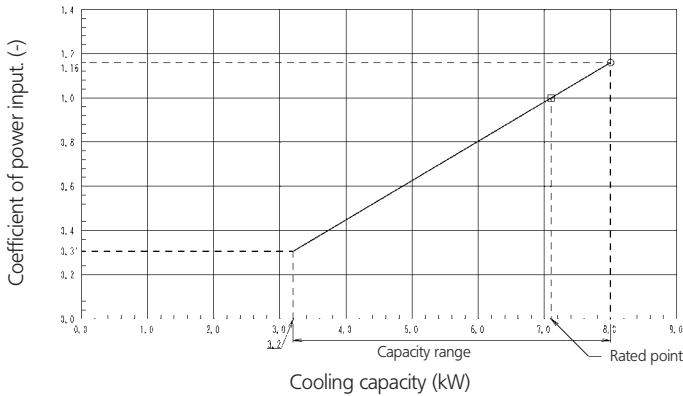
# 5 Capacity tables

## 5 - 2 Cooling capacity tables

5

### RZQ71B8V3 (Pair + Multi)

#### Cooling



#### Cooling capacity

230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	6.47	4.39	0.76	6.46	4.43	0.89	6.66	4.62	0.99	6.39	4.49	1.09
18.0	25	7.43	4.82	0.83	7.20	4.72	0.91	6.95	4.61	1.00	6.67	4.47	1.10
19.0	27	7.58	4.80	0.84	7.35	4.71	0.91	7.10	4.60	1.00	6.82	4.46	1.10
19.5	27	7.66	4.79	0.84	7.43	4.70	0.91	7.17	4.59	1.00	6.89	4.46	1.10
22.0	30	8.05	4.73	0.85	7.81	4.64	0.92	7.55	4.54	1.01	7.26	4.41	1.11
24.0	32	8.37	4.66	0.85	8.12	4.58	0.93	7.85	4.48	1.02	7.55	4.35	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input.  
However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ71D	FCQ71B	FBQ71	FHQ71	FAQ71	FUQ71
AFR	19	18	19	17	19	19
(BF)	(0.10)	(0.10)	(0.11)	(0.10)	(0.08)	(0.07)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ71D	FCQ71B	FBQ71	FHQ71	FAQ71	FUQ71
Cooling	1.98	2.16	2.21	2.46	2.36	2.21
Heating	1.97	2.56	2.09	2.67	2.42	2.34

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Multi

Model	FCQ35Bx2	FFQ35x2	FBQ35x2	FHQ35x2
AFR	14x2	10x2	11.5x2	13x2
(BF)	(0.16x2)	(0.25x2)	(0.15x2)	(0.2x2)

Multi

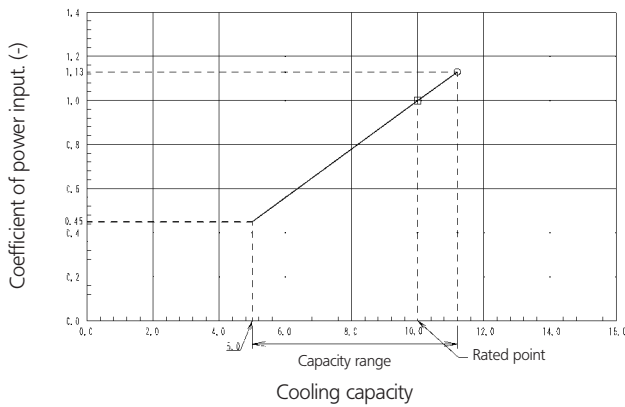
Model	FCQ35Bx2	FFQ35x2	FBQ35x2	FHQ35x2
Cooling	2.27	2.29	2.25	2.53
Heating	2.69	2.64	2.20	2.81

# 5 Capacity tables

## 5 - 2 Cooling capacity tables

### RZQ100B8V3 (Pair + Twin/triple)

#### Cooling



#### Cooling capacity

#### 230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	9.12	6.19	0.76	9.10	6.25	0.89	9.38	6.51	0.99	9.00	6.32	1.09
18.0	25	10.5	6.78	0.83	10.1	6.65	0.91	9.79	6.49	1.00	9.40	6.30	1.10
19.0	27	10.7	6.76	0.84	10.4	6.63	0.91	10.0	6.48	1.00	9.60	6.29	1.10
19.5	27	10.8	6.75	0.84	10.5	6.62	0.91	10.1	6.47	1.00	9.71	6.28	1.10
22.0	30	11.3	6.66	0.85	11.0	6.54	0.92	10.6	6.39	1.01	10.2	6.21	1.11
24.0	32	11.8	6.57	0.85	11.4	6.45	0.93	11.1	6.30	1.02	10.6	6.13	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
AFR	30	28	27	24	23	29
(BF)	(0.11)	(0.16)	(0.20)	(0.14)	(0.10)	(0.07)

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
AFR	14x3	10x3	11.5x3	13x3
(BF)	(0.16x3)	(0.25x3)	(0.15x3)	(0.2x3)

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
AFR	15x2	12x2	14x2	13x2
(BF)	(0.16x2)	(0.16x2)	(0.15x2)	(0.1x2)

10. Rated power input of each model is tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
Cooling	2.44	2.64	2.86	3.15	2.78	3.12
Heating	2.56	3.14	3.00	3.60	3.39	3.28

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79



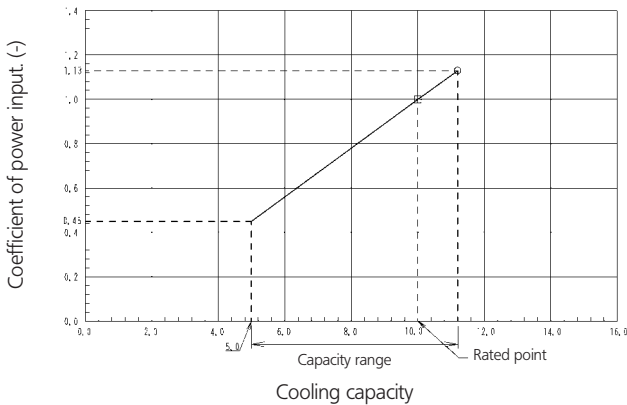
# 5 Capacity tables

## 5 - 2 Cooling capacity tables

5

### RZQ100BW1 (Pair + Twin/triple)

#### Cooling



#### Cooling capacity

400V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	9.12	6.19	0.76	9.10	6.25	0.89	9.38	6.51	0.99	9.00	6.32	1.09
18.0	25	10.5	6.78	0.83	10.1	6.65	0.91	9.79	6.49	1.00	9.40	6.30	1.10
19.0	27	10.7	6.76	0.84	10.4	6.63	0.91	10.0	6.48	1.00	9.60	6.29	1.10
19.5	27	10.8	6.75	0.84	10.5	6.62	0.91	10.1	6.47	1.00	9.71	6.28	1.10
22.0	30	11.3	6.66	0.85	11.0	6.54	0.92	10.6	6.39	1.01	10.2	6.21	1.11
24.0	32	11.8	6.57	0.85	11.4	6.45	0.93	11.1	6.30	1.02	10.6	6.13	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
AFR	30	28	27	24	23	29
(BF)	(0.11)	(0.16)	(0.20)	(0.14)	(0.10)	(0.07)

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
AFR	15x2	12x2	14x2	13x2
(BF)	(0.16x2)	(0.16x2)	(0.15x2)	(0.1x2)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
Cooling	2.44	2.64	2.86	3.15	2.78	3.12
Heating	2.56	3.14	3.00	3.60	3.39	3.28

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
AFR	14x3	10x3	11.5x3	13x3
(BF)	(0.16x3)	(0.25x3)	(0.15x3)	(0.2x3)

Triple

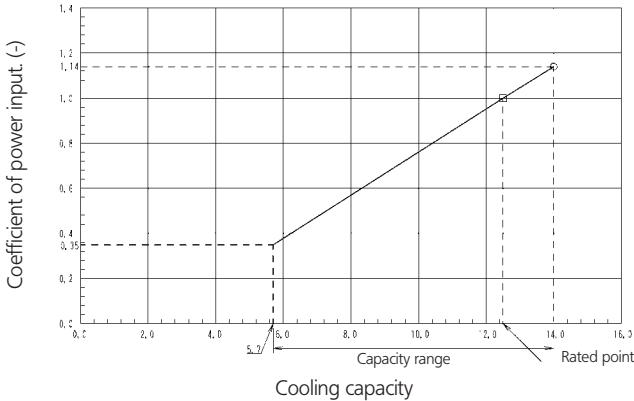
Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

# 5 Capacity tables

## 5 - 2 Cooling capacity tables

### RZQ125B8V3 (Pair + Twin / triple / double twin)

#### Cooling



#### Cooling capacity

#### 230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	11.4	7.73	0.76	11.4	7.81	0.89	11.7	8.14	0.99	11.3	7.90	1.09
18.0	25	13.1	8.48	0.83	12.7	8.32	0.91	12.2	8.12	1.00	11.8	7.88	1.10
19.0	27	13.3	8.45	0.84	12.9	8.29	0.91	12.5	8.09	1.00	12.0	7.86	1.10
19.5	27	13.5	8.44	0.84	13.1	8.28	0.91	12.6	8.08	1.00	12.1	7.85	1.10
22.0	30	14.2	8.33	0.85	13.8	8.18	0.92	13.3	7.99	1.01	12.8	7.76	1.11
24.0	32	14.7	8.21	0.85	14.3	8.06	0.93	13.8	7.88	1.02	13.3	7.67	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
AFR	30	31	35	30	32	45
(BF)	(0.13)	(0.07)	(0.14)	(0.13)	(0.07)	(0.25)

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
AFR	18x2	15x2	19x2	17x2
(BF)	(0.1x2)	(0.11x2)	(0.11x2)	(0.2x2)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
Cooling	3.54	3.88	3.98	4.45	4.05	4.15
Heating	3.59	4.36	3.99	4.50	4.36	3.69

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ35x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

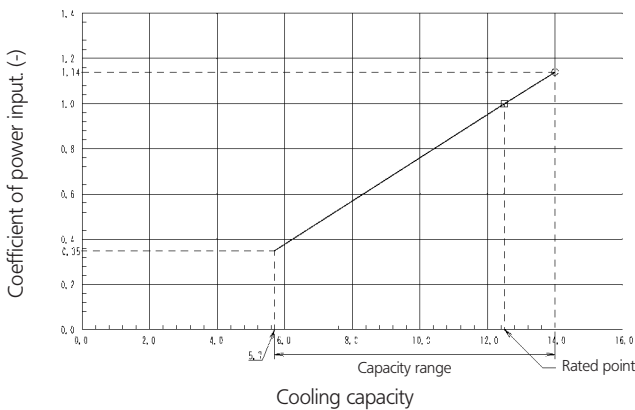
# 5 Capacity tables

## 5 - 2 Cooling capacity tables

5

### RZQ125BW1 (Pair + Twin / triple / double twin)

#### Cooling



#### Cooling capacity

230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	11.4	7.73	0.76	11.4	7.81	0.89	11.7	8.14	0.99	11.3	7.90	1.09
18.0	25	13.1	8.48	0.83	12.7	8.32	0.91	12.2	8.12	1.00	11.8	7.88	1.10
19.0	27	13.3	8.45	0.84	12.9	8.29	0.91	12.5	8.09	1.00	12.0	7.86	1.10
19.5	27	13.5	8.44	0.84	13.1	8.28	0.91	12.6	8.08	1.00	12.1	7.85	1.10
22.0	30	14.2	8.33	0.85	13.8	8.18	0.92	13.3	7.99	1.01	12.8	7.76	1.11
24.0	32	14.7	8.21	0.85	14.3	8.06	0.93	13.8	7.88	1.02	13.3	7.67	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH, however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
AFR	30	31	35	30	32	45
(BF)	(0.13)	(0.07)	(0.14)	(0.13)	(0.07)	(0.25)

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
AFR	18x2	15x2	19x2	17x2
(BF)	(0.1x2)	(0.11x2)	(0.11x2)	(0.2x2)

10. Rated power input of each model is tabulated below.

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
Cooling	3.54	3.88	3.98	4.45	4.05	4.15
Heating	3.59	4.36	3.99	4.50	4.36	3.69

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ35x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Double twin

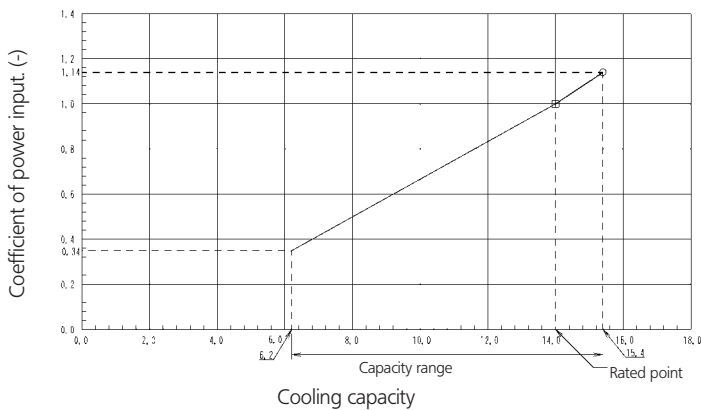
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

# 5 Capacity tables

## 5 - 2 Cooling capacity tables

### RZQ140BW1 (Pair + Twin / triple / double twin)

#### Cooling



#### Cooling capacity 400V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB (°C)	EDB (°C)	25			30			35			40		
		TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	12.8	8.66	0.76	12.7	8.74	0.89	13.1	9.12	0.99	12.6	8.84	1.09
18.0	25	14.6	9.50	0.83	14.2	9.31	0.91	13.7	9.09	1.00	13.2	8.82	1.10
19.0	27	15.0	9.47	0.84	14.5	9.29	0.91	14.0	9.07	1.00	13.4	8.80	1.10
19.5	27	15.1	9.45	0.84	14.7	9.27	0.91	14.1	9.05	1.00	13.6	8.79	1.10
22.0	30	15.9	9.33	0.85	15.4	9.16	0.92	14.9	8.95	1.01	14.3	8.69	1.11
24.0	32	16.5	9.20	0.85	16.0	9.03	0.93	15.5	8.83	1.02	14.9	8.59	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (DB\* - EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ140D
AFR	30
(BF)	(0.07)

Twin

Model	FCQ71Bx2	FBQ71x2	FHQ71x2	FUQ71x2	FAQ71x2
AFR	18x2	19x2	17x2	19x2	19x2
(BF)	(0.1x2)	(0.11x2)	(0.1x2)	(0.07x2)	(0.08x2)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ140D
Cooling	4.65
Heating	4.52

Twin

Model	FCQ71Bx2	FBQ71x2	FHQ71x2	FUQ71x2	FAQ71x2
Cooling	4.81	4.95	4.99	4.99	4.92
Heating	5.52	5.06	5.69	5.05	5.22

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.81	4.86	4.95	4.99
Heating	5.52	5.11	5.06	5.69

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.81	4.86	4.95	4.99
Heating	5.52	5.11	5.06	5.69

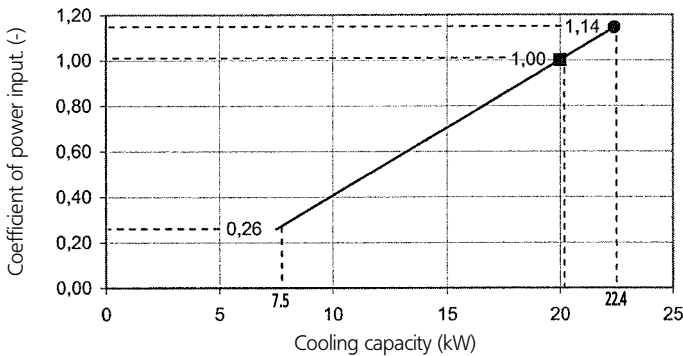
# 5 Capacity tables

## 5 - 2 Cooling capacity tables

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### RZQ200BW1 (Pair / Twin / Triple / Double twin)

#### Cooling



#### Cooling capacity

400V [50Hz]

Indoor	Outdoor temperature (°CDB)											
	25			30			35			40		
°CWB	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16	20.2	17.0	0.82	19.4	16.3	0.90	18.6	15.5	0.98	17.7	14.8	1.06
18	21.3	17.1	0.83	20.4	16.4	0.91	19.5	15.7	0.99	18.6	14.9	1.07
19	21.8	17.1	0.84	20.9	16.4	0.92	20.0	15.6	1.00	19.1	14.9	1.08
20	22.3	17.1	0.84	21.4	16.4	0.92	20.5	15.6	1.01	19.6	14.9	1.09
22	23.4	17.0	0.85	22.4	16.3	0.94	21.4	15.6	1.02	20.5	14.9	1.10
24	24.4	16.8	0.86	23.4	16.1	0.95	22.4	15.4	1.03	21.4	14.7	1.12

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark with ● show the max. total capacity at standard conditions.  
On the figure the mark with ■ show rated capacity and rated coefficient of power input. However, only rated capacity & CPI are guaranteed (maximal values NOT).
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- Rated values are guaranteed. Other values are accurate within an error of 5%.
- Heating capacity includes capacity drop due to defrost operation.
- Air flow rate and BF are tabulated below.

#### Pair

Model	FDQ200
AFR	69
(BF)	0.31

#### Twin

Model	FCQ100x2	FBQ100x2	FHQ100x2	FUQ100x2	FAQ100x2
AFR	28x2	27x2	24x2	29x2	23x2
(BF)	(0.16x2)	(0.2x2)	(0.14x2)	(0.07x2)	(0.1x2)

- Rated power input of each model is tabulated below.

#### Pair

Model	FDQ200
Cooling	6.43
Heating	7.54

#### Twin

Model	FCQ100x2	FBQ100x2	FHQ100x2	FUQ100x2	FAQ100x2
Cooling	5.87	6.36	7.00	6.93	6.18
Heating	7.16	6.85	8.21	7.48	7.74

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

#### Triple

Model	FCQ60x3	FCQ71x3	FFQ60x3	FBQ60x3	FBQ71x3	FHQ60x3	FHQ71x3	FUQ71x3	FAQ71x3
AFR	18x3	18x3	15x3	19x3	19x3	17x3	17x3	19x3	19x3
(BF)	(0.1x3)	(0.1x3)	(0.11x3)	(0.11x3)	(0.11x3)	(0.2x3)	(0.1x3)	(0.07x3)	(0.08x3)

#### Double twin

Model	FCQ50x4	FFQ50x4	FBQ50x4	FHQ50x4
AFR	15x4	12x4	14x4	13x4
(BF)	(0.16x4)	(0.16x4)	(0.15x4)	(0.1x4)

#### Triple

Model	FCQ60x3	FCQ71x3	FFQ60x3	FBQ60x3	FBQ71x3	FHQ60x3	FHQ71x3	FUQ71x3	FAQ71x3
Cooling	6.18	6.18	6.20	6.69	6.69	7.37	7.37	7.30	6.50
Heating	7.54	7.54	7.32	7.21	7.21	8.65	8.65	7.88	8.14

#### Double twin

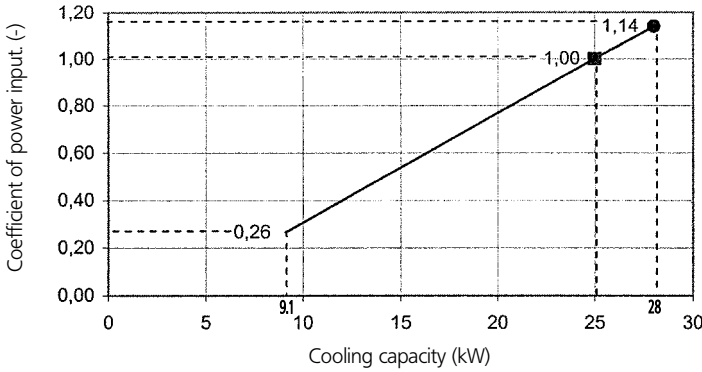
Model	FCQ50x4	FFQ50x4	FBQ50x4	FHQ50x4
Cooling	6.18	6.20	6.69	7.37
Heating	7.54	7.32	7.21	8.65

# 5 Capacity tables

## 5 - 2 Cooling capacity tables

### RZQ250BW1 (Pair / Twin / Double twin)

#### Cooling



#### Cooling capacity

400V [50Hz]

Indoor °CWB	Outdoor temperature (°CDB)											
	25			30			35			40		
	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16	25.4	21.5	0.79	24.4	20.7	0.88	23.4	19.8	0.98	22.3	19.0	1.08
18	26.6	21.5	0.80	25.5	20.6	0.89	24.5	19.8	0.99	23.4	18.9	1.09
19	27.2	21.5	0.80	26.1	20.6	0.90	25.0	19.8	1.00	23.9	19.0	1.10
20	27.8	21.4	0.81	26.7	20.5	0.91	25.5	19.7	1.01	24.4	18.9	1.11
22	29.0	21.2	0.81	27.8	20.3	0.92	26.6	19.5	1.02	25.5	18.7	1.12
24	30.2	20.9	0.82	29.0	20.1	0.93	27.7	19.3	1.03	26.5	18.4	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark with ● show the max. total capacity at standard conditions.  
On the figure the mark with ■ show rated capacity and rated coefficient of power input.  
However, only rated capacity & CPI are guaranteed (maximal values NOT).
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- Rated values are guaranteed. Other values are accurate within an error of 5%.
- Heating capacity includes capacity drop due to defrost operation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

#### Pair

Model	FDQ250
AFR	89
(BF)	0.34

#### Twin

Model	FCQ125x2	FBQ125x2	FHQ125x2	FUQ125x2	FDQ125x2
AFR	31x2	35x2	30x2	32x2	45x2
(BF)	(0.07x2)	(0.14x2)	(0.13x2)	(0.07x2)	(0.25x2)

#### Double twin

Model	FCQ60x4	FFQ60x4	FBQ60x4	FHQ60x4
AFR	18x4	15x4	19x4	17x4
(BF)	(0.1x4)	(0.11x4)	(0.11x4)	(0.2x4)

- Rated power input of each model is tabulated below.

#### Pair

Model	FDQ250
Cooling	8.30
Heating	8.85

#### Twin

Model	FCQ125x2	FBQ125x2	FHQ125x2	FUQ125x2	FDQ125x2
Cooling	8.62	8.84	9.89	9.00	9.22
Heating	9.34	8.55	9.64	9.34	7.91

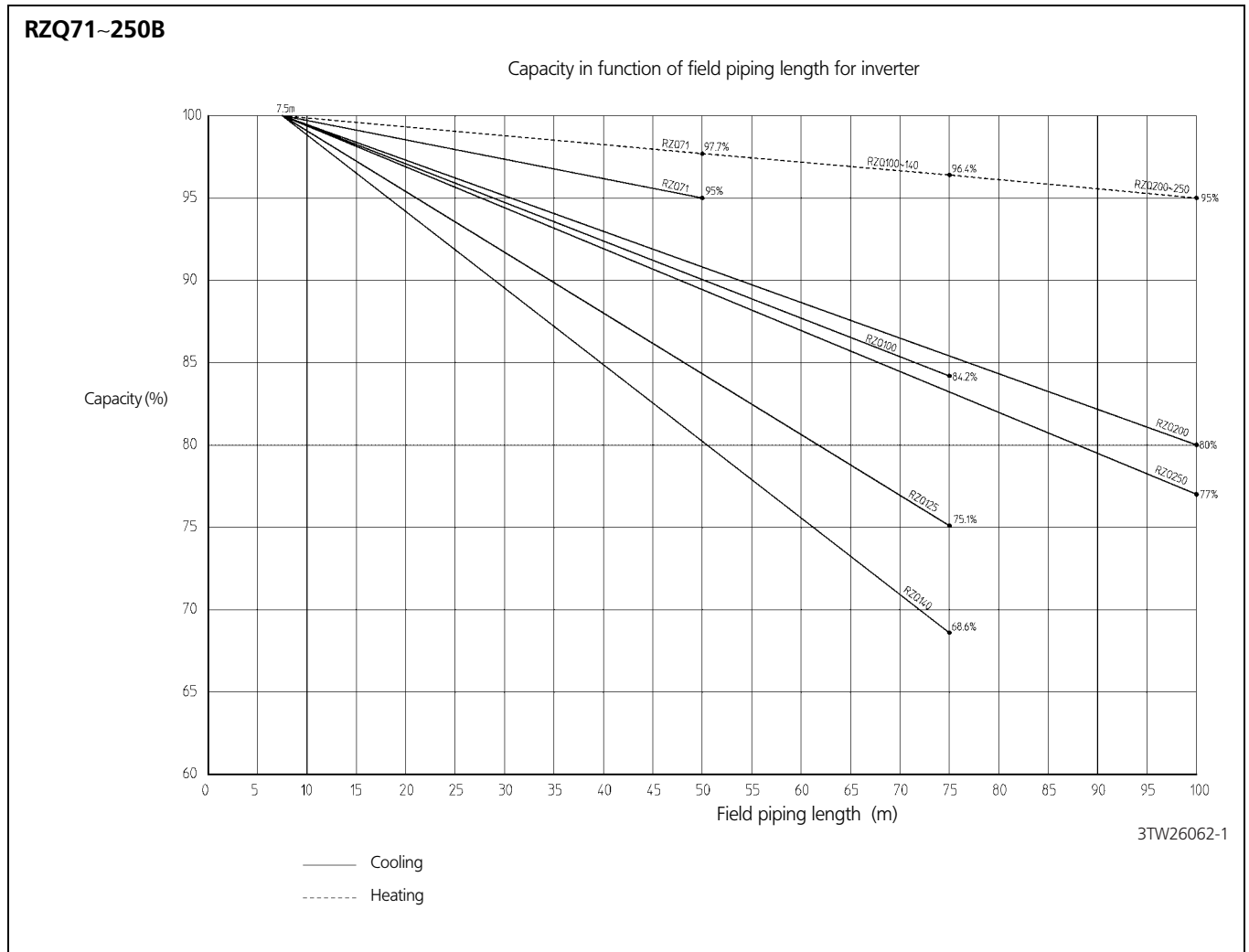
#### Double twin

Model	FCQ60x4	FFQ60x4	FBQ60x4	FHQ60x4
Cooling	9.08	9.18	9.31	10.41
Heating	9.83	9.13	9.00	10.15

# 5 Capacity tables

## 5 - 2 Cooling capacity tables

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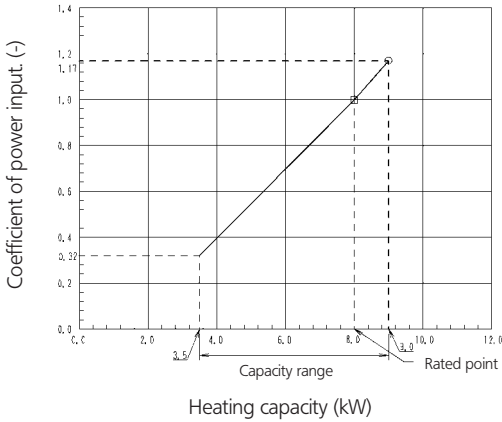


# 5 Capacity tables

## 5 - 3 Heating capacity tables

### RZQ71B8V3 (Pair + Multi)

#### Heating



#### Heating capacity

#### 230V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	5.14	1.06	5.68	1.12	6.22	1.17	6.75	1.23	8.02	0.92	8.64	0.97
18.0	5.14	1.10	5.67	1.16	6.21	1.22	6.74	1.28	8.01	0.96	8.62	1.01
20.0	5.13	1.15	5.67	1.21	6.20	1.27	6.74	1.33	8.00	1.00	8.61	1.05
21.0	5.13	1.17	5.66	1.23	6.20	1.29	6.73	1.35	8.00	1.02	8.61	1.07
22.0	5.12	1.19	5.66	1.25	6.19	1.32	6.73	1.38	7.99	1.04	8.60	1.09
24.0	5.12	1.23	5.65	1.30	6.19	1.36	6.72	1.43	7.98	1.08	8.59	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input.  
However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.  
Pair

Model	FCQ71D	FCQ71B	FBQ71	FHQ71	FAQ71	FUQ71
AFR	19	18	19	17	19	19
(BF)	(0.10)	(0.10)	(0.11)	(0.10)	(0.08)	(0.07)

- Rated power input of each model is tabulated below.  
Pair

Model	FCQ71D	FCQ71B	FBQ71	FHQ71	FAQ71	FUQ71
Cooling	1.98	2.16	2.21	2.46	2.36	2.21
Heating	1.97	2.56	2.09	2.67	2.42	2.34

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

#### Multi

Model	FCQ35Bx2	FFQ35x2	FBQ35x2	FHQ35x2
AFR	14x2	10x2	11.5x2	13x2
(BF)	(0.16x2)	(0.25x2)	(0.15x2)	(0.2x2)

#### Multi

Model	FCQ35Bx2	FFQ35x2	FBQ35x2	FHQ35x2
Cooling	2.27	2.29	2.25	2.53
Heating	2.69	2.64	2.20	2.81



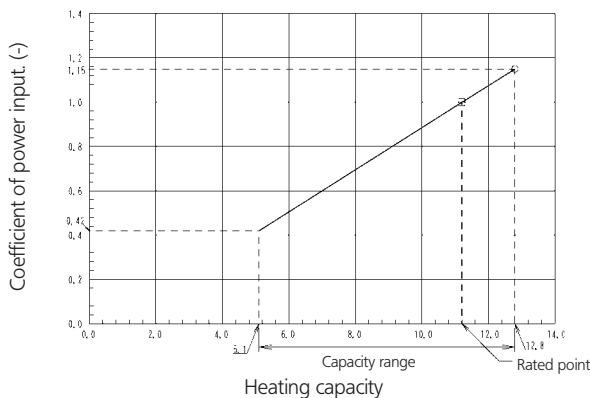
# 5 Capacity tables

## 5 - 3 Heating capacity tables

5

### RZQ100B8V3 (Pair + Twin/triple)

#### Heating



#### Heating capacity

230V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	7.16	1.01	7.91	1.07	8.66	1.12	9.41	1.17	11.2	0.92	12.1	0.97
18.0	7.15	1.05	7.90	1.11	8.65	1.16	9.39	1.22	11.2	0.96	12.1	1.01
20.0	7.15	1.09	7.89	1.15	8.64	1.21	9.38	1.27	11.2	1.00	12.1	1.05
21.0	7.14	1.12	7.89	1.17	8.63	1.23	9.38	1.29	11.2	1.02	12.1	1.07
22.0	7.14	1.14	7.88	1.20	8.63	1.26	9.37	1.32	11.2	1.04	12.0	1.09
24.0	7.13	1.18	7.87	1.24	8.62	1.30	9.36	1.36	11.2	1.08	12.0	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7°CDB/6°CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
AFR	30	28	27	24	23	29
(BF)	(0.11)	(0.16)	(0.20)	(0.14)	(0.10)	(0.07)

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
AFR	15x2	12x2	14x2	13x2
(BF)	(0.16x2)	(0.16x2)	(0.15x2)	(0.1x2)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
Cooling	2.44	2.64	2.86	3.15	2.78	3.12
Heating	2.56	3.14	3.00	3.60	3.39	3.28

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
AFR	14x3	10x3	11.5x3	13x3
(BF)	(0.16x3)	(0.25x3)	(0.15x3)	(0.2x3)

Triple

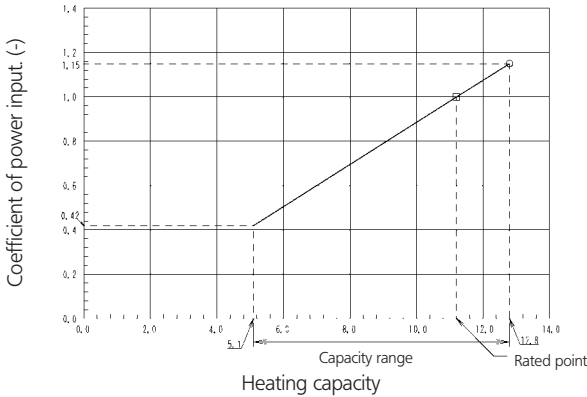
Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

# 5 Capacity tables

## 5 - 3 Heating capacity tables

### RZQ100BW1 (Pair + Twin/triple)

#### Heating



#### Heating capacity

400V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	7.16	1.01	7.91	1.07	8.66	1.12	9.41	1.17	11.2	0.92	12.1	0.97
18.0	7.15	1.05	7.90	1.11	8.65	1.16	9.39	1.22	11.2	0.96	12.1	1.01
20.0	7.15	1.09	7.89	1.15	8.64	1.21	9.38	1.27	11.2	1.00	12.1	1.05
21.0	7.14	1.12	7.89	1.17	8.63	1.23	9.38	1.29	11.2	1.02	12.1	1.07
22.0	7.14	1.14	7.88	1.20	8.63	1.26	9.37	1.32	11.2	1.04	12.0	1.09
24.0	7.13	1.18	7.87	1.24	8.62	1.30	9.36	1.36	11.2	1.08	12.0	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
AFR	30	28	27	24	23	29
(BF)	(0.11)	(0.16)	(0.20)	(0.14)	(0.10)	(0.07)

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
AFR	15x2	12x2	14x2	13x2
(BF)	(0.16x2)	(0.16x2)	(0.15x2)	(0.1x2)

- Rated power input of each model is tabulated below.

Pair

Model	FCQ100D	FCQ100B	FBQ100	FHQ100	FAQ100	FUQ100
Cooling	2.44	2.64	2.86	3.15	2.78	3.12
Heating	2.56	3.14	3.00	3.60	3.39	3.28

Twin

Model	FCQ50Bx2	FFQ50x2	FBQ50x2	FHQ50x2
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
AFR	14x3	10x3	11.5x3	13x3
(BF)	(0.16x3)	(0.25x3)	(0.15x3)	(0.2x3)

Triple

Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

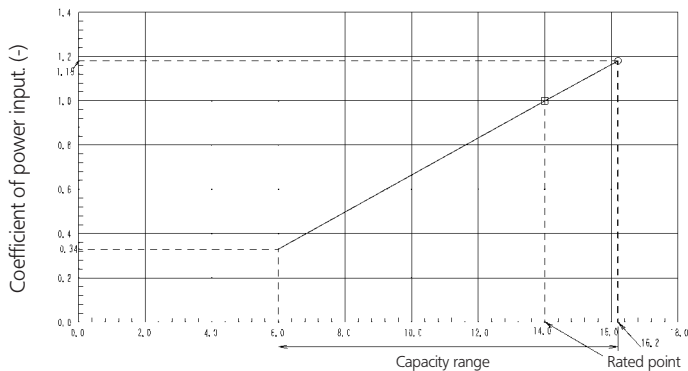
# 5 Capacity tables

## 5 - 3 Heating capacity tables

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### RZQ125B8V3 (Pair + Twin / triple / double twin)

#### Heating



#### Heating capacity 230V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	8.83	1.05	9.76	1.11	10.7	1.16	11.6	1.22	14.0	0.92	15.1	0.97
18.0	8.82	1.10	9.74	1.15	10.7	1.21	11.6	1.27	14.0	0.96	15.1	1.01
20.0	8.81	1.14	9.73	1.20	10.7	1.26	11.6	1.32	14.0	1.00	15.1	1.05
21.0	8.81	1.16	9.73	1.22	10.6	1.28	11.6	1.34	14.0	1.02	15.1	1.07
22.0	8.80	1.18	9.72	1.24	10.6	1.31	11.6	1.37	14.0	1.04	15.1	1.09
24.0	8.79	1.22	9.71	1.29	10.6	1.35	11.5	1.42	14.0	1.08	15.0	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH, however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

- AFR: Air flow rate (m<sup>3</sup>/min)  
 BF: Bypass factor  
 EWB: Entering wet bulb temp. (°CWB)  
 EDB: Entering dry bulb temp. (°CDB)  
 TC: Total cooling/heating capacity (kW)  
 SHC: Sensible heating capacity (kW)  
 PI: Power input (kW)  
 CPI: Coefficient of power input (-)

**Caution:**  
TC and SHC are shown by kW

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
AFR	30	31	35	30	32	45
(BF)	(0.13)	(0.07)	(0.14)	(0.13)	(0.07)	(0.25)

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
AFR	18x2	15x2	19x2	17x2
(BF)	(0.1x2)	(0.11x2)	(0.11x2)	(0.2x2)

10. Rated power input of each model is tabulated below.

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
Cooling	3.54	3.88	3.98	4.45	4.05	4.15
Heating	3.59	4.36	3.99	4.50	4.36	3.69

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ35x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Double twin

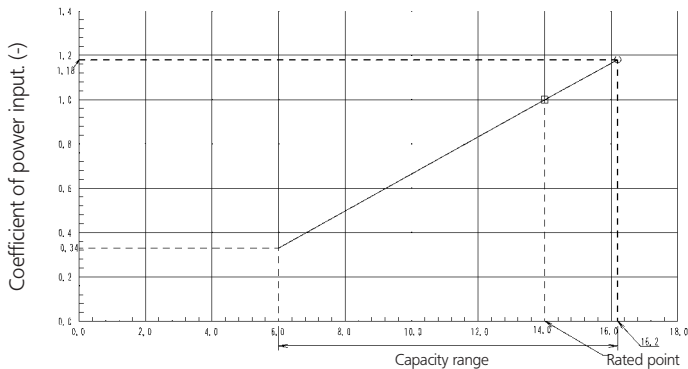
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

# 5 Capacity tables

## 5 - 3 Heating capacity tables

### RZQ125BW1 (Pair + Twin / triple / double twin)

#### Heating



#### Heating capacity 230V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	8.83	1.05	9.76	1.11	10.7	1.16	11.6	1.22	14.0	0.92	15.1	0.97
18.0	8.82	1.10	9.74	1.15	10.7	1.21	11.6	1.27	14.0	0.96	15.1	1.01
20.0	8.81	1.14	9.73	1.20	10.7	1.26	11.6	1.32	14.0	1.00	15.1	1.05
21.0	8.81	1.16	9.73	1.22	10.6	1.28	11.6	1.34	14.0	1.02	15.1	1.07
22.0	8.80	1.18	9.72	1.24	10.6	1.31	11.6	1.37	14.0	1.04	15.1	1.09
24.0	8.79	1.22	9.71	1.29	10.6	1.35	11.5	1.42	14.0	1.08	15.0	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (DB\* - EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
AFR	30	31	35	30	32	45
(BF)	(0.13)	(0.07)	(0.14)	(0.13)	(0.07)	(0.25)

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ35x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
AFR	18x2	15x2	19x2	17x2
(BF)	(0.1x2)	(0.11x2)	(0.11x2)	(0.2x2)

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

10. Rated power input of each model is tabulated below.

Pair

Model	FCQ125D	FCQ125B	FBQ125	FHQ125	FUQ125	FDQ125
Cooling	3.54	3.88	3.98	4.45	4.05	4.15
Heating	3.59	4.36	3.99	4.50	4.36	3.69

Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Twin

Model	FCQ60Bx2	FFQ60x2	FBQ60x2	FHQ60x2
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

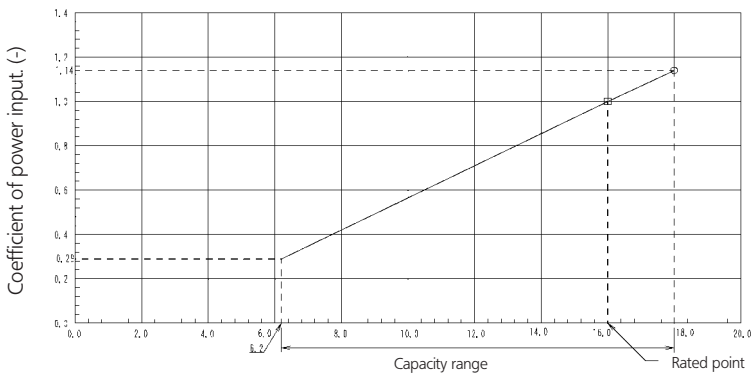
# 5 Capacity tables

## 5 - 3 Heating capacity tables

5

### RZQ140BW1 (Pair + Twin / triple / double twin)

#### Heating



#### Heating capacity 400V [50Hz]

Indoor EDB (°C)	Outdoor temp. (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16.0	9.82	1.05	10.8	1.11	11.9	1.16	12.9	1.22	16.0	0.92	17.3	0.97
18.0	9.80	1.10	10.8	1.15	11.8	1.21	12.9	1.27	16.0	0.96	17.2	1.01
20.0	9.79	1.14	10.8	1.20	11.8	1.26	12.9	1.32	16.0	1.00	17.2	1.05
21.0	9.79	1.16	10.8	1.22	11.8	1.28	12.8	1.34	16.0	1.02	17.2	1.07
22.0	9.78	1.18	10.8	1.24	11.8	1.31	12.8	1.37	16.0	1.04	17.2	1.09
24.0	9.77	1.22	10.8	1.29	11.8	1.35	12.8	1.42	16.0	1.08	17.2	1.13

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark ○ show the max. at standard conditions.  
On the figure the mark □ show rated capacity and rated coefficient of power input. However the max. capacity is not guaranteed, except at standard condition.
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH, however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- The value contains less than 5% error according to indoor unit type.
- Heating capacity include the drop of frost formation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

- AFR: Air flow rate (m<sup>3</sup>/min)  
 BF: Bypass factor  
 EWB: Entering wet bulb temp. (°CWB)  
 EDB: Entering dry bulb temp. (°CDB)  
 TC: Total cooling/heating capacity (kW)  
 SHC: Sensible heating capacity (kW)  
 PI: Power input (kW)  
 CPI: Coefficient of power input (-)

**Caution:**  
TC and SHC are shown by kW

Pair

Model	FCQ140D
AFR	30
(BF)	(0.07)

Twin

Model	FCQ71Bx2	FBQ71x2	FHQ71x2	FUQ71x2	FAQ71x2
AFR	18x2	19x2	17x2	19x2	19x2
(BF)	(0.1x2)	(0.11x2)	(0.1x2)	(0.07x2)	(0.08x2)

10. Rated power input of each model is tabulated below.

Pair

Model	FCQ140D
Cooling	4.65
Heating	4.52

Twin

Model	FCQ71Bx2	FBQ71x2	FHQ71x2	FUQ71x2	FAQ71x2
Cooling	4.81	4.95	4.99	4.99	4.92
Heating	5.52	5.06	5.69	5.05	5.22

#### Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
AFR	15x3	12x3	14x3	13x3
(BF)	(0.16x3)	(0.16x3)	(0.15x3)	(0.1x3)

#### Double twin

Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
AFR	14x4	10x4	11.5x4	13x4
(BF)	(0.16x4)	(0.25x4)	(0.15x4)	(0.2x4)

#### Triple

Model	FCQ50Bx3	FFQ50x3	FBQ50x3	FHQ50x3
Cooling	4.81	4.86	4.95	4.99
Heating	5.52	5.11	5.06	5.69

#### Double twin

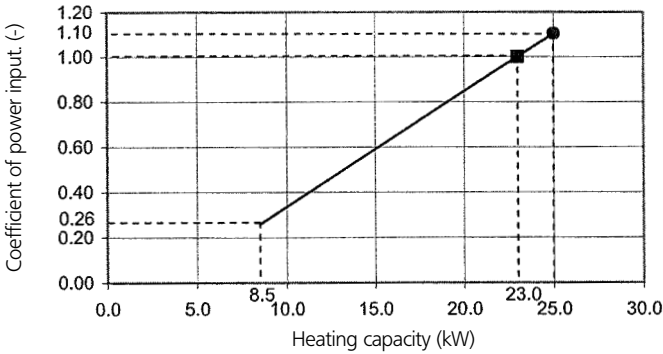
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.81	4.86	4.95	4.99
Heating	5.52	5.11	5.06	5.69

# 5 Capacity tables

## 5 - 3 Heating capacity tables

### RZQ200BW (Pair / Twin / Triple / Double twin)

#### Heating



#### Heating capacity 400V [50Hz]

Indoor °CDB	Outdoor temperature (°CWB)											
	-15		-10		-5		0		6		10	
	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16	14.5	1.17	17.3	1.22	16.9	1.21	18.1	1.24	23.3	0.97	25.4	1.01
18	14.4	1.19	17.2	1.25	16.8	1.23	18.0	1.26	23.2	0.98	25.3	1.02
20	14.3	1.21	17.1	1.27	16.7	1.25	17.9	1.28	23.0	1.00	25.1	1.04
22	14.2	1.23	17.0	1.29	16.6	1.28	17.8	1.31	22.8	1.02	24.9	1.06
24	14.1	1.25	16.8	1.31	16.4	1.30	17.6	1.33	22.7	1.03	24.7	1.08

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#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat
- On the figure the mark with ● show the max. total capacity at standard conditions.  
On the figure the mark with ■ show rated capacity and rated coefficient of power input. However, only rated capacity & CPI are guaranteed (maximal values NOT).
- On the tables [ ] show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- Rated values are guaranteed. Other values are accurate within an error of 5%.
- Heating capacity includes capacity drop due to defrost operation.
- Air flow rate and BF are tabulated below.

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

#### Pair

Model	FDQ200
AFR	69
(BF)	0.31

#### Twin

Model	FCQ100x2	FBQ100x2	FHQ100x2	FUQ100x2	FAQ100x2
AFR	28x2	27x2	24x2	29x2	23x2
(BF)	(0.16x2)	(0.2x2)	(0.14x2)	(0.07x2)	(0.1x2)

- Rated power input of each model is tabulated below.

#### Pair

Model	FDQ200
Cooling	6.43
Heating	7.54

#### Twin

Model	FCQ100x2	FBQ100x2	FHQ100x2	FUQ100x2	FAQ100x2
Cooling	5.87	6.36	7.00	6.93	6.18
Heating	7.16	6.85	8.21	7.48	7.74

#### Triple

Model	FCQ60x3	FCQ71x3	FFQ60x3	FBQ60x3	FBQ71x3	FHQ60x3	FHQ71x3	FUQ71x3	FAQ71x3
AFR	18x3	18x3	15x3	19x3	19x3	17x3	17x3	19x3	19x3
(BF)	(0.1x3)	(0.1x3)	(0.11x3)	(0.11x3)	(0.11x3)	(0.2x3)	(0.1x3)	(0.07x3)	(0.08x3)

#### Double twin

Model	FCQ50x4	FFQ50x4	FBQ50x4	FHQ50x4
AFR	15x4	12x4	14x4	13x4
(BF)	(0.16x4)	(0.16x4)	(0.15x4)	(0.1x4)

#### Triple

Model	FCQ60x3	FCQ71x3	FFQ60x3	FBQ60x3	FBQ71x3	FHQ60x3	FHQ71x3	FUQ71x3	FAQ71x3
Cooling	6.18	6.18	6.20	6.69	6.69	7.37	7.37	7.30	6.50
Heating	7.54	7.54	7.32	7.21	7.21	8.65	8.65	7.88	8.14

#### Double twin

Model	FCQ50x4	FFQ50x4	FBQ50x4	FHQ50x4
Cooling	6.18	6.20	6.69	7.37
Heating	7.54	7.32	7.21	8.65

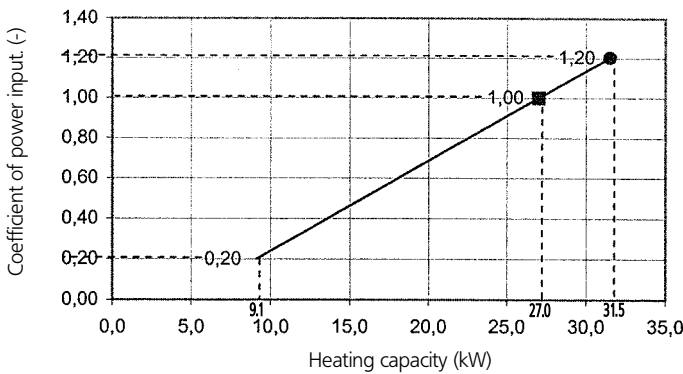
# 5 Capacity tables

## 5 - 3 Heating capacity tables

5

### RZQ250BW1 (Pair / Twin / Double twin)

#### Heating



#### Heating capacity

400V [50Hz]

Indoor	Outdoor temperature (°CWB)											
	-15		-10		-5		0		6		10	
°CDB	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)	TC (kW)	CPI (-)
16	16.5	1.04	19.4	1.09	18.7	1.09	19.9	1.12	27.5	0.92	29.9	0.98
18	16.4	1.08	19.2	1.14	18.5	1.13	19.7	1.17	27.2	0.96	29.6	1.02
20	16.2	1.12	19.0	1.18	18.4	1.18	19.5	1.22	27.0	1.00	29.3	1.06
22	16.1	1.16	18.8	1.23	18.2	1.22	19.3	1.26	26.8	1.04	29.1	1.10
24	15.9	1.20	18.7	1.27	18.0	1.26	19.2	1.31	26.5	1.08	28.8	1.14

3TW26571-2A

#### NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark with ● show the max. total capacity at standard conditions.  
On the figure the mark with ■ show rated capacity and rated coefficient of power input. However, only rated capacity & CPI are guaranteed (maximal values NOT).
- On the tables □ show rated capacity and rated coefficient of power input.
- SHC is based on each EWB and EDB  
SHC\* = SHC correction for other dry bulb  
SHC\* = 0.02 x AFR (m<sup>3</sup>/min.) x (1-BF) x (DB\*-EDB)  
Add SHC\* to SHC.
- Capacities are based on following conditions:  
Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)  
Corresponding refrigerant piping length : 7.5 m  
Level difference : 0 m
- Coefficient of power input is the percentage when the rated valve is defined as 1.00.
- Rated values are guaranteed. Other values are accurate within an error of 5%.
- Heating capacity includes capacity drop due to defrost operation.
- Air flow rate and BF are tabulated below.

#### Pair

Model	FDQ250
AFR	89
(BF)	0.34

#### Twin

Model	FCQ125x2	FBQ125x2	FHQ125x2	FUQ125x2	FDQ125x2
AFR	31x2	35x2	30x2	32x2	45x2
(BF)	(0.07x2)	(0.14x2)	(0.13x2)	(0.07x2)	(0.25x2)

- Rated power input of each model is tabulated below.

#### Pair

Model	FDQ250
Cooling	8.30
Heating	8.85

#### Twin

Model	FCQ125x2	FBQ125x2	FHQ125x2	FUQ125x2	FDQ125x2
Cooling	8.62	8.84	9.89	9.00	9.22
Heating	9.34	8.55	9.64	9.34	7.91

#### SYMBOLS

AFR:	Air flow rate	(m <sup>3</sup> /min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling/heating capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input	(kW)
	(comp.+indoor+outdoor fan motor)	
CPI:	Coefficient of power input.	(-)

**Caution:**  
TC and SHC are shown by kW

#### Double twin

Model	FCQ60x4	FFQ60x4	FBQ60x4	FHQ60x4
AFR	18x4	15x4	19x4	17x4
(BF)	(0.1x4)	(0.11x4)	(0.11x4)	(0.2x4)

#### Double twin

Model	FCQ60x4	FFQ60x4	FBQ60x4	FHQ60x4
Cooling	9.08	9.18	9.31	10.41
Heating	9.83	9.13	9.00	10.15

# 6 Dimensional drawing & centre of gravity

## 6 - 1 Dimensional drawing

**RZQ71B8V3** unit (mm)

Hole for anchor bolt 4-M12

- 1 Gas pipe connection  $\phi$  15.9 flare
- 2 Liquid pipe connection -  $\phi$  9.5 flare
- 3 Service port (in the unit)
- 4 Grounding terminal M5 (in switch box)
- 5 Refrigerant piping intake
- 6 Power supply wiring intake (knock hole  $\phi$  34)
- 7 Control wiring intake (knock hole  $\phi$  27)
- 8 Drain outlet

3TW25144-1A

**RZQ100-125-140B** unit (mm)

Hole for anchor bolt 4-M12

- 1 Gas pipe connection  $\phi$  15.9 flare
- 2 Liquid pipe connection -  $\phi$  9.5 flare
- 3 Service port (in the unit) (2x)
- 4 Grounding terminal M5 (in switch box)
- 5 Refrigerant piping intake
- 6 Power supply wiring intake (knock hole  $\phi$  34)
- 7 Control wiring intake (knock hole  $\phi$  27)
- 8 Drain outlet

3TW26071-1

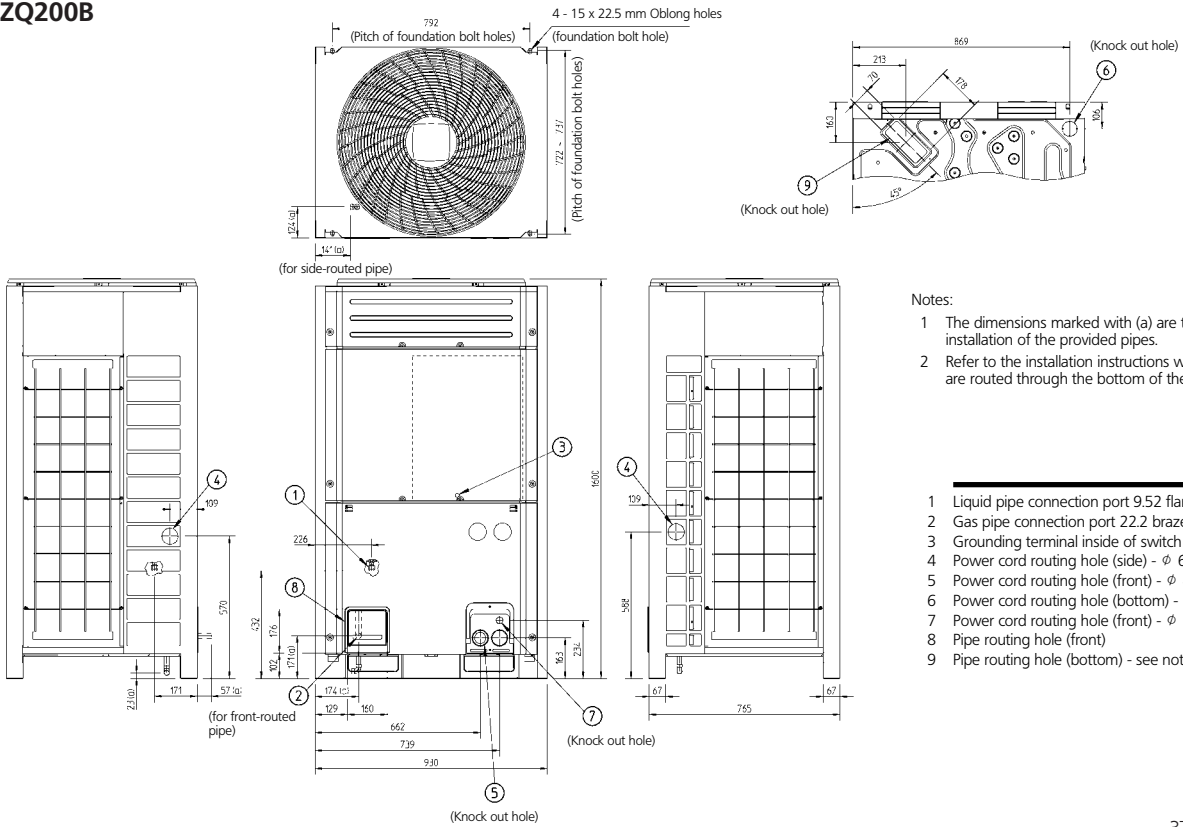


# 6 Dimensional drawing & centre of gravity

## 6 - 1 Dimensional drawing

6

### RZQ200B



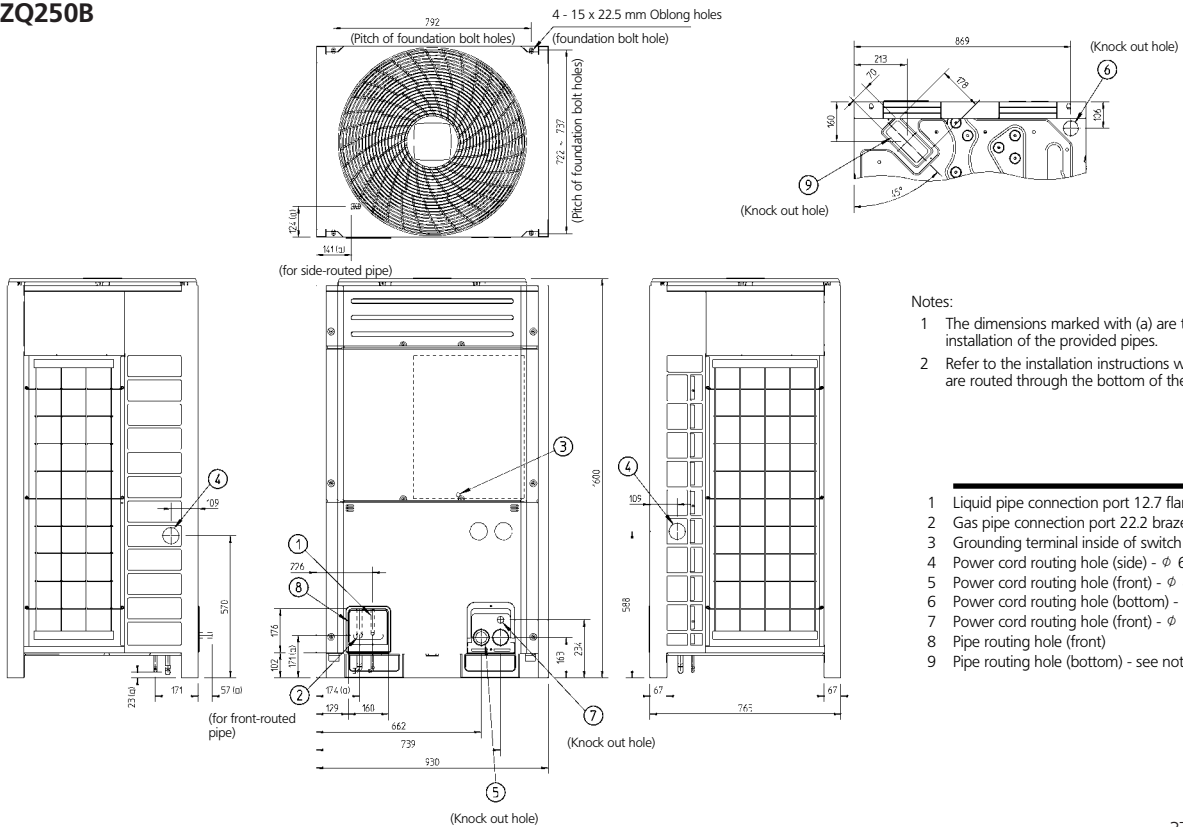
Notes:

- 1 The dimensions marked with (a) are those with the installation of the provided pipes.
- 2 Refer to the installation instructions when the pipes are routed through the bottom of the unit.

- 1 Liquid pipe connection port 9.52 flare connection
- 2 Gas pipe connection port 22.2 brazed connection
- 3 Grounding terminal inside of switch box
- 4 Power cord routing hole (side) -  $\phi$  65
- 5 Power cord routing hole (front) -  $\phi$  45
- 6 Power cord routing hole (bottom) -  $\phi$  60
- 7 Power cord routing hole (front) -  $\phi$  27
- 8 Pipe routing hole (front)
- 9 Pipe routing hole (bottom) - see note 2

3TW26564-2

### RZQ250B



Notes:

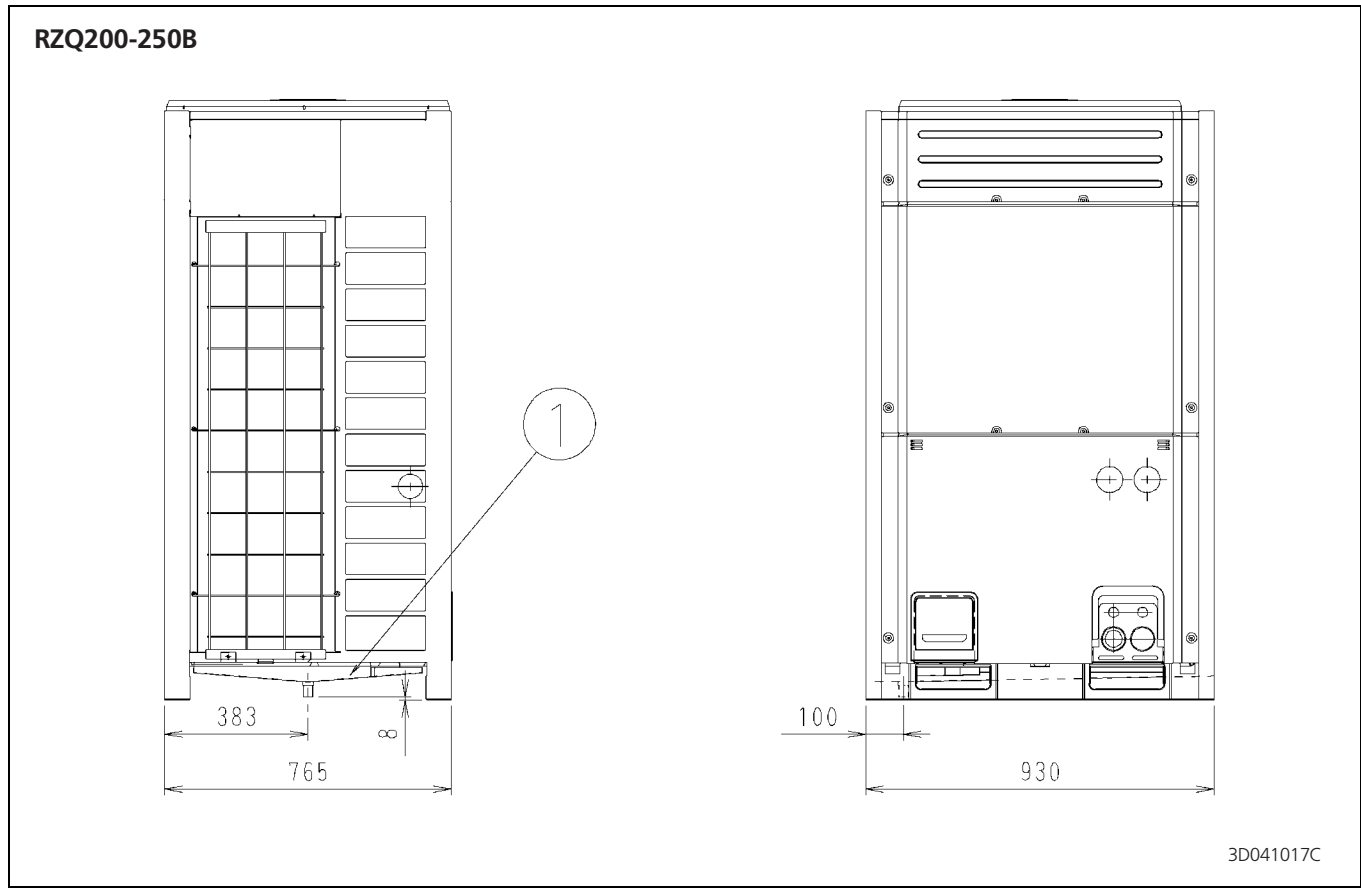
- 1 The dimensions marked with (a) are those with the installation of the provided pipes.
- 2 Refer to the installation instructions when the pipes are routed through the bottom of the unit.

- 1 Liquid pipe connection port 12.7 flare connection
- 2 Gas pipe connection port 22.2 brazed connection
- 3 Grounding terminal inside of switch box
- 4 Power cord routing hole (side) -  $\phi$  65
- 5 Power cord routing hole (front) -  $\phi$  45
- 6 Power cord routing hole (bottom) -  $\phi$  60
- 7 Power cord routing hole (front) -  $\phi$  27
- 8 Pipe routing hole (front)
- 9 Pipe routing hole (bottom) - see note 2

3TW26574-2

## 6 Dimensional drawing & centre of gravity

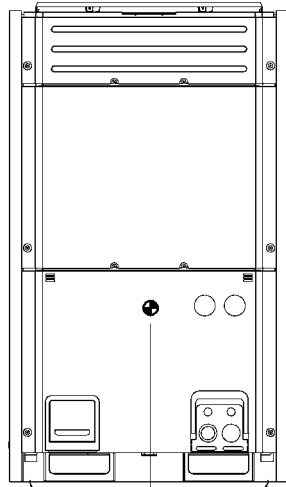
### 6 - 1 Dimensional drawing



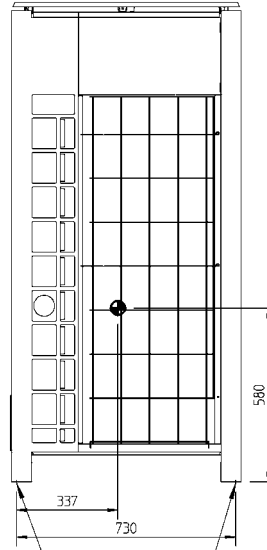
## 6 Dimensional drawing & centre of gravity

### 6 - 2 Centre of gravity

RZQ200-250B



Center of foundation bolt hole



Center of foundation bolt hole



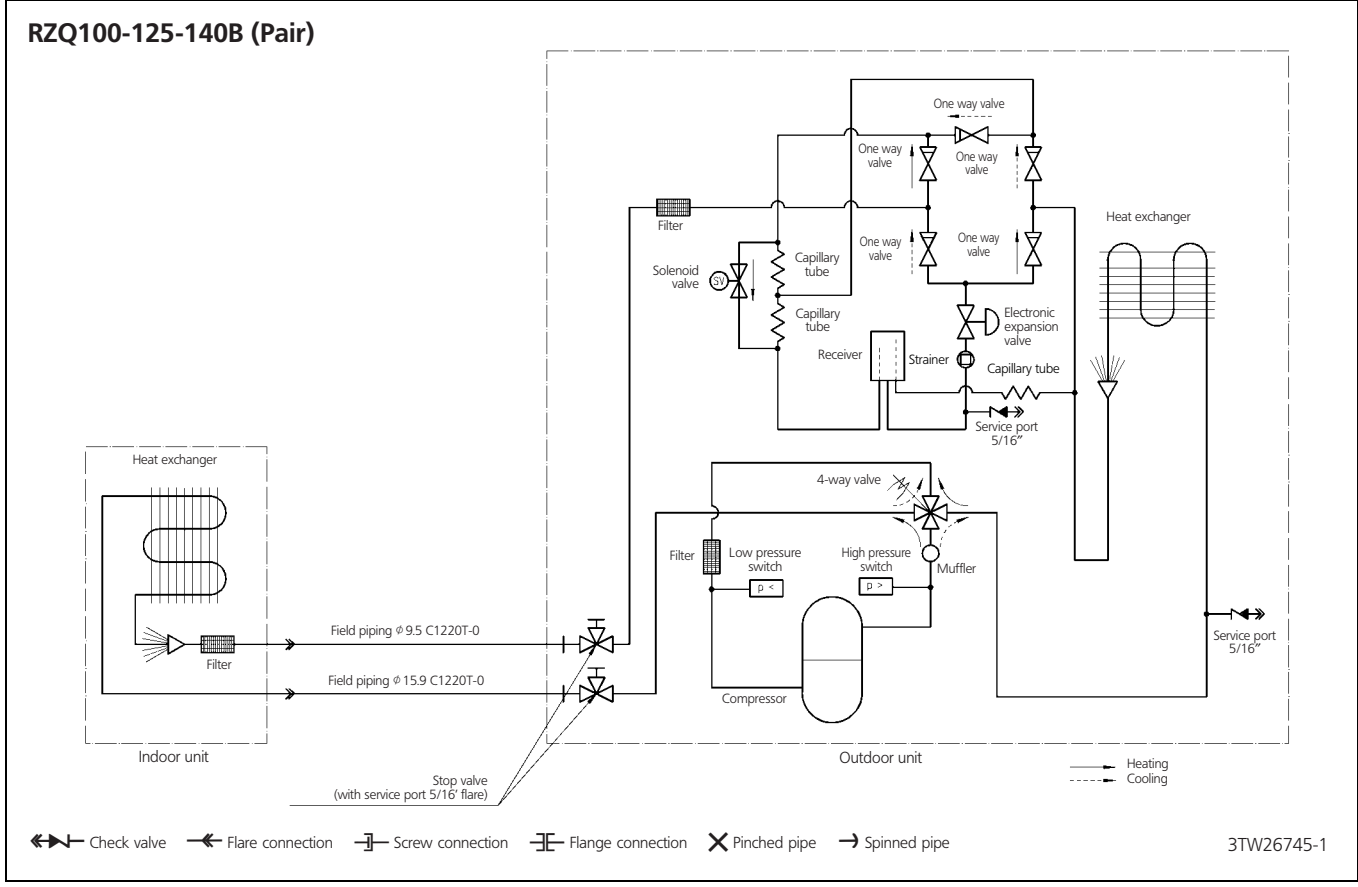
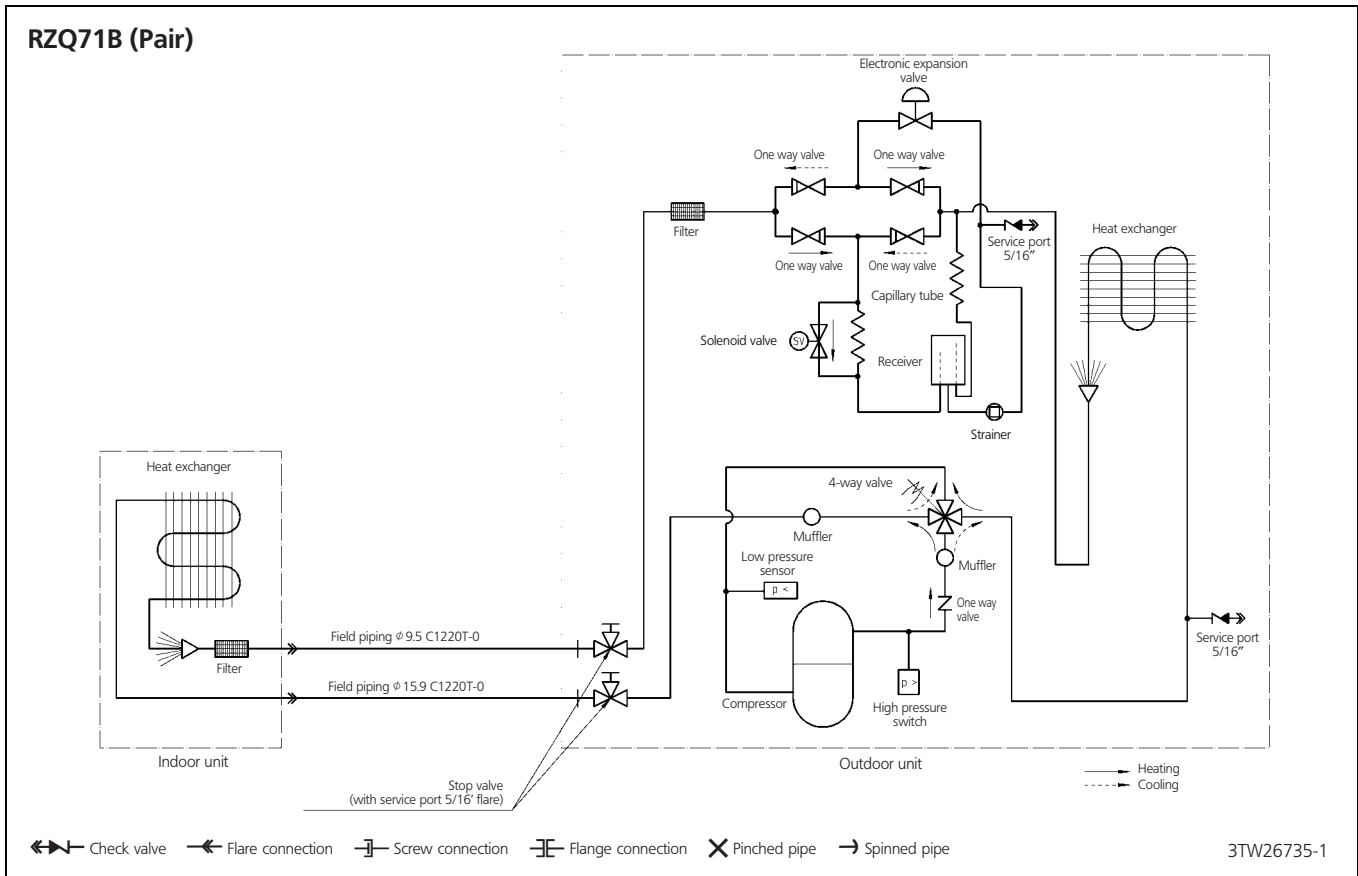
Center of foundation bolt hole (oblong hole)



Center of foundation bolt hole (oblong hole)

4TW26569-1

# 7 Piping diagram

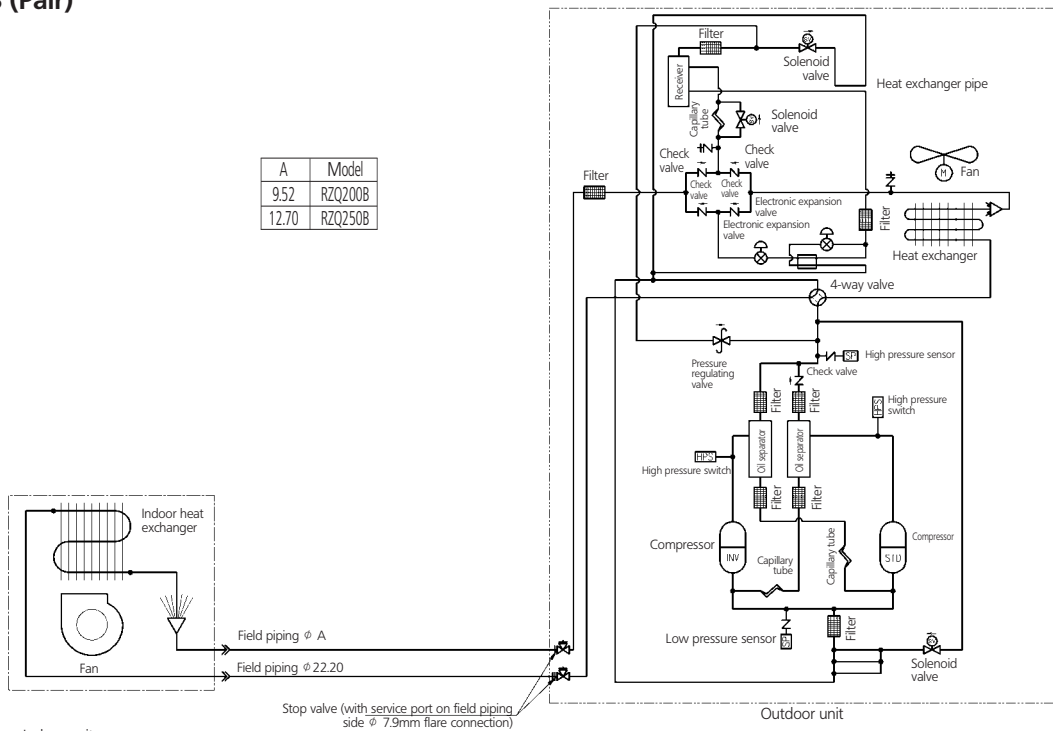


# 7 Piping diagram

7

## RZQ200-250B (Pair)

A	Model
9.52	RZQ200B
12.70	RZQ250B

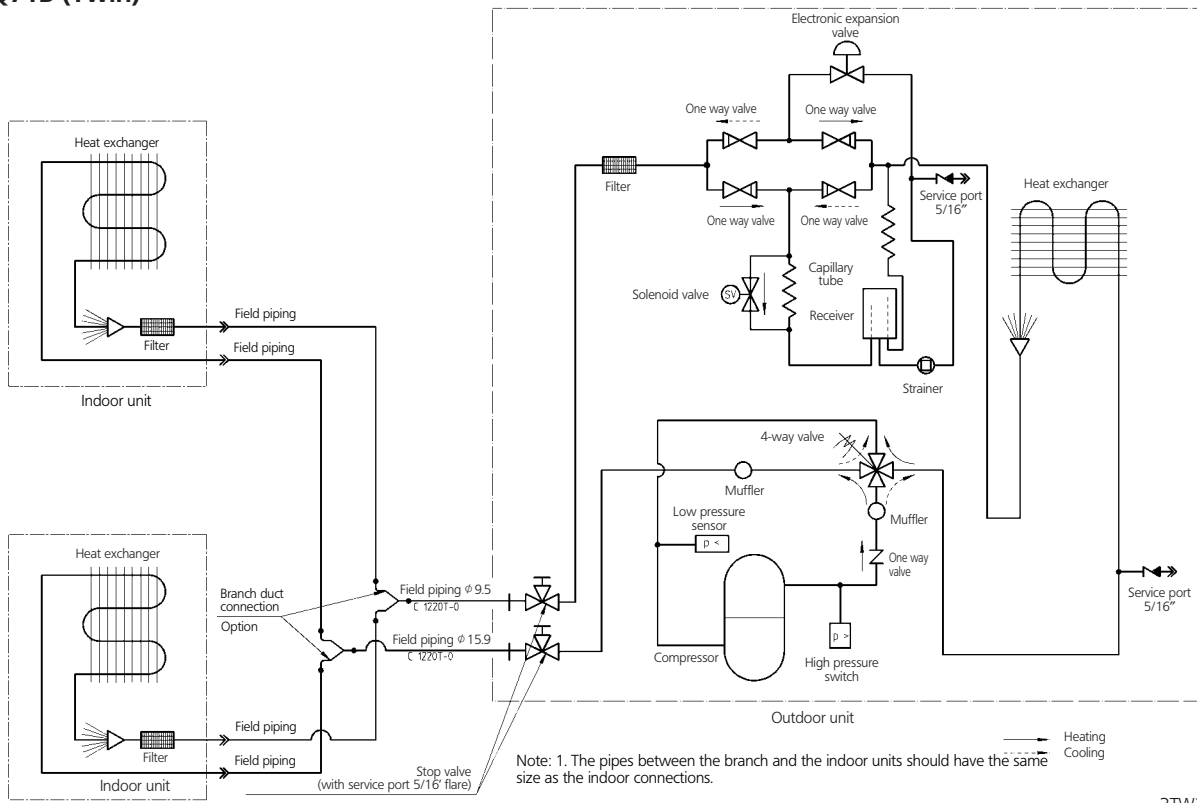


Note: The pipes between the branch and the indoor units should have the same size as the indoor connections.

3TW26565-1

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

## RZQ71B (Twin)

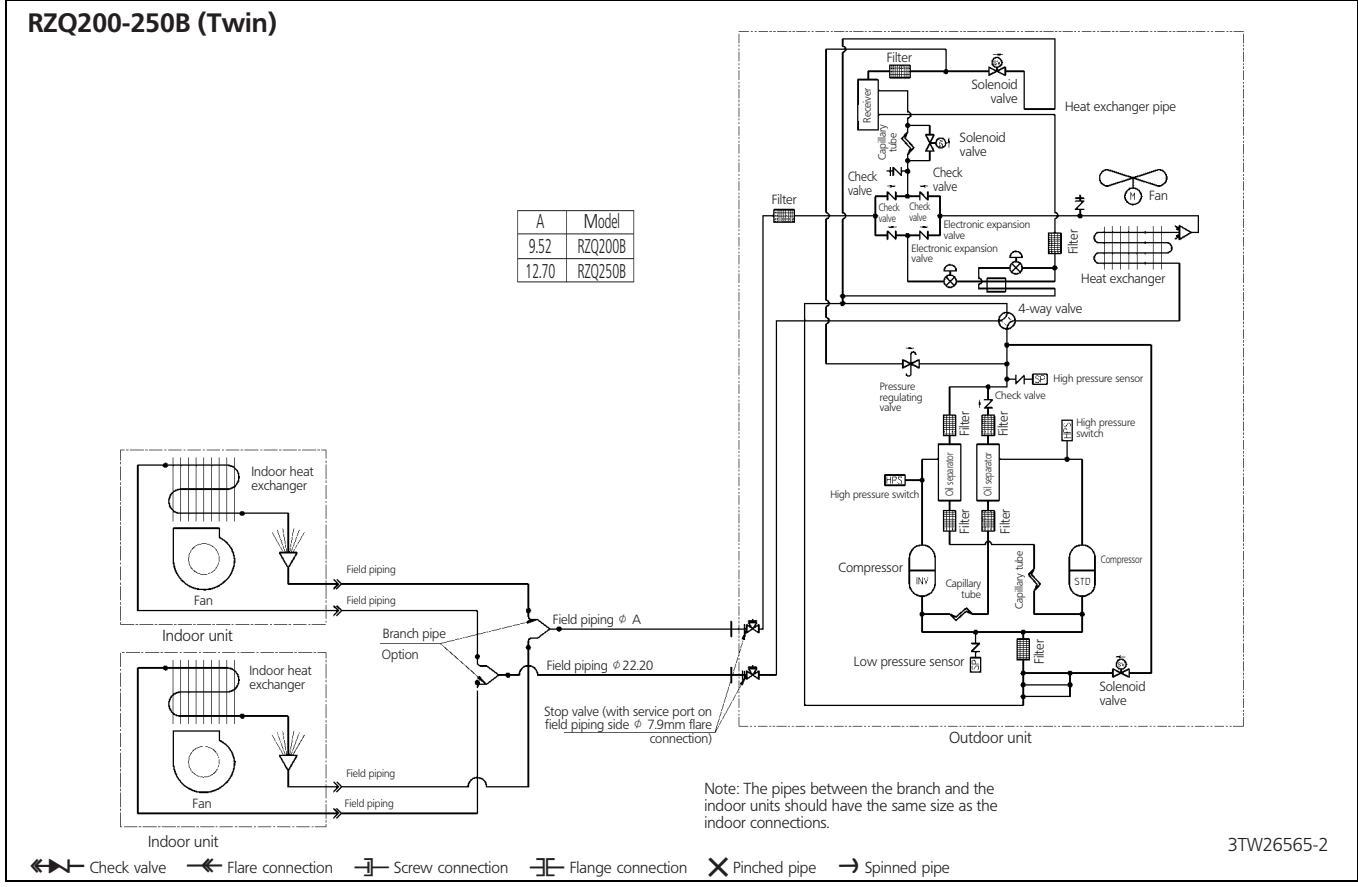
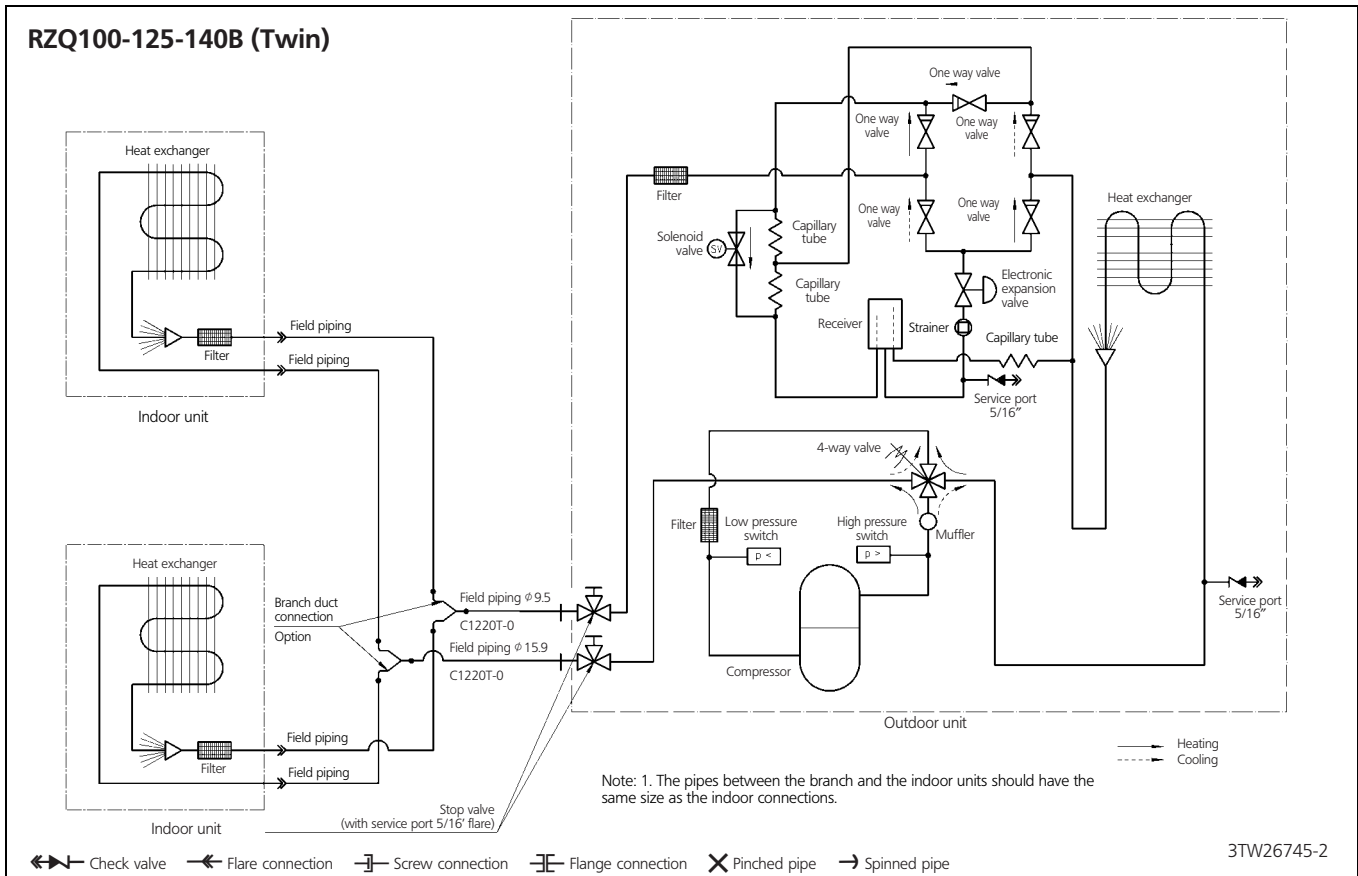


Note: 1. The pipes between the branch and the indoor units should have the same size as the indoor connections.

3TW26735-2

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

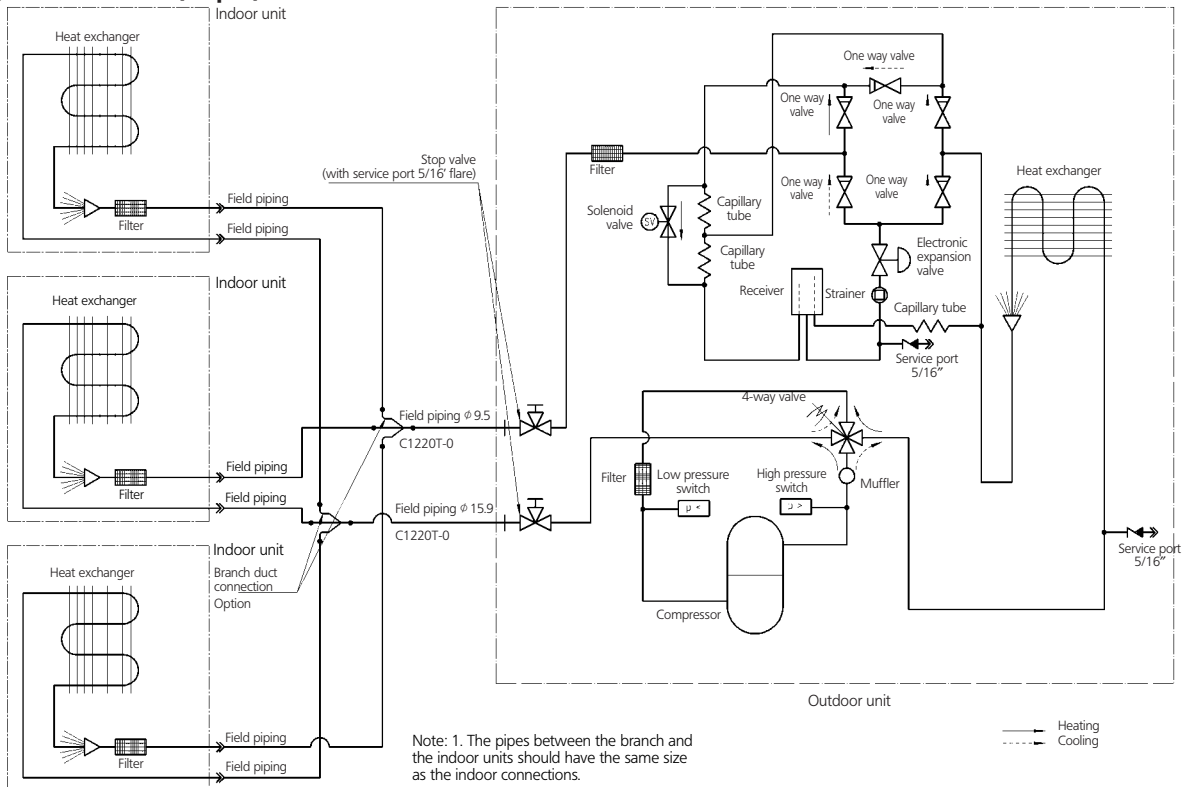
# 7 Piping diagram



# 7 Piping diagram

7

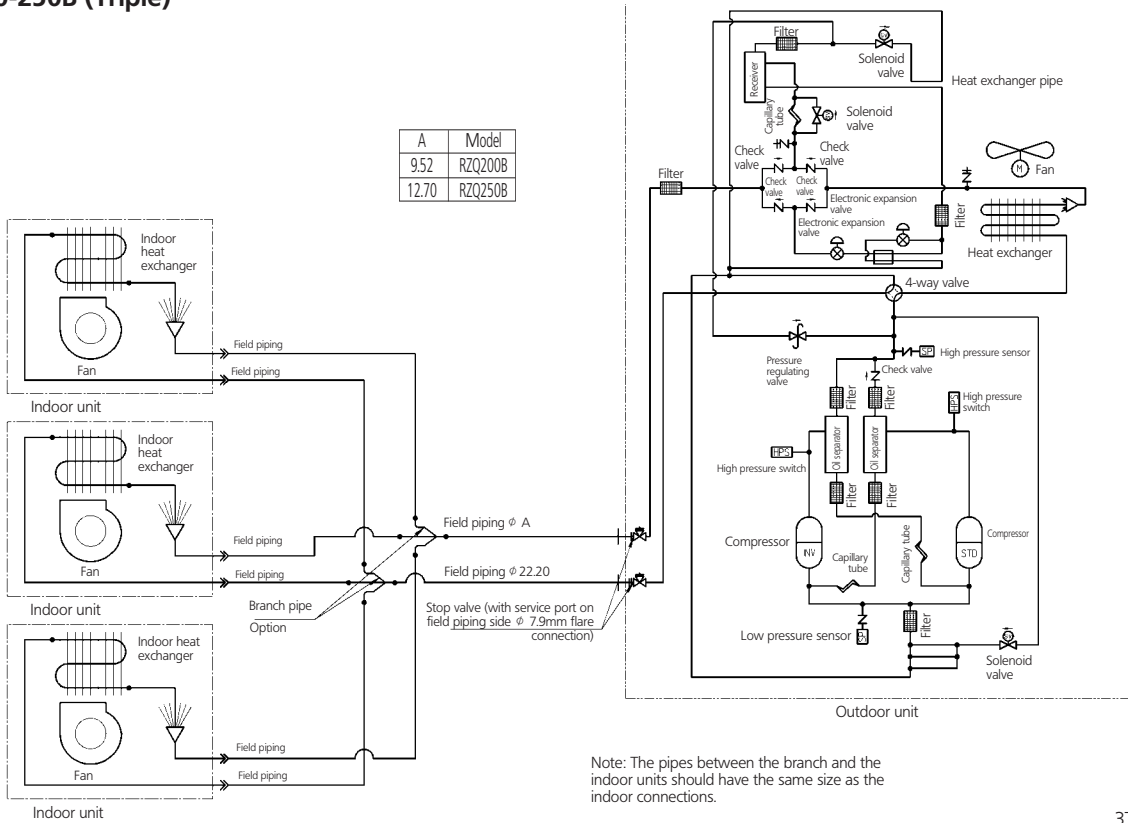
## RZQ100-125-140B (Triple)



3TW26745-3

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

## RZQ200-250B (Triple)

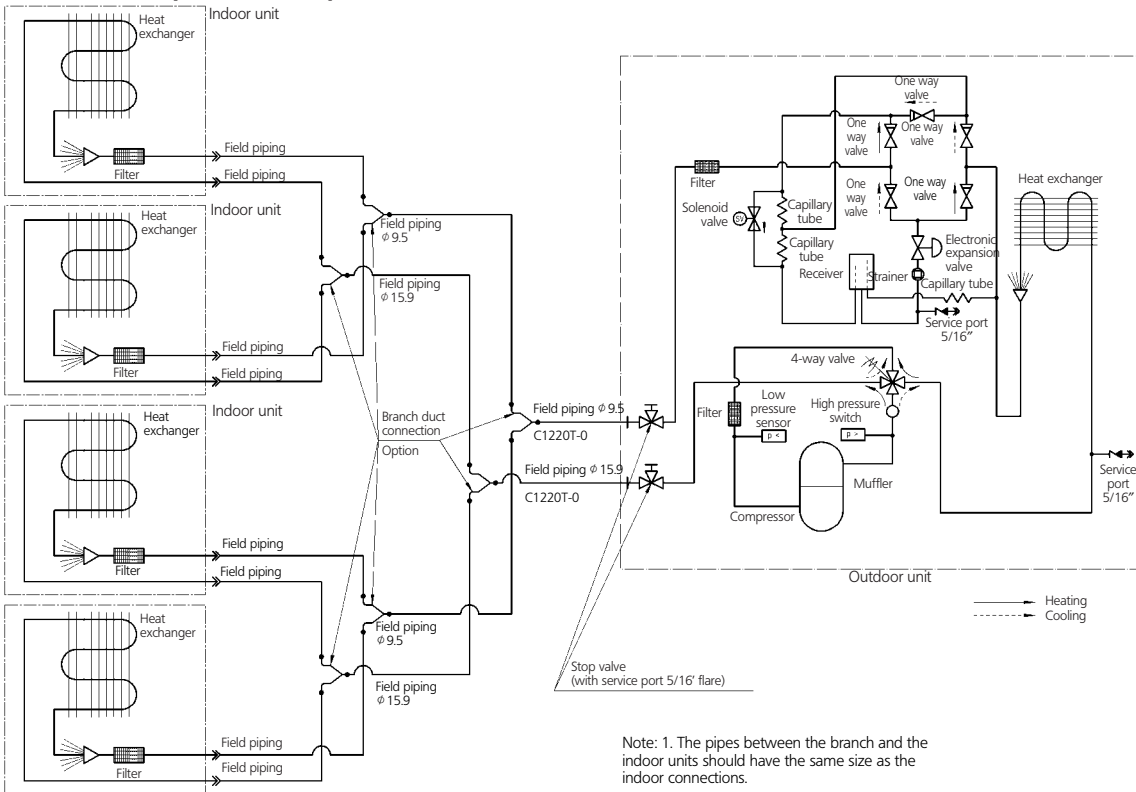


3TW26565-3

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

# 7 Piping diagram

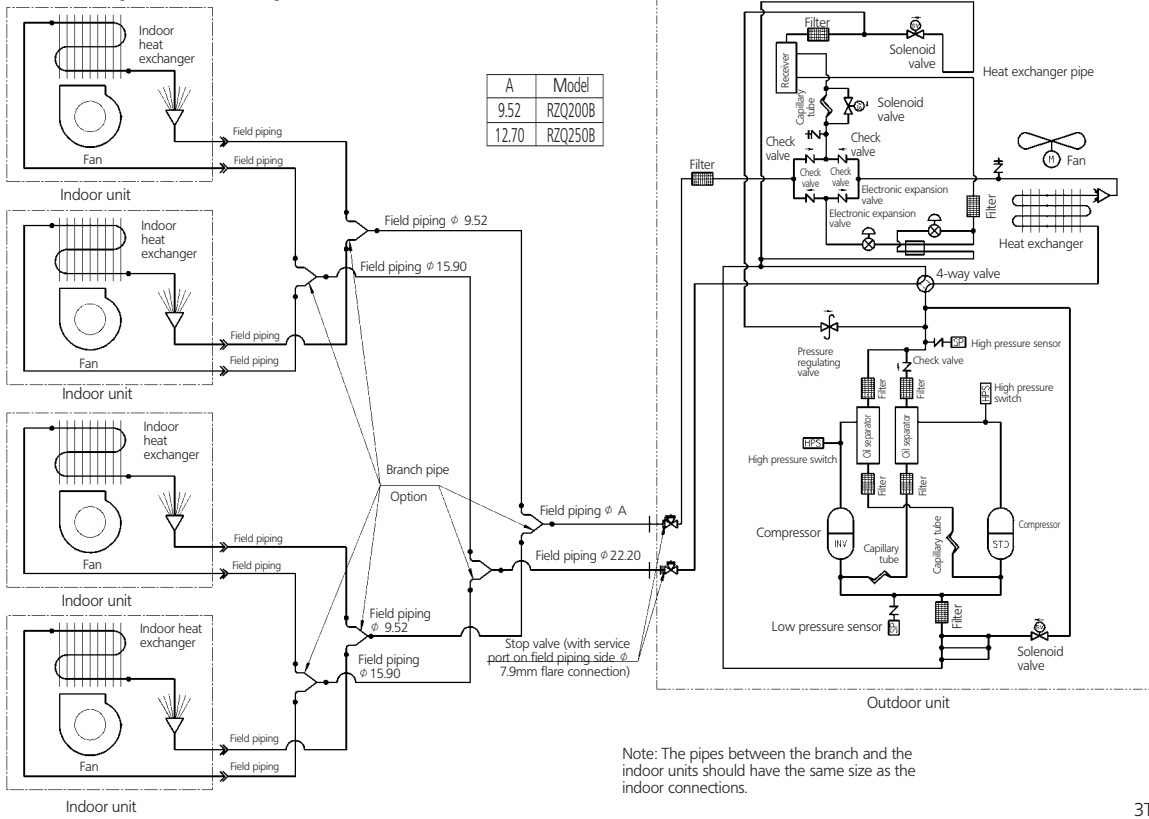
## RZQ100-125-140B (Double twin)



3TW26755-4

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

## RZQ200-250B (Double twin)



3TW26565-4A

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



# 8 Wiring diagram

## 8 - 1 Wiring diagram

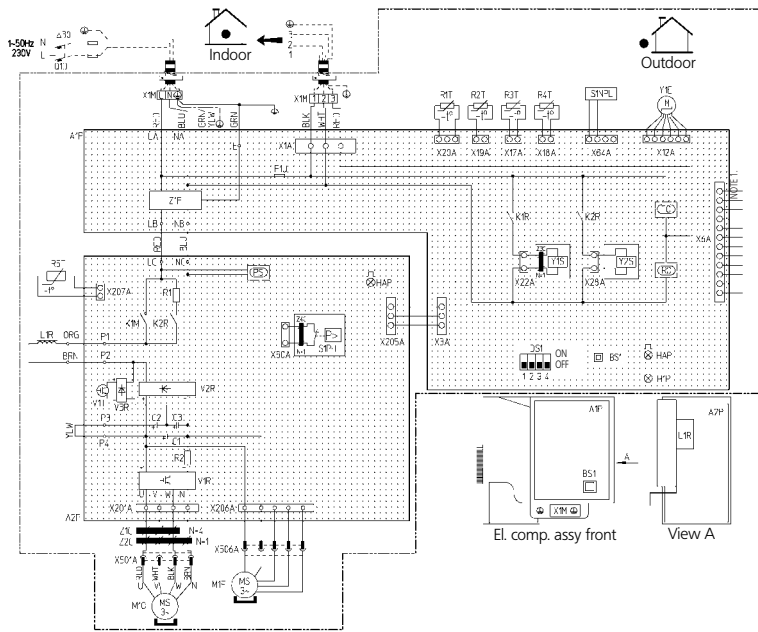
### RZQ71B8V3

- L : Live
- N : Neutral
- - - : Field wiring
- ⊕ : Protective earth (screw)
- : Wire clamp
- : Terminal
- ⊞ : Connector
- ↑ : Relay connector

Colours  
 BLK: Black / ORG: Orange / BLU: Blue /  
 WHT: White / RED: Red / YLW: Yellow /  
 BRN: Brown / GRN: Green

**NOTES:**

1. Refer to the optional manual, for connection wiring to X6A.
2. Confirm the method of setting the selector switches (DS1) by service manual. When the unit is shipped by factory all switches are set to be off.



A1P	Printed circuit board	K1M(A2P)	Magnetic contactor	R2T	Thermistor (coil)	V2R-V3R	Diode module
A2P	Printed circuit board (NM)	K1RA1P)	Magnetic relay (Y1S)	R3T	Thermistor (discharge pipe)	V1T	IGBT
BS1	Push button switch (forced defrost / pump down)	K2RA1P)	Magnetic relay (Y2S)	R4T	Thermistor (suction pipe)	X6A	Connector (Option)
C1-C2-C3	Capacitor	K2RA2P)	Magnetic relay	R5T	Thermistor (power module)	X1M	Terminal strip
DS1	Dip switch	L1R	Reactor	S1PH	Pressure switch (high)	Y1E	Expansion valve
F1U	Fuse (T6 3A/250V)	M1C	Motor compressor	S1NPL	Pressure sensor (low)	Y1S	4-way valve
HAP (A1P)	Light emitting diode (service monitor green)	M1F	Motor fan	RC	Signal receiver circuit	Y2S	Solenoid valve
HAP (A2P)	Light emitting diode (service monitor green)	PS	Power circuit	TC	Signal transmission circuit	Z1C, Z2C	Noise filter
H1P (A1P)	Light emitting diode (service monitor red)	Q1DI	Earth leakage breaker (30mA)	V1R	Power module	Z3C, Z4C	Noise filter
		R1-R2	Resistor			Z1F	Noise filter (with surge absorber)
		R1T	Thermistor (air)				

2TW26736-1A

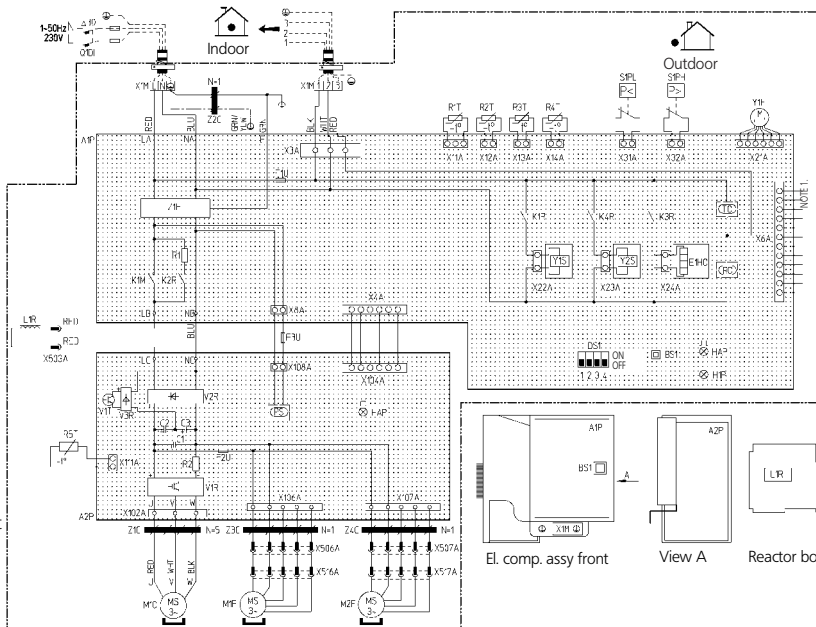
### RZQ100-125B8V3

- L : Live
- N : Neutral
- - - : Field wiring
- ⊕ : Protective earth (screw)
- : Wire clamp
- : Terminal
- ⊞ : Connector
- ↑ : Relay connector

Colours  
 BLK: Black / ORG: Orange / BLU: Blue /  
 WHT: White / RED: Red / YLW: Yellow /  
 BRN: Brown / GRN: Green

**NOTES:**

1. Refer to the optional manual, for connection wiring to X6A.
2. Confirm the method of setting the selector switches (DS1) by service manual. When the unit is shipped by factory all switches are set to be off.



A1P	Printed circuit board	K1M(A2P)	Magnetic contactor	R2T	Thermistor (coil)	V2R-V3R	Diode module
A2P	Printed circuit board (NM)	K1RA1P)	Magnetic relay (Y1S)	R3T	Thermistor (discharge pipe)	V1T	IGBT
BS1	Push button switch (forced defrost / pump down)	K2RA1P)	Magnetic relay	R4T	Thermistor (suction pipe)	X6A	Connector (Option)
C1-C2-C3	Capacitor	K3RA1P)	Magnetic relay (E1H)	R5T	Thermistor (power module)	X1M	Terminal strip
DS1	Dip switch	K4R (A1P)	Magnetic relay (Y2S)	S1PH	Pressure switch (high)	Y1E	Expansion valve
E1HC	Crankcase heater	L1R	Reactor	S1NPL	Pressure sensor (low)	Y1S	4-way valve
F1U	Fuse (T 6.3A/250V)	M1C	Motor compressor	TC	Signal transmission circuit	Y2S	Solenoid valve
F2U	Fuse	M1F	Motor fan	V1R	Power module	Z1C, Z2C	Noise filter
F3U	Fuse (B 5A/250V)	PS	Power circuit			Z3C, Z4C	Noise filter
HAP (A1P)	Light emitting diode (service monitor green)	Q1DI	Earth leakage breaker (30mA)			Z1F	Noise filter (with surge absorber)
HAP (A2P)	Light emitting diode (service monitor green)	R1-R2	Resistor				
H1P (A1P)	Light emitting diode (service monitor red)	R1T	Thermistor (air)				

2TW26746-1

# 8 Wiring diagram

## 8 - 1 Wiring diagram

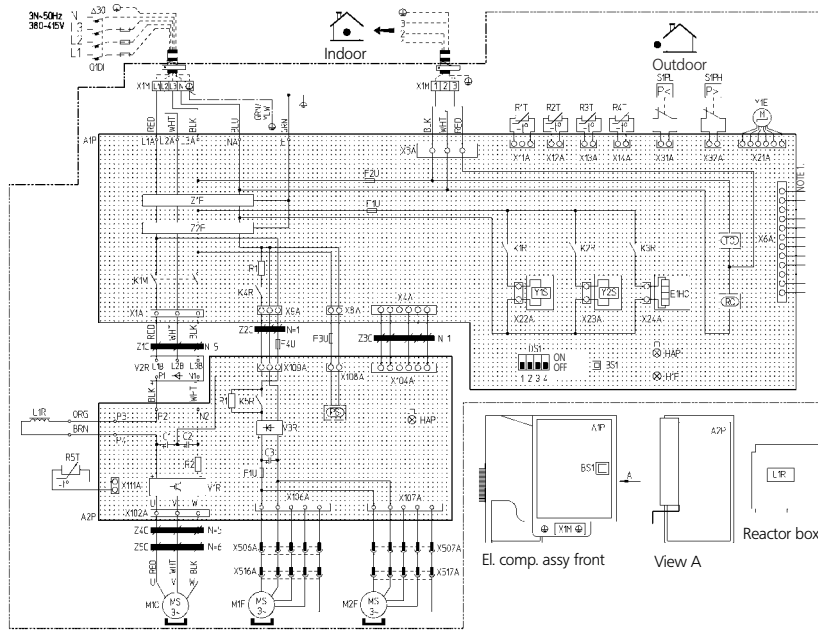
### RZQ100-125-140BW1

- L : Live
- N : Neutral
- - - : Field wiring
- ⊕ : Protective earth (screw)
- : Wire clamp
- : Terminal
- ⊞ : Connector
- ⬆ : Relay connector

Colours  
 BLK: Black / ORG: Orange / YLU: Blue /  
 WHT: White / RED: Red / YLW: Yellow /  
 BRN: Brown / GRN: Green

**NOTES:**

1. Refer to the optional manual, for connection wiring to X6A.
2. Confirm the method of setting the selector switches (DS1) by service manual. When the unit is shipped by factory all switches are set to be off.



- A1P Printed circuit board
- A2P Printed circuit board (INV)
- BS1 Push button switch (forced defrost / pump down)
- C1-C2-C3 Capacitor
- DS1 Dip switch
- F1U (A2P) Fuse (T 6.3A/250V)
- F2U Fuse (T 6.3A/250V)
- F3U Fuse (B 10A/250V)
- F4U Fuse (B 10A/250V)
- HAP (A1P) Light emitting diode (service monitor green)
- HAP (A2P) Light emitting diode (service monitor green)
- H1P (A1P) Light emitting diode (service monitor red)

- K1M(A2P) Magnetic contactor
- K1R(A1P) Magnetic relay (Y1S)
- K2R(A1P) Magnetic relay (Y2S)
- K3R(A1P) Magnetic relay (E1HC)
- K4R, K5R Magnetic relay
- L1R Reactor
- M1C Motor compressor
- M1F Motor fan
- PS Power circuit
- QDI Earth leakage breaker (30mA)
- R1-R2 Resistor

- R1T Thermistor (air)
- R2T Thermistor (coil)
- R3T Thermistor (discharge pipe)
- R4T Thermistor (suction pipe)
- R5T Thermistor (power module)
- S1PH Pressure switch (high)
- S1NPL Pressure sensor (low)
- RC Signal receiver circuit
- TC Signal transmission circuit
- V1R Power module

- V2R-V3R Diode module
- VIT IGBT
- X6A Connector (Option)
- X1M Terminal strip
- Y1E Expansion valve
- Y1S 4-way valve
- Y2S Solenoid valve
- Z1C, Z2C Noise filter
- Z3C, Z4C Noise filter
- Z1F Noise filter
- Z1F Noise filter (with surge absorber)

2TW26766-1

### RZQ200-250B

- A1P-ASP Printed circuit board
- A1P Main
- A2P Inverter
- A3P Fan motor
- A4P Noise filter
- ASP current sensor
- BS1-BS5 Push button switch
- C2-C5, C63, C65 Capacitor
- DS1 Dip switch
- E1HC, E2HC Crankcase heater
- F1U Fuse (250V, 5A) (A4P)
- F1U, F2U Fuse (250V, 10A) (A1P)
- F5U Field fuse
- H1P-H7P Pilot lamp (Pilotlamp service monitor - orange)
- H2P Prepare test - flickering
- H2P (Malfunction detection) - Light up
- HAP Pilot lamp (Pilotlamp service monitor - green)

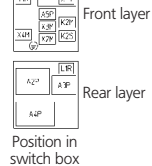
- K1 Magnetic relay
- K2S Magnetic relay (M2Q)
- K2 Magnetic contactor (M1C)
- K2M Magnetic contactor (M2C)
- K1R-K7R Magnetic relay
- K1R K2M (A1P)
- K2R Y1S
- K3R E1HC (A1P)
- K4R E2HC (A1P)
- K5R Y2S
- K6R Y3S
- K7R Y4S
- L1R Reactor
- M1C, M2C Motor compressor
- M1F Motor fan
- PS Power circuit
- QDI Earth leakage breaker (max. 30mA)
- Q1RP Phase reversal detect circuit
- R10 Resistor (current sensor)
- R50, R59 Resistor
- R95 Resistor (current limiting)
- R11, R32T Thermistor
- T1A Air (A1P)
- R32T M2C Discharge
- R1T Fin type (A2P)
- R2T Coil-deicer
- R4T Suction
- R5T Coil-outlet
- R31T M1C Discharge
- S1NPH Pressure sensor (high)

- S1NPL Pressure sensor (low)
- S1PH, S2PH Pressure switch (high)
- T1A current sensor
- T1R Transform(230V/20V)
- V1CP, V2CP Safety devices input
- V1R, V2R Power module (A2P)
- V1R Power module (A3P)
- X1M Terminal strip (Control) (A1P)
- X2M Terminal (Power supply indoor)
- X3M Terminal (Control)
- X4M Terminal strip (Power supply)

- Y1E Electronic expansion valve (Main)
- Y2E Electronic expansion valve (Subcool)
- Y1S-Y4S Solenoid valve
- Y1S 4-way valve
- Y2S Hot gas
- Y3S Receiver gas purge
- Y4S Liquid pipe
- Z1C, Z5C Noise filter (ferrite core)
- Z1F Noise filter (with surge absorber)
- Option connectors
- X36A Connector adaptor power supply

**Notes:**

1. This wiring diagram only applies to the outdoor unit
2. - - - : Field wiring
3. □ : Terminal strip ⊞ : Connector
4. For use of the option adaptor, how to use BS1 ~ BS5 and DS1 switch and connection to X1M(A1P) or X3M refer to the installation manual.
5. Do not operate the unit by short-circuiting protection device S1PH, S2PH
6. BLK: Black / WHT: White / RED: Red / BLU: Blue  
 GRY: Grey / BRN: brown / GRN: Green / YLU: Yellow /  
 PNK: Pink

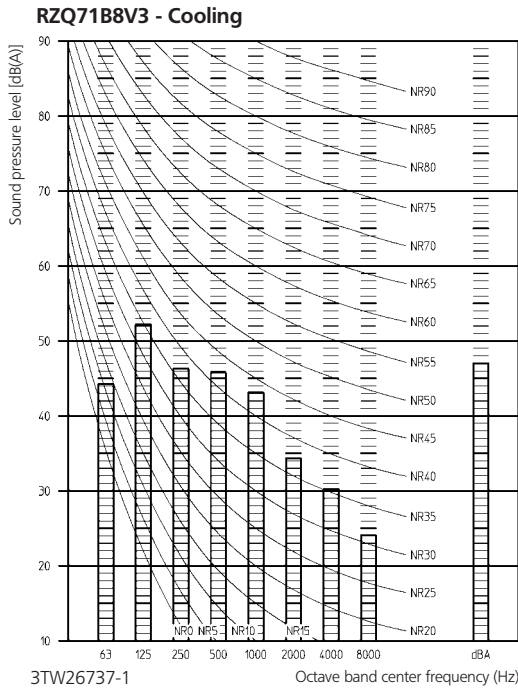


2TW26566-1

# 9 Sound data

## 9 - 1 Sound pressure spectrum

9

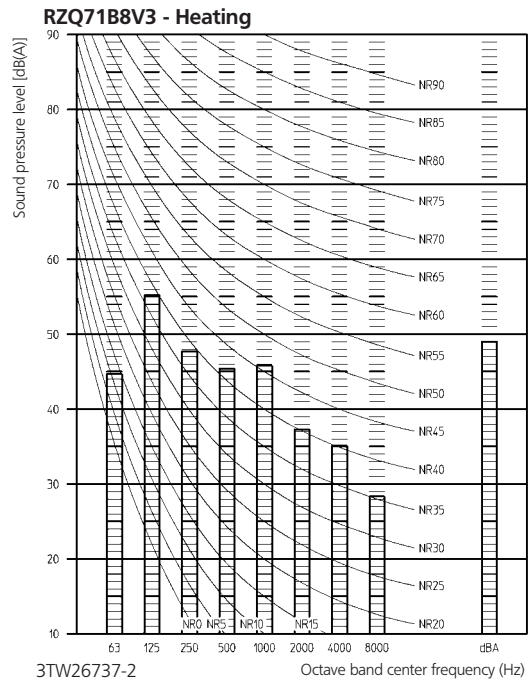


3TW26737-1

### NOTES

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

Measuring location  
(discharge side)

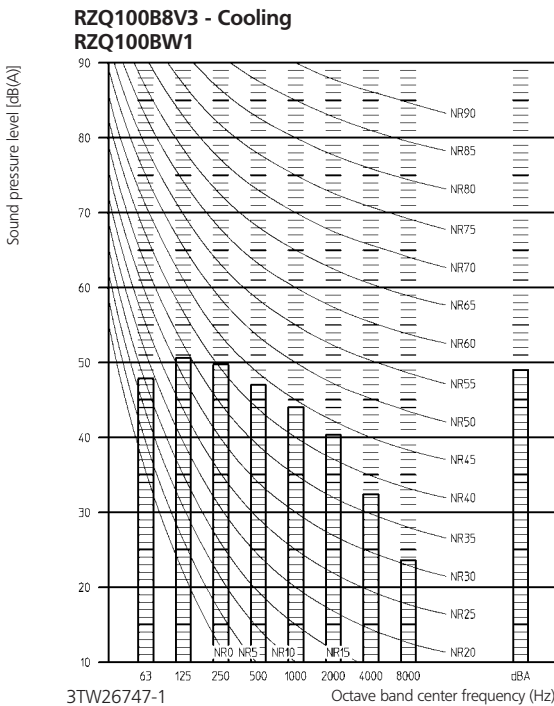


3TW26737-2

### NOTES

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

Measuring location  
(discharge side)

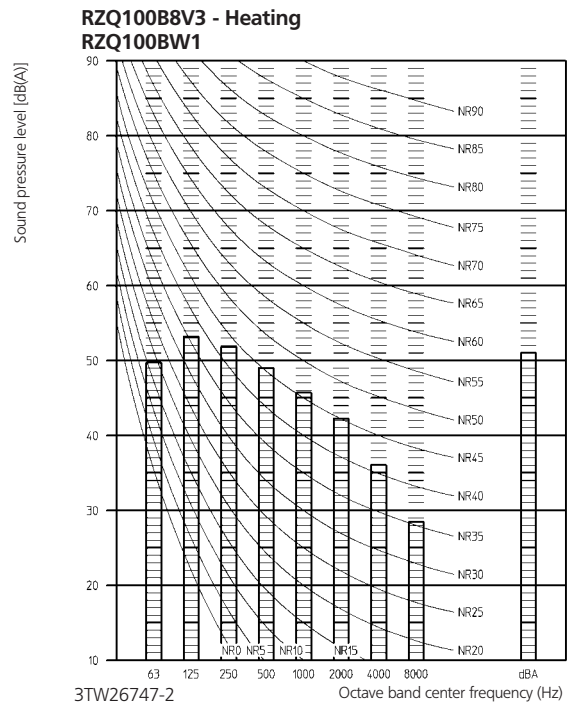


3TW26747-1

### NOTES

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

Measuring location  
(discharge side)



3TW26747-2

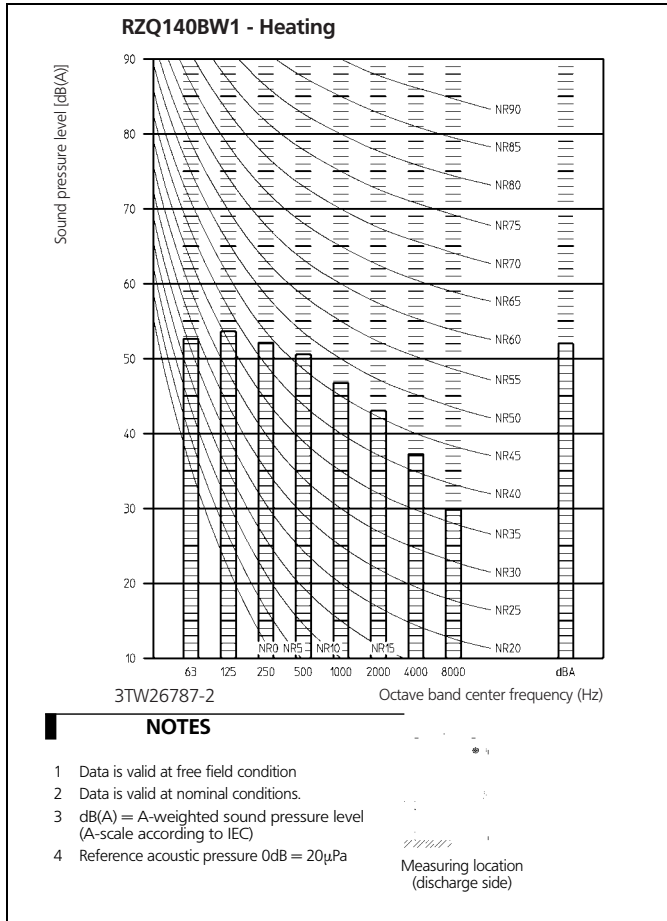
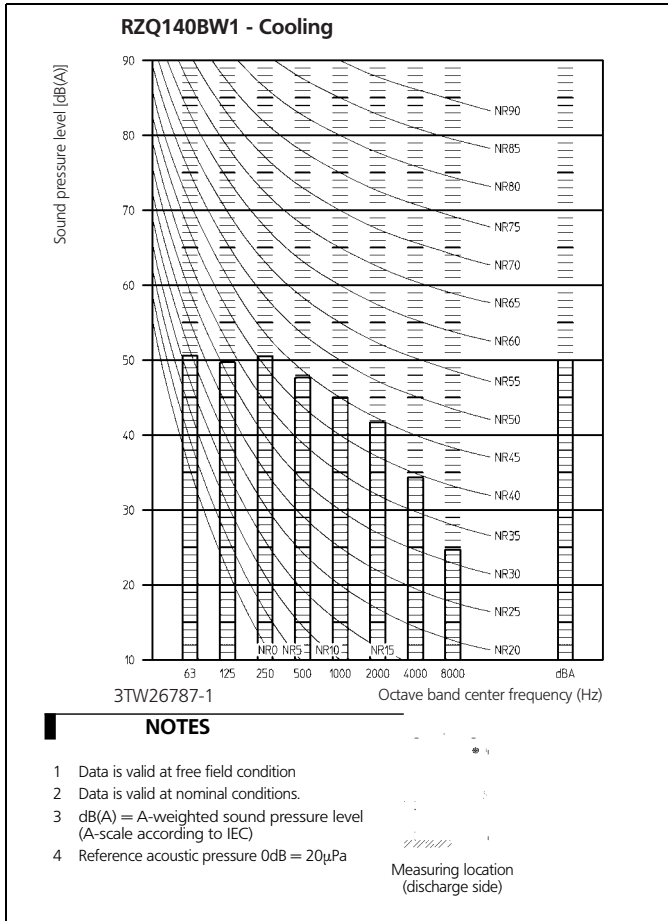
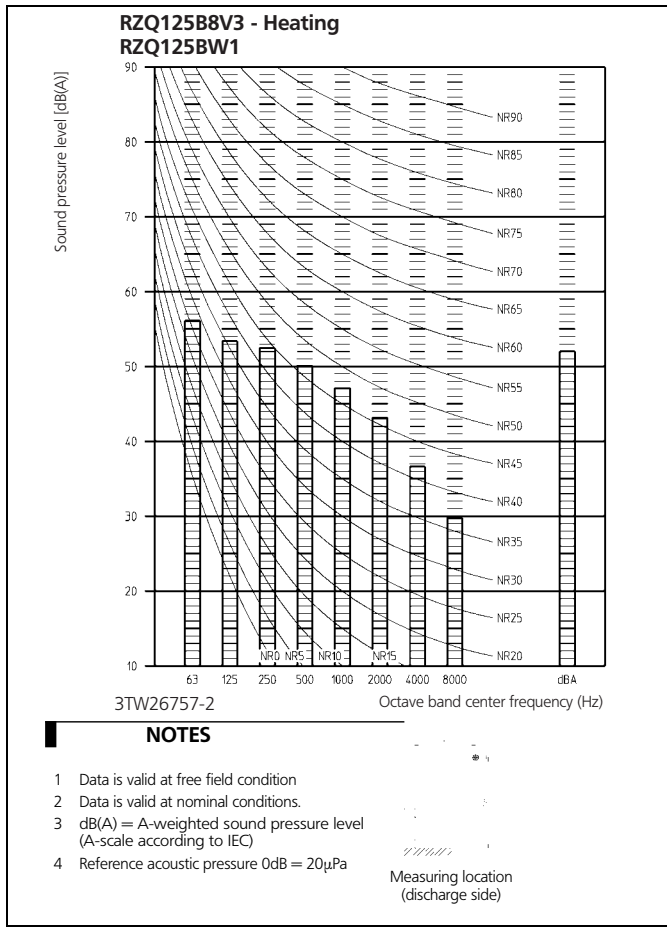
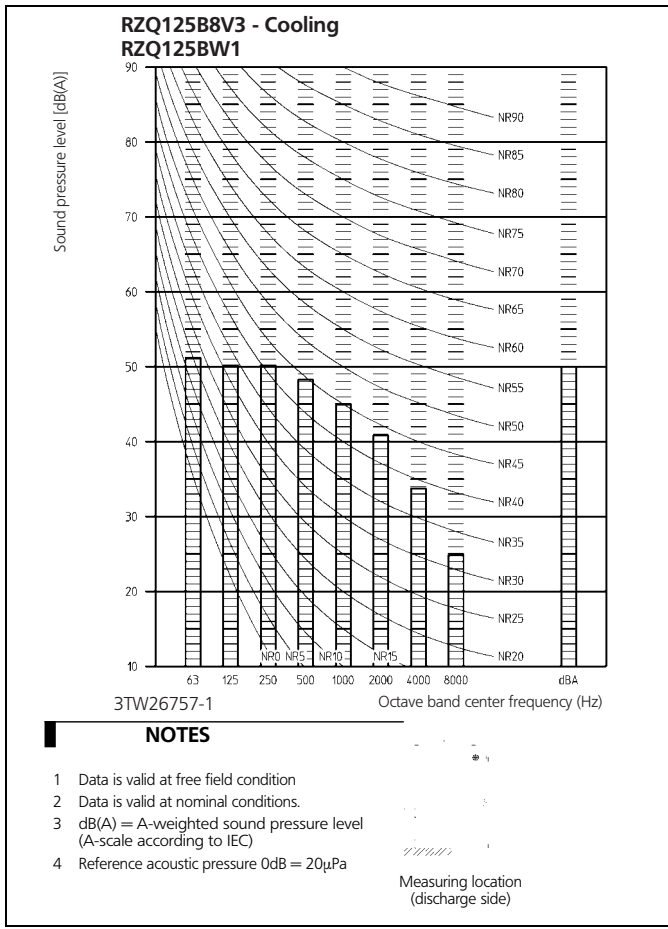
### NOTES

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

Measuring location  
(discharge side)

# 9 Sound data

## 9 - 1 Sound pressure spectrum

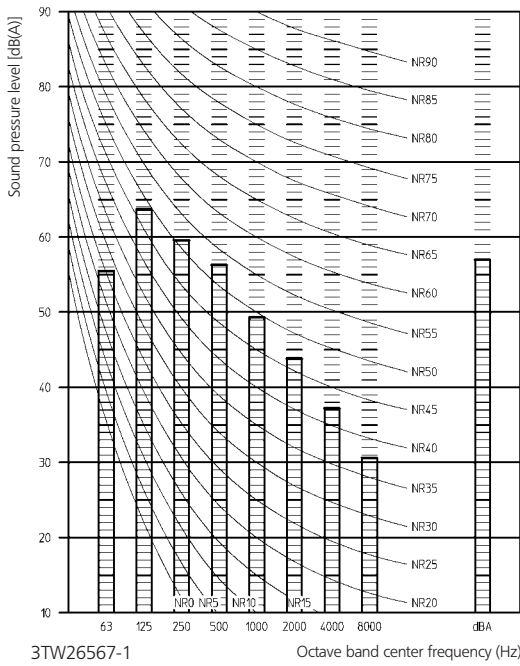


# 9 Sound data

## 9 - 1 Sound pressure spectrum

9

**RZQ200B**

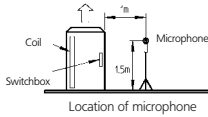


3TW26567-1

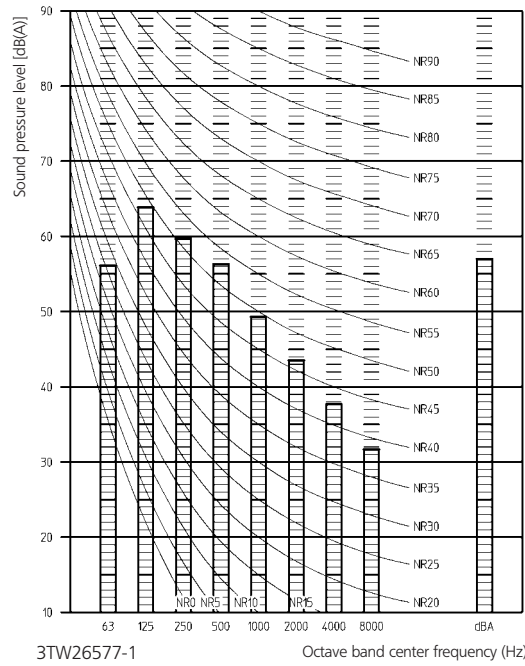
Octave band center frequency (Hz)

**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 = 20μPa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



**RZQ250B**

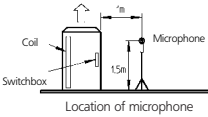


3TW26577-1

Octave band center frequency (Hz)

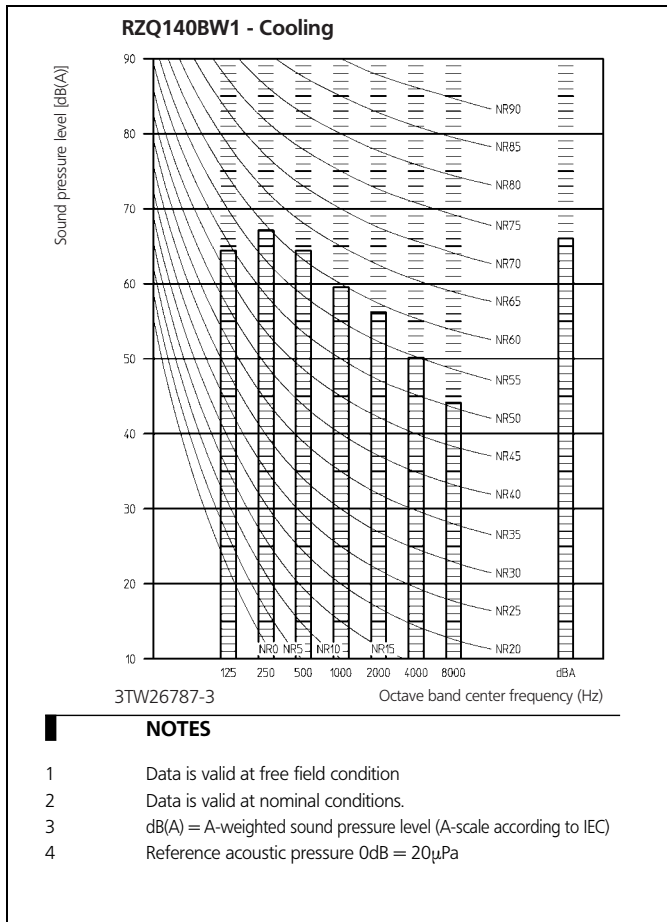
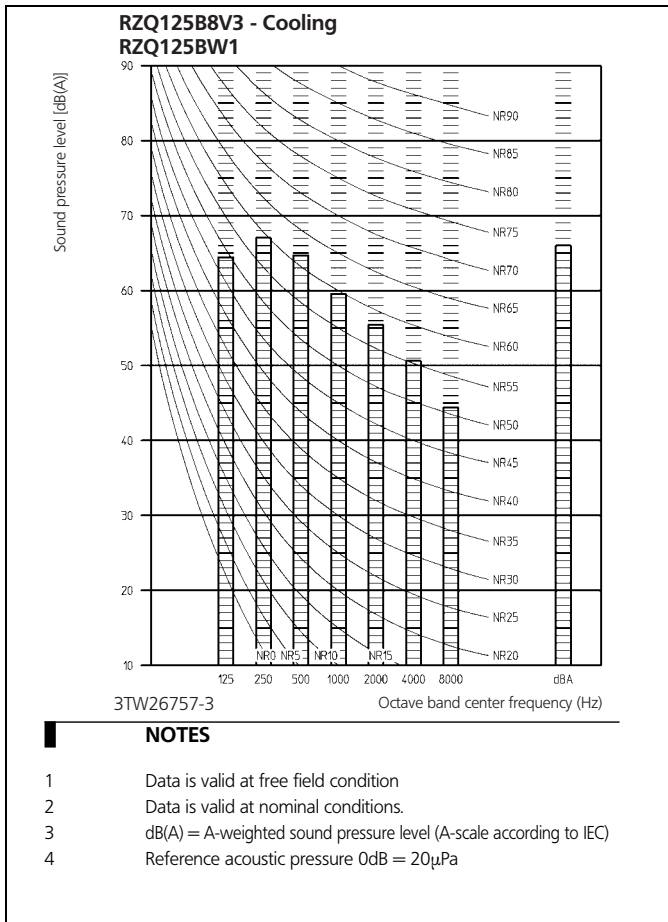
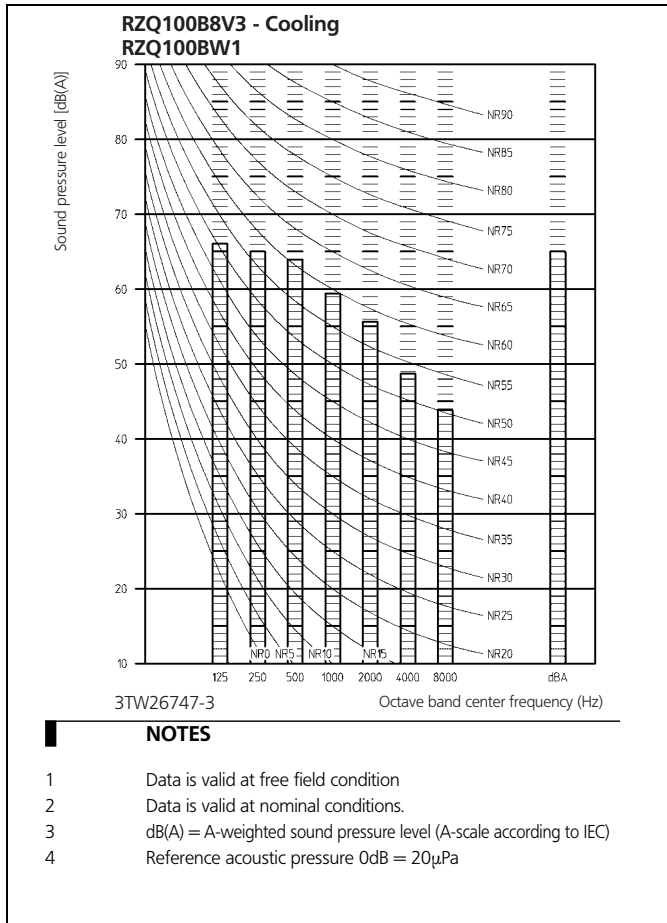
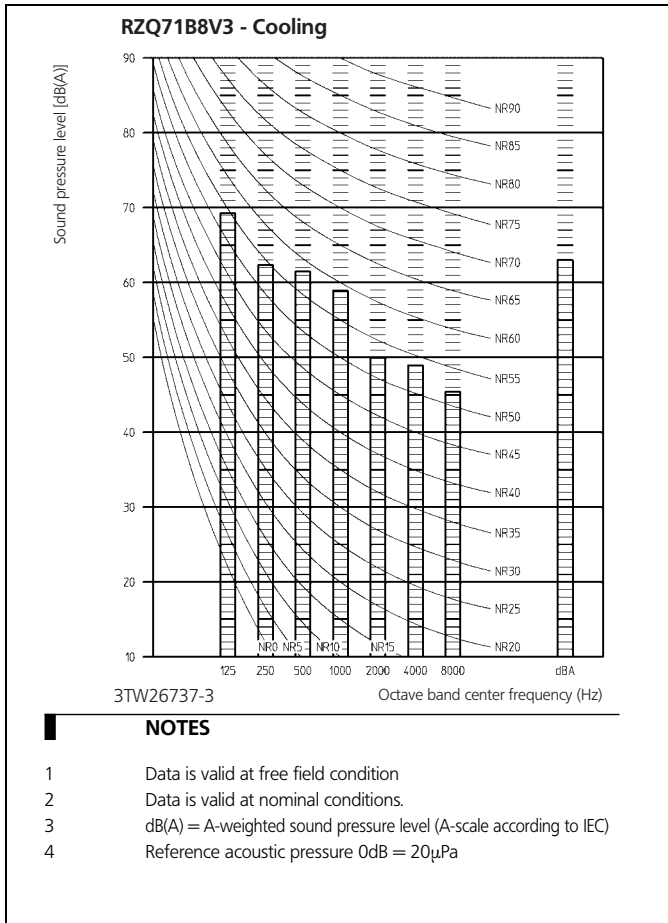
**NOTES**

- 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 = 20μPa
- 4 If sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



# 9 Sound data

## 9 - 2 Sound power spectrum

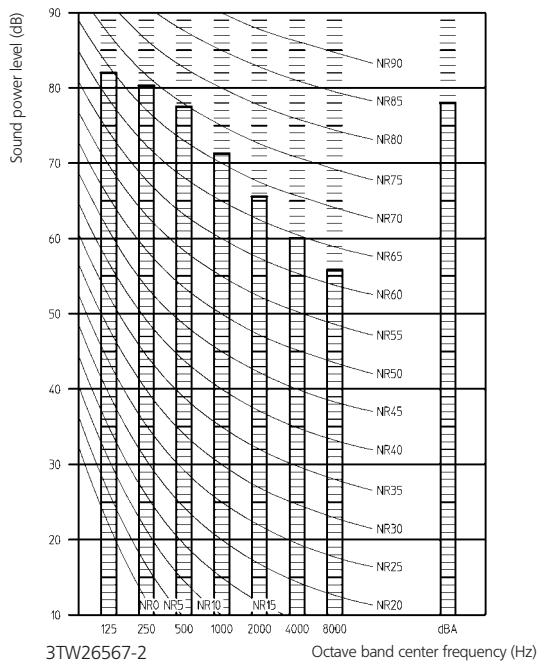


# 9 Sound data

## 9 - 2 Sound power spectrum

9

**RZQ200B**

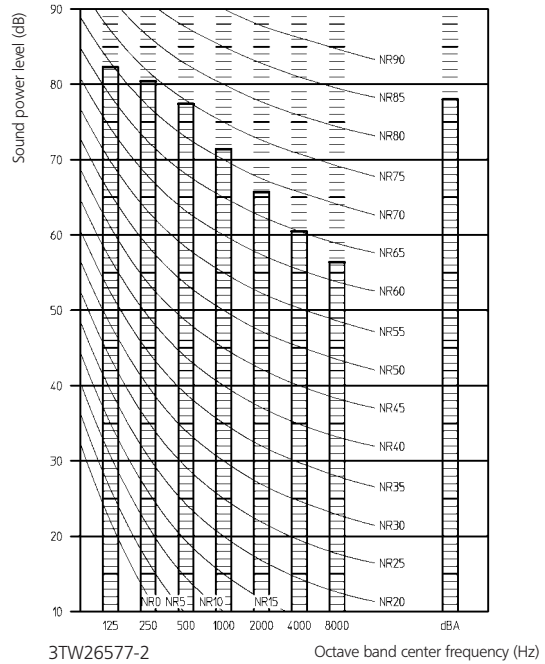


3TW26567-2

**NOTES**

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

**RZQ250B**



3TW26577-2

**NOTES**

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

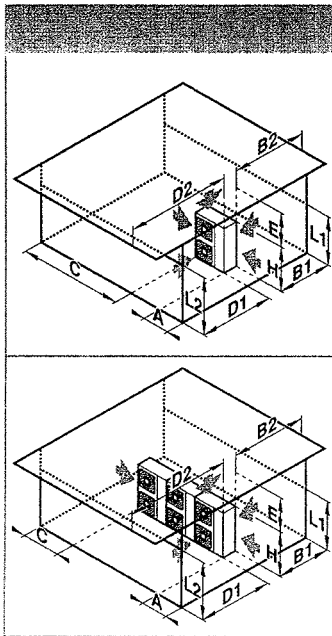
# 10 Installation

## 10 - 1 Installation method

### RZQ71~140B

#### A. Non stacked installation

#### Legend



	←	→	↖	↗		A	B1	B2	C	D1	D2	E	L1/L2
✓	✓	✓	✓	✓		≥50(100)							
✓		✓	✓			≥100	≥100		≥100				
✓	✓	✓	✓	✓		≥150	≥150		≥150		≤500	≥1000	
✓	✓		✓							≥500			
✓	✓		✓					≤500		≥500		≥1000	
✓	✓		✓		L1<L2	≥50(100)				≥500			
✓	✓		✓		L2<L1	≥50(100)				≥500			
✓	✓		✓		L1<L2	L1≤H	≥150(250)	≤500		≥750	≥1000		0<L1≤1/2H 0<L1≤1/2H
✓	✓		✓		L2≤H	≥50(100)			L1≤H	≥500	≥1000		0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓		L2<L1	≥100(200)	≥100(200)			≥500 (1000)	≥500	≥1000	0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓						L2≤H				
✓	✓		✓			≥200	≥200(300)		≥1000				
✓	✓		✓			≥200	≥200(300)		≥1000		≤500	≥1000	
✓	✓		✓					≤500		≥1000		≥1000	
✓	✓		✓		L1<L2	≥200(300)				≥1000			0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓		L2<L1	≥150(250)	≥200(300)			≥1000 (1500)			0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓		L1<L2	L1≤H	≥200(300)	≤500		≥1000	≥1000		0<L1≤1/2H 1/2H<L1≤H
✓	✓		✓		L2≤H	≥150(250)			L1≤H	≥1250			0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓		L2<L1	≥200(300)	≥200(300)			≥1000 (1500)	≤500	≥1000	0<L2≤1/2H 1/2H<L2≤H
✓	✓		✓						L2≤H				

- ← Suction side obstacle
- Discharge side obstacle
- ↖ Left side obstacle
- ↗ Right side obstacle
- ↕ Top side obstacle
- ✓ Obstacle is present

In these cases, close the bottom of the installation frame to prevent discharged air from being bypassed.

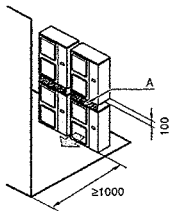
In these cases, only 2 units can be installed.

This situation is not allowed.

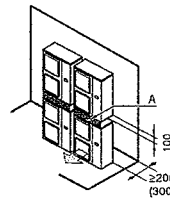
Figures between ( ) indicate the dimensions only for the 100-125-140 class models.

#### B. Stacked installation

##### 1. Obstacles exist in front of the outlet side



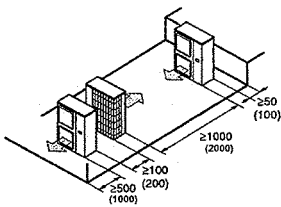
##### 2. Obstacles exist in front of the air inlet



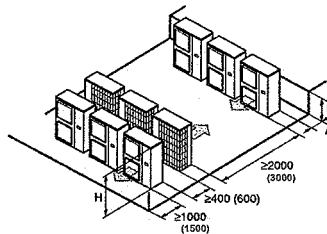
Do not stack more than one unit.  
About 100mm is required as the dimension for laying the upper outdoor unit's drain pipe.  
Get the portion A sealed so that air from the outlet does not bypass.

#### C. Multiple-row installation

##### 1. Installation of one unit per row



##### 2. Installing multiple units (2 units or more) in lateral connection per row



Relation of dimensions of H, A, and L are shown in the table below.

	L	A
L ≤ H	0 < L ≤ 1/2 H	150 (250)
	1/2 H < L	200 (300)
H < L	Installation impossible	

3TW26739-4





# 10 Installation

## 10 - 2 Refnet pipe systems

Liquid side junction			Discharge gas side header			Liquid side header			Discharge gas side junction			Liquid side junction		
KHP22M64T7			KHP22M517			KHP22M517			KHP22M517			KHP22M64T7		
KHP22M201A7			KHP22M2917			KHP22M201A7			KHP22M2917			KHP22M64T7		
KHP22M201A7			KHP22M2917			KHP22M201A7			KHP22M2917			KHP22M64T7		
KHP22M2917			KHP22M2917			KHP22M2917			KHP22M2917			KHP22M64T7		
KHP22M2917			KHP22M2917			KHP22M2917			KHP22M2917			KHP22M64T7		
KHP22M303T7			KHP22M303T7			KHP22M303T7			KHP22M303T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		
KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7			KHP22M64T7		

Closed pipes	

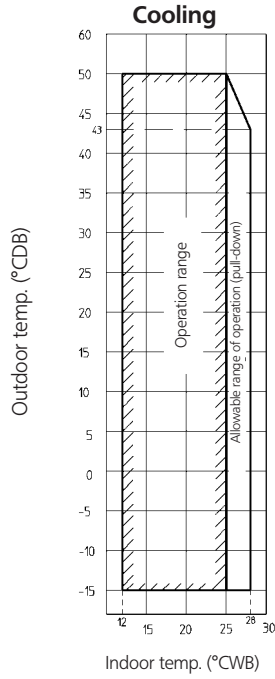
Reducers - Expanders	

1TW25799-1E

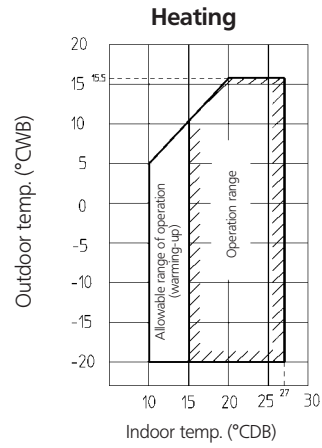
# 11 Operation range

11

## RZQ71-100-125-140B



Model name	
RZQ71B8V3	RZQ100BW1
RZQ100B8V3	RZQ125BW1
RZQ125B8V3	RZQ140BW1

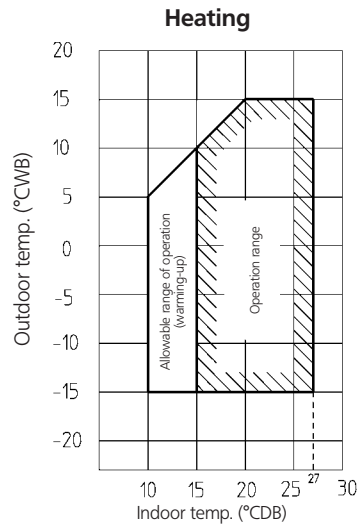
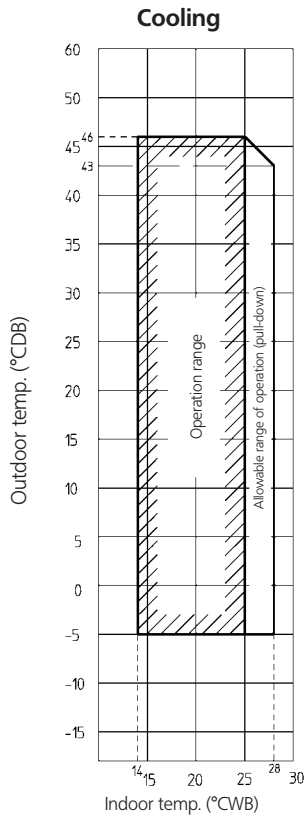


**Notes:**

- 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.

3TW26733-1

## RZQ200-250B



4TW26566-1

# Split - Sky Air

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