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technical data



RZQ-B9V3B_RZQ-B8W1B

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

air conditioning systems

Split
Sky Air

TABLE OF CONTENTS

1	Features	2
2	Specifications	3
	Nominal Capacity and Nominal Input	3
	Technical Specifications	4
	Electrical Specifications	6
3	Electrical data	8
4	Options	11
5	Capacity tables	12
	Combination table	12
	Cooling capacity tables	14
	Heating capacity tables	23
6	Dimensional drawing & centre of gravity	31
	Dimensional drawing	31
	Centre of gravity	34
7	Piping diagram	35
8	Wiring diagram	40
	Wiring diagram	40
9	Sound data	42
	Sound pressure spectrum	42
	Sound power spectrum	45
10	Installation	47
	Installation method	47
	Refnet pipe systems	48
11	Operation range	50

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



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				
		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

2

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	765	765
	Packing	Height	mm	900	1475	1475	1475	1475	1475	1753	1753
		Width	mm	980	980	980	980	980	980	1055	1055
		Depth	mm	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	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	2.00	2.00
		Nr of Passes		3	5	5	5	5	5	16	16
		Face Area	m²	0.641	1.131	1.131	1.131	1.131	1.131	1.948	1.948
		Nr of Stages		34	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	Non-symmetric waffle louvre	
		Treatment		Anti-corrosion treatment (PE)							
Fan	Type			Propeller							
	Discharge direction			Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Vertical	Vertical
	Quantity			1	2	2	2	2	2	1	1
	Air Flow Rate (nominal at 230V)	Cooling	m³/min	54.50	103.0	103.0	99.0	99.0	99.0	175	175
		Heating	m³/min	48.10	101.0	101.0	100.0	100.0	100.0	175	175
	Max		Pa							60 Pa in high static pressure	
	Motor	Quantity		1	2	2	2	2	2	1	1
		Model		KFD-325-70-8A							Brushless DC
Position								Vertical	Vertical		
Motor	Speed (nominal)	Steps		8	8	8	8	8	8	8	8
		Cooling	rpm	818	789	789	782	782	782	760	760
		Heating	rpm	715	775	775	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	
		Type		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	22,2	22,2	
	Drain	Quantity		3	3	3	3	3	3			
		Type		Hole	Hole	Hole	Hole	Hole	Hole			
		Diameter (OD)	mm	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. interunit 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

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	C. 6x2
FFQ35Bx2	RZQ71B8V3	50-230		17.7	17.7	20	16.2	16.2	0.07	0.3	0.055x2	C. 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	C. 5x2
FHQ71B	RZQ71B8V3	50-230		17.1	17.1	20	16.2	16.2	0.07	0.3	0.062	0.5
FHQ35Bx2	RZQ71B8V3	50-230		17.7	17.7	20	16.2	16.2	0.07	0.3	0.062x2	C. 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	C. 6x2
FCQ35Bx3	RZQ100B8V3	50-230		25.8	25.8	32	23.4	23.4	0.07+0.07	0.3+0.3	0.045x3	C. 6x3
FFQ50Bx2	RZQ100B8V3	50-230		25.4	25.4	32	23.4	23.4	0.07+0.07	0.3+0.3	0.055x2	C. 7x2
FFQ35Bx3	RZQ100B8V3	50-230		25.8	25.8	32	23.4	23.4	0.07+0.07	0.3+0.3	0.055x3	C. 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	C. 7x2
FBQ35Bx3	RZQ100B8V3	50-230		25.5	25.5	32	23.4	23.4	0.07+0.07	0.3+0.3	0.065x3	C. 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	Max. 50Hz/253V Min. 50Hz/207V	25.2	25.2	32	23.4	23.4	0.07+0.07	0.3+0.3	0.062x2	C. 6x2
FHQ35Bx3	RZQ100B8V3	50-230		25.8	25.8	32	23.4	23.4	0.07+0.07	0.3+0.3	0.062x3	C. 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		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	C. 6x2
FCQ50Bx3	RZQ125B8V3	50-230		25.8	25.8	32	23.4	23.4	0.07+0.07	0.3+0.3	0.045x3	C. 6x3
FCQ35Bx4	RZQ125B8V3	50-230		25.4	26.4	32	23.4	23.4	0.07+0.07	0.3+0.3	0.045x4	C. 6x4
FFQ60Bx2	RZQ125B8V3	50-230		25.4	25.4	32	23.4	23.4	0.07+0.07	0.3+0.3	0.055x2	C. 7x2
FFQ50Bx3	RZQ125B8V3	50-230	Max. 50Hz/253V Min. 50Hz/207V	26.1	26.1	32	23.4	23.4	0.07+0.07	0.3+0.3	0.055x3	C. 7x3
FFQ35Bx4	RZQ125B8V3	50-230		26.4	26.4	32	23.4	23.4	0.07+0.07	0.3+0.3	0.055x4	C. 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		25.9	25.9	32	23.4	23.4	0.07+0.07	0.3+0.3	0.125x2	C. 9x2
FBQ50Bx3	RZQ125B8V3	50-230		26.1	26.1	32	23.4	23.4	0.07+0.07	0.3+0.3	0.085x3	C. 7x3
FBQ35Bx4	RZQ125B8V3	50-230		26.0	26.0	32	23.4	23.4	0.07+0.07	0.3+0.3	0.065x4	C. 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	C. 6x2
FHQ50Bx3	RZQ125B8V3	50-230		25.8	25.8	32	23.4	23.4	0.07+0.07	0.3+0.3	0.062x3	C. 6x3
FHQ35Bx4	RZQ125B8V3	50-230		26.4	26.4	32	23.4	23.4	0.07+0.07	0.3+0.3	0.062x4	C. 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
FCQ125B	RZQ125B8V3	50-230		26.2	26.2	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		Power supply					Comp.		OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	TOCA	MFA	MSC	RLA	KW	FLA	KW	FLA
FCQ100D	RZQ100BW1	50-400		14.2	14.2	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.120		0.7
FCQ100B	RZQ100BW1	50-400		14.5	14.5	20	12.9	12.9	0.0710, 0.070, 3+0.3	0.090		1.0
FCQ50Bx2	RZQ100BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x2		0.6x2
FCQ35Bx3	RZQ100BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x3		0.6x3
FFQ50Bx2	RZQ100BW1	50-400		14.9	14.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x2		0.7x2
FFQ35Bx3	RZQ100BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x3		0.6x3
FBQ100B	RZQ100BW1	50-400		14.5	14.5	20	12.9	12.9	0.0710, 0.070, 3+0.3	0.135		1.0
FBQ50Bx2	RZQ100BW1	50-400		14.9	14.9	20	12.9	12.9	0.0710, 0.070, 3+0.3	0.085x2		0.7x2
FBQ35Bx3	RZQ100BW1	50-400		15.0	15.0	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.065x3		0.5x3
FHQ100B	RZQ100BW1	50-400		14.2	14.2	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.130		0.7
FHQ50Bx2	RZQ100BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x2		0.6x2
FHQ35Bx3	RZQ100BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x3		0.5x3
FAQ100B	RZQ100BW1	50-400		13.9	13.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.049		0.4
FUQ100B	RZQ100BW1	50-400		14.6	14.6	20	12.9	12.9	0.0710, 0.070, 3+0.3	0.090		1.1
FCQ125D	RZQ125BW1	50-400		14.2	14.2	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.120		0.7
FCQ125B	RZQ125BW1	50-400		14.5	14.5	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.090		1.0
FCQ50Bx2	RZQ125BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x2		0.6x2
FCQ35Bx3	RZQ125BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x3		0.6x3
FCQ35Bx4	RZQ125BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x4		0.6x4
FFQ50Bx2	RZQ125BW1	50-400		14.9	14.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x2		0.7x2
FFQ35Bx3	RZQ125BW1	50-400		15.6	15.6	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x3		0.7x3
FFQ35Bx4	RZQ125BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x4		0.6x4
FBQ125B	RZQ125BW1	50-400		14.9	14.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.225		1.4
FBQ50Bx2	RZQ125BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.125x2		0.9x2
FBQ50Bx3	RZQ125BW1	50-400		15.6	15.6	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.085x3		0.7x3
FBQ35Bx4	RZQ125BW1	50-400		15.5	15.5	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.065x4		0.5x4
FHQ125B	RZQ125BW1	50-400		14.2	14.2	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.130		0.7
FHQ50Bx2	RZQ125BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x2		0.6x2
FHQ50Bx3	RZQ125BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x3		0.6x3
FHQ35Bx4	RZQ125BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x4		0.6x4
FUQ125B	RZQ125BW1	50-400		14.6	14.6	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.090		1.1
FUQ125B	RZQ125BW1	50-400		17.7	17.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.530		4.2
FCQ140D	RZQ140BW1	50-400		14.2	14.2	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.120		0.7
FCQ71Bx2	RZQ140BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x2		0.6x2
FCQ50Bx3	RZQ140BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x2		0.6x2
FCQ35Bx4	RZQ140BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.045x4		0.6x4
FFQ50Bx3	RZQ140BW1	50-400		15.6	15.6	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x3		0.7x3
FFQ35Bx4	RZQ140BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.055x4		0.6x4
FBQ71Bx2	RZQ140BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.125x2		0.9x2
FBQ50Bx3	RZQ140BW1	50-400		15.6	15.6	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.085x3		0.7x3
FBQ35Bx4	RZQ140BW1	50-400		15.5	15.5	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.065x4		0.5x4
FHQ71Bx2	RZQ140BW1	50-400		14.7	14.7	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x2		0.6x2
FHQ50Bx3	RZQ140BW1	50-400		15.3	15.3	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x3		0.6x3
FHQ35Bx4	RZQ140BW1	50-400		15.9	15.9	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.062x4		0.6x4
FAQ71Bx2	RZQ140BW1	50-400		14.1	14.1	20	12.9	12.9	0.0740, 0.070, 3+0.3	0.043x2		0.3x2
FLQ71Bx2	RZQ140BW1	50-400		14.9	14.9	20	12.9	12.9	0.0740, 0.070, 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

- 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°CDB
Outdoor temperature 7.0°CDB/6.0°CWB
- TOCA means the total value of each OC set
- Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed operation range limits
- Maximum allowable voltage unbalance between phases is 2%
- MCA represents maximum input current, MFA represents capacity which may accept MCA (next lower standard fuse rating, min.15A)
- Select wire size based on the larger value of MCA or TOCA
- MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker)
- 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.daikin-europe.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			

3TW26739-1A

Available options for RZQ200,250BW

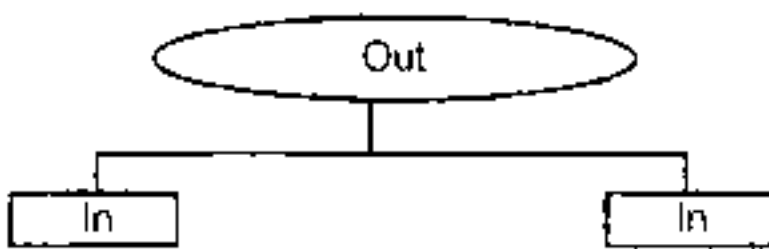
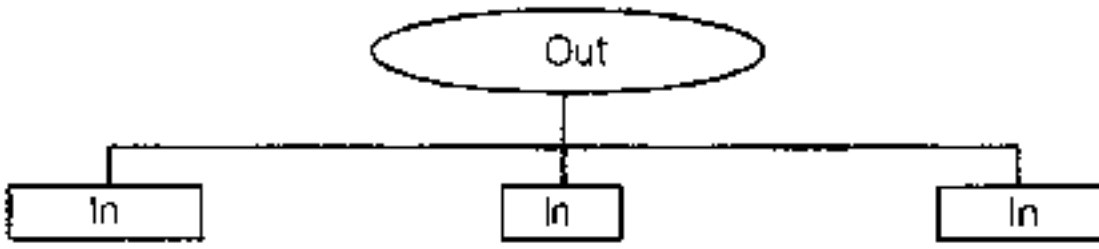
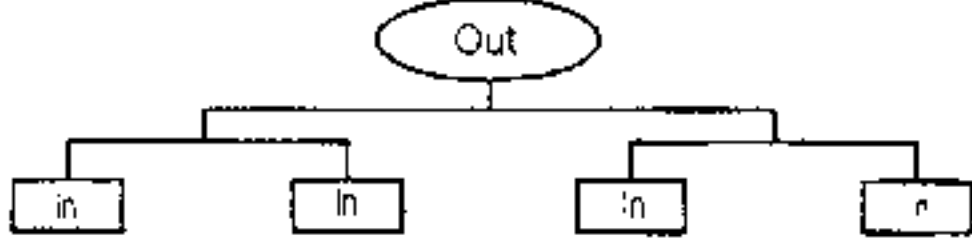
Name of option		Kit name	
		RZQ200BW	RZQ250BW
Central drain pan kit		KWC26B280	
Refrigerant branch piping	Twin	KHRQ22M20TA	
	Triple	KHRQ250H7	
	Double twin	KHRQ22M20TA (3x)	

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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)

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NOTES

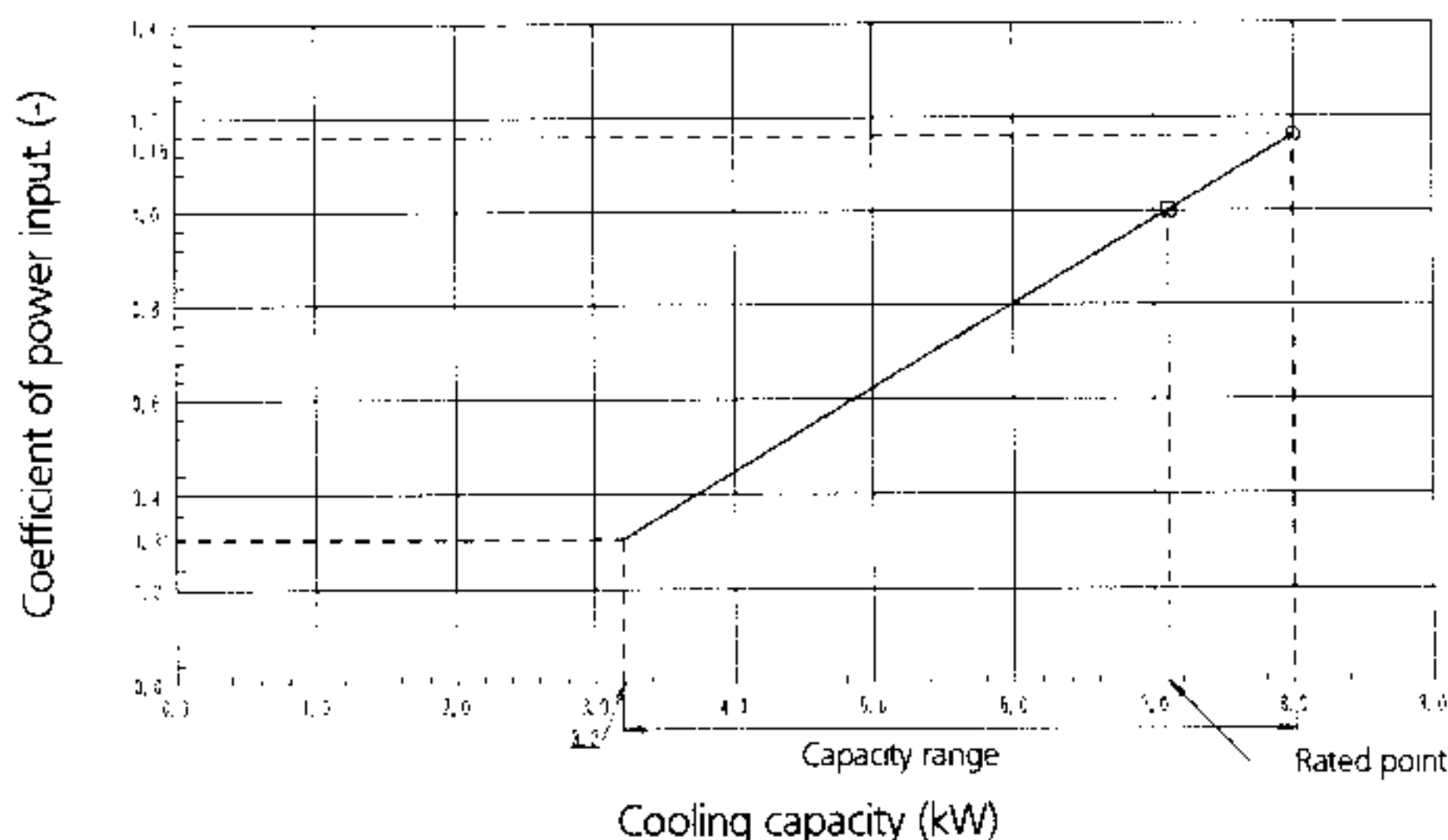
- Possible indoor units: FCQ50-125, FFQ50-60, FHQ50-125, FBQ50-125, FAQ71-100, FUQ71-125, FDQ125
- Individual indoor capacities are not given because the combinations are for simultaneous operation (=indoor units installed in same room).
- When different indoor models are used in combination, designate the infrared remote 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).
- Between brackets are the required Refnet kits mentioned, that are necessary to install the combination.

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ71B8V3 (Pair + Multi)

Cooling



Cooling capacity

230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
		(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)
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

3D048602A

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 (m³/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 value 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 ³ /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

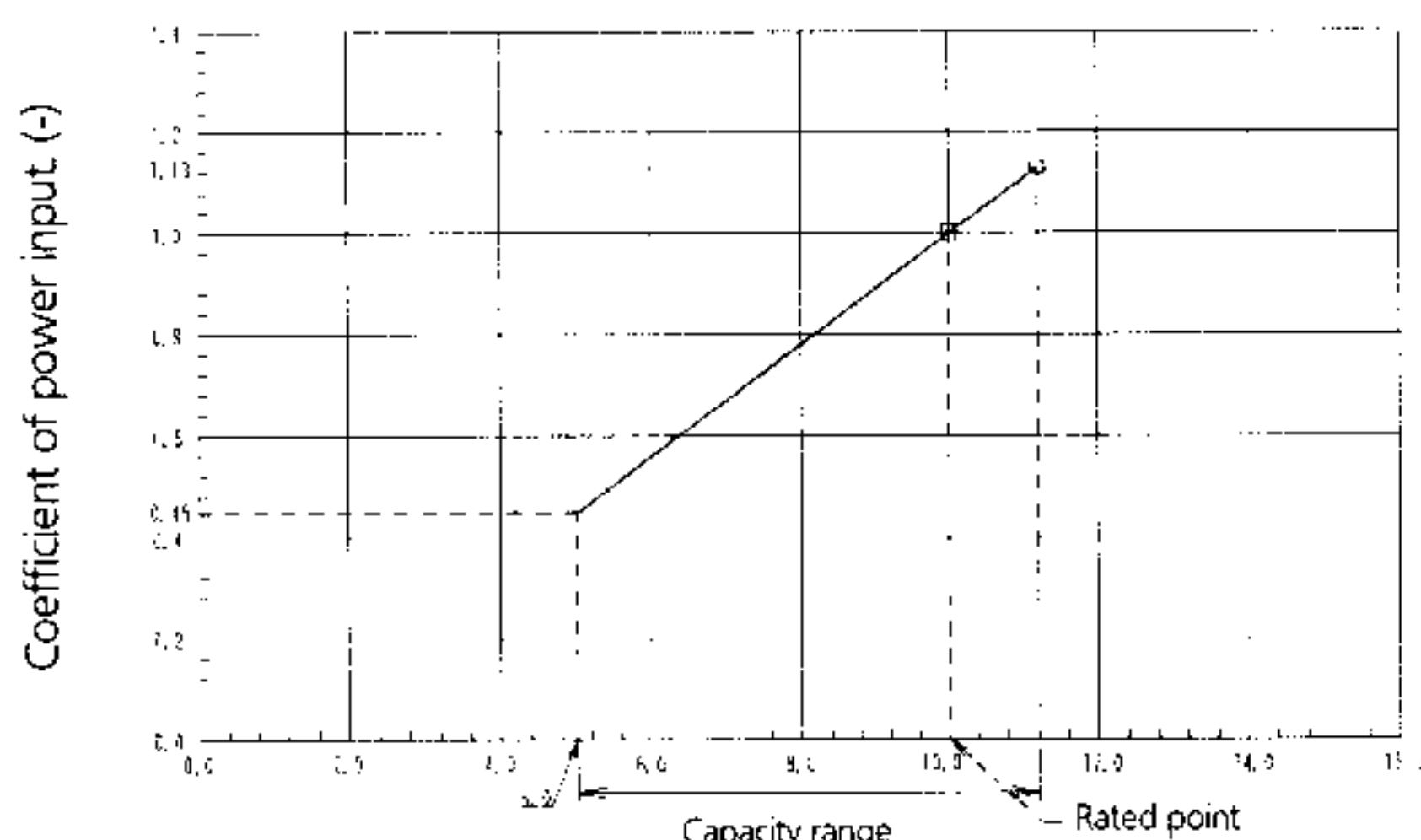
Model	FCQ35Bx2	FFQ35x2	FBQ35x2	FHQ35x2
Cooling	2.27	2.29	2.25	2.53
Heating	2.69	2.64	2.20	2.81

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

3D048603

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

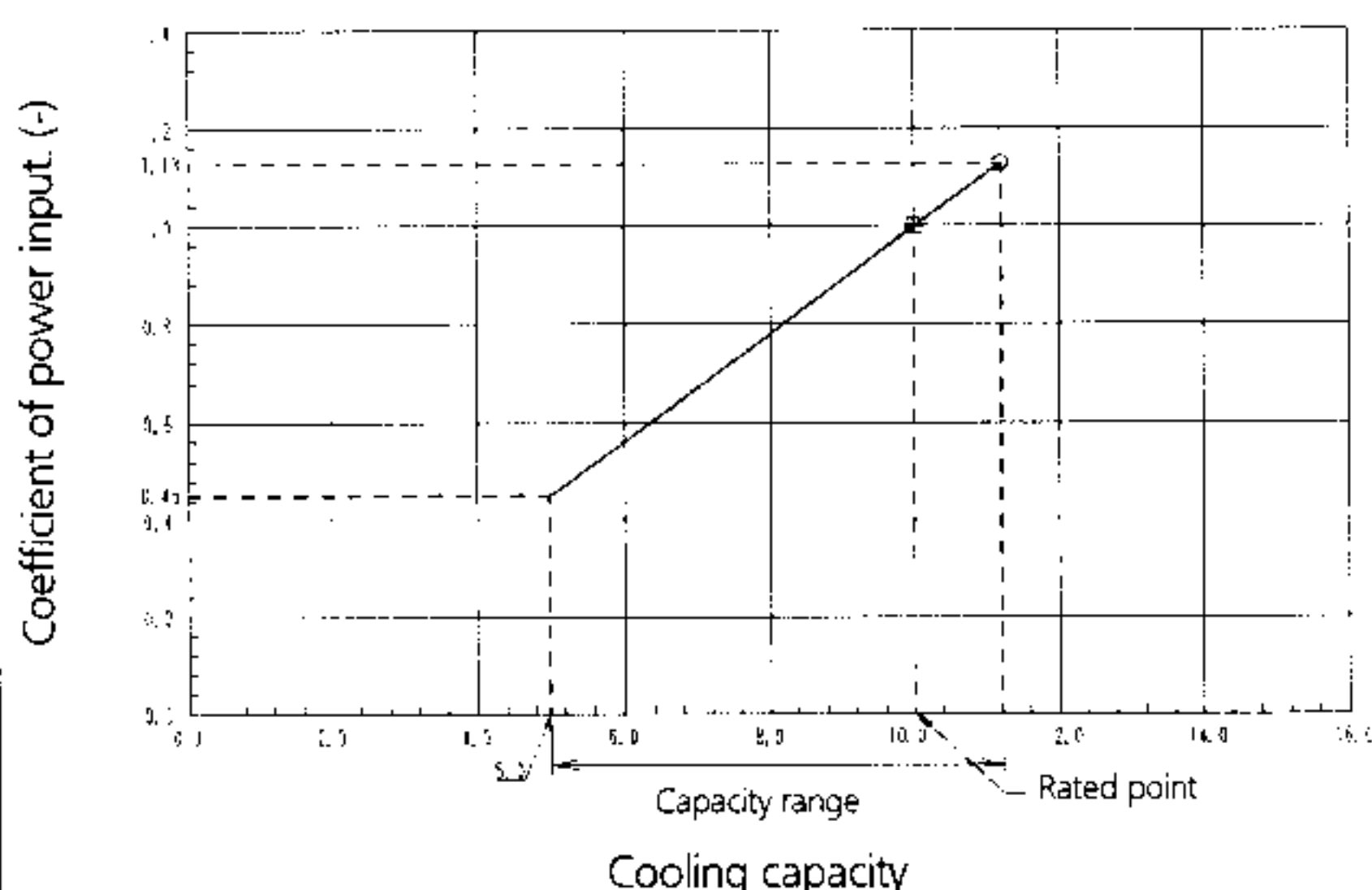
Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ100BW1 (Pair + Twin/triple)

Cooling



Cooling capacity

400V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
		(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)	(kW)	(kW)	(-)
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

3D048605

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 (m³/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 ³ /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

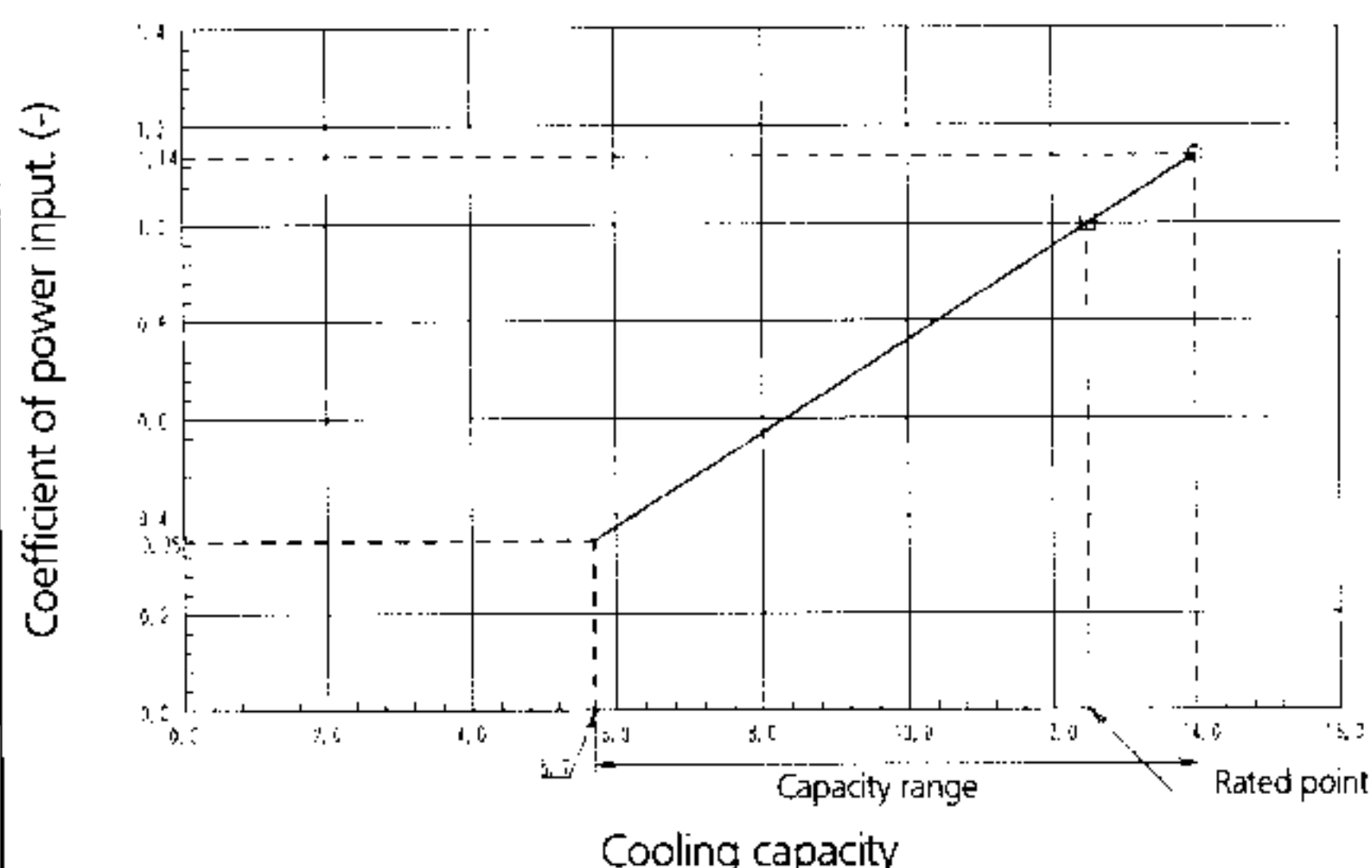
Model	FCQ35Bx3	FFQ35x3	FBQ35x3	FHQ35x3
Cooling	2.78	2.79	3.01	3.32
Heating	3.31	3.21	3.16	3.79

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ125B8V3 (Pair + Twin / triple / double twin)

Cooling



Cooling capacity

230V [50Hz]

Indoor		Outdoor temp. (°CDB)											
EWB	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	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* = $0.02 \times \text{AFR} (\text{m}^3/\text{min}) \times (1 - \text{BF}) \times (\text{DB*} - \text{EDB})$
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 ³ /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

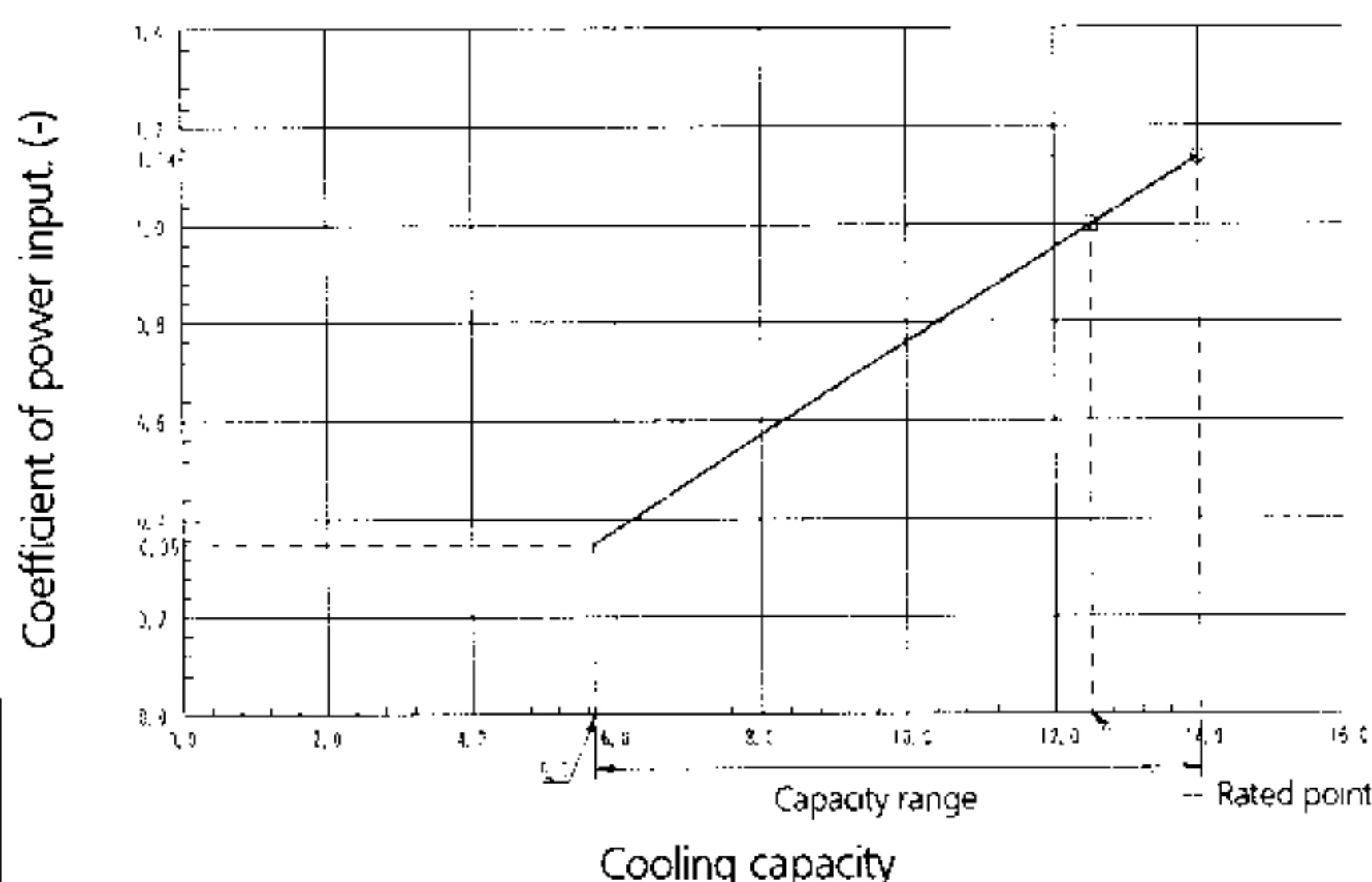
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ125BW1 (Pair + Twin / triple / double twin)

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	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

3D048606A

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* = $0.02 \times \text{AFR (m}^3/\text{min.)} \times (1 - \text{BF}) \times (\text{DB*} - \text{EDB})$
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 ³ /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

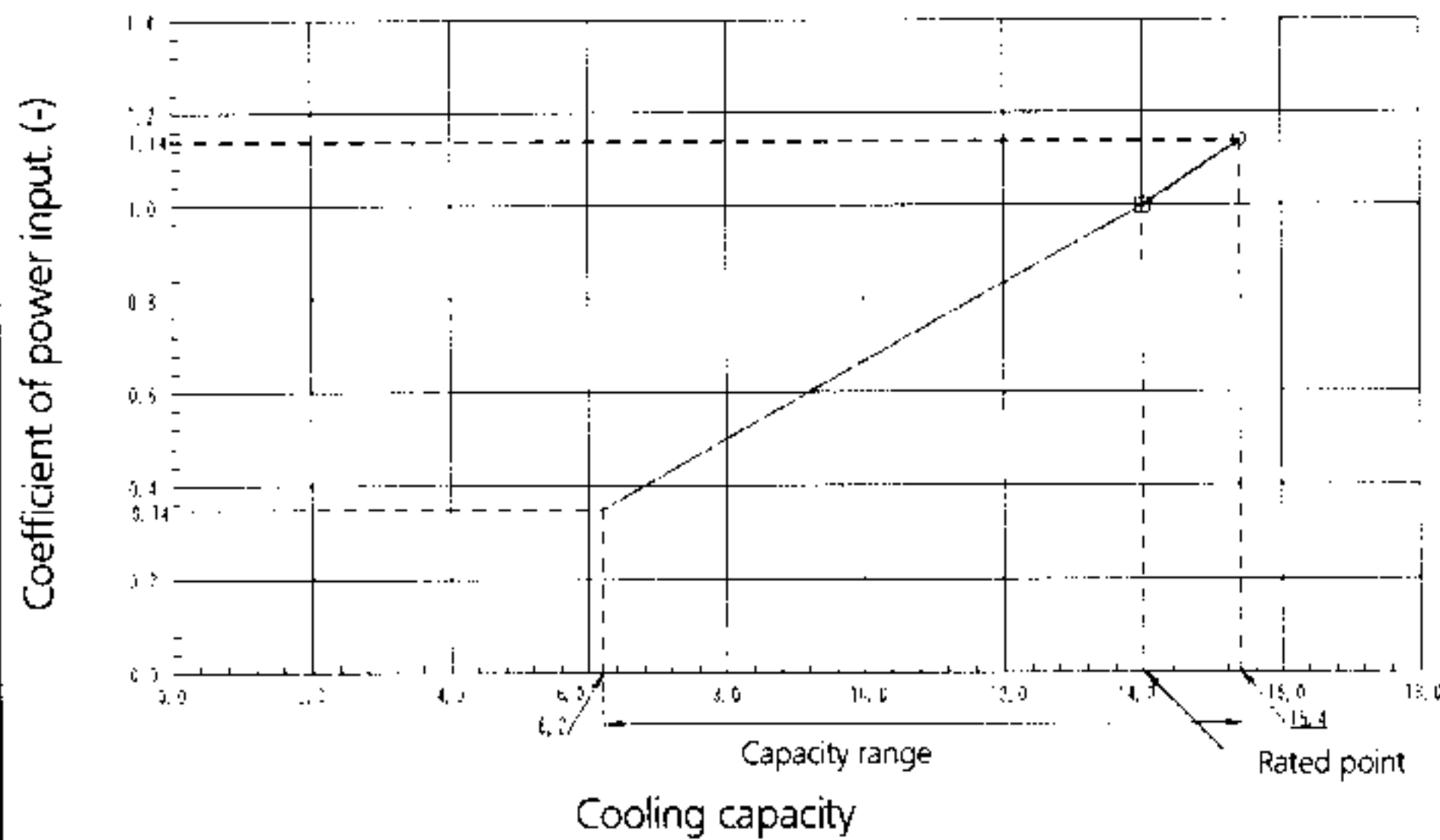
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.08	4.13	4.19	4.45
Heating	4.59	4.26	4.20	4.74

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ140BW1 (Pair + Twin / triple / double twin)

Cooling



Cooling capacity

400V [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	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 (m³/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	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 ³ /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

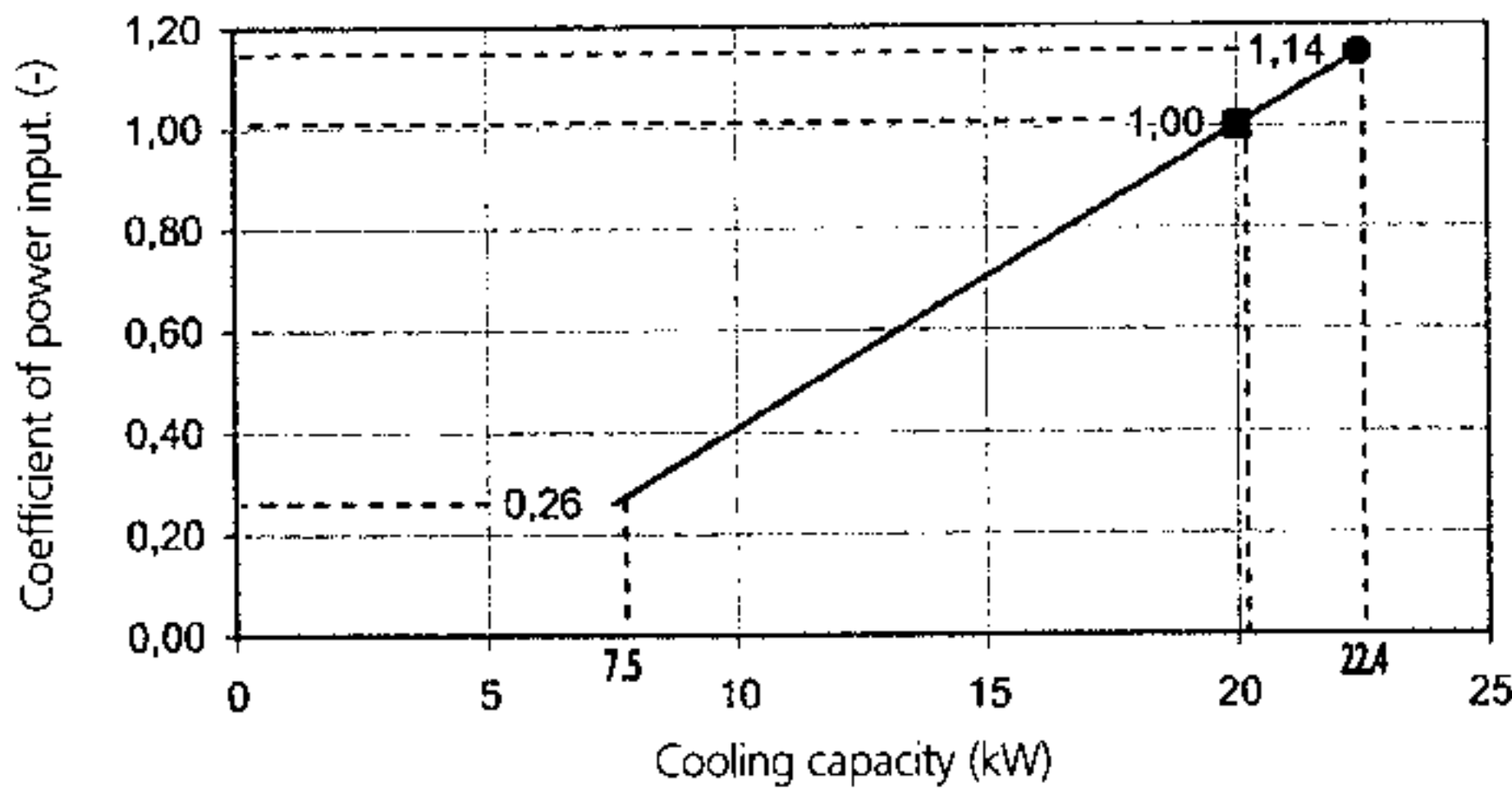
Model	FCQ35Bx4	FFQ35x4	FBQ35x4	FHQ35x4
Cooling	4.81	4.86	4.95	4.99
Heating	5.52	5.11	5.06	5.69

5 Capacity tables

5 - 2 Cooling capacity tables

RZQ200BW1 (Pair / Twin / Triple / 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	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

3TW26561-2A

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
 $SHC^* = SHC \text{ correction for other dry bulb}$
 $SHC^* = 0.02 \times AFR (m^3/min.) \times (1-BF) \times (DB^*-EDB)$
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 value 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 ³ /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	FFQ60x3	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

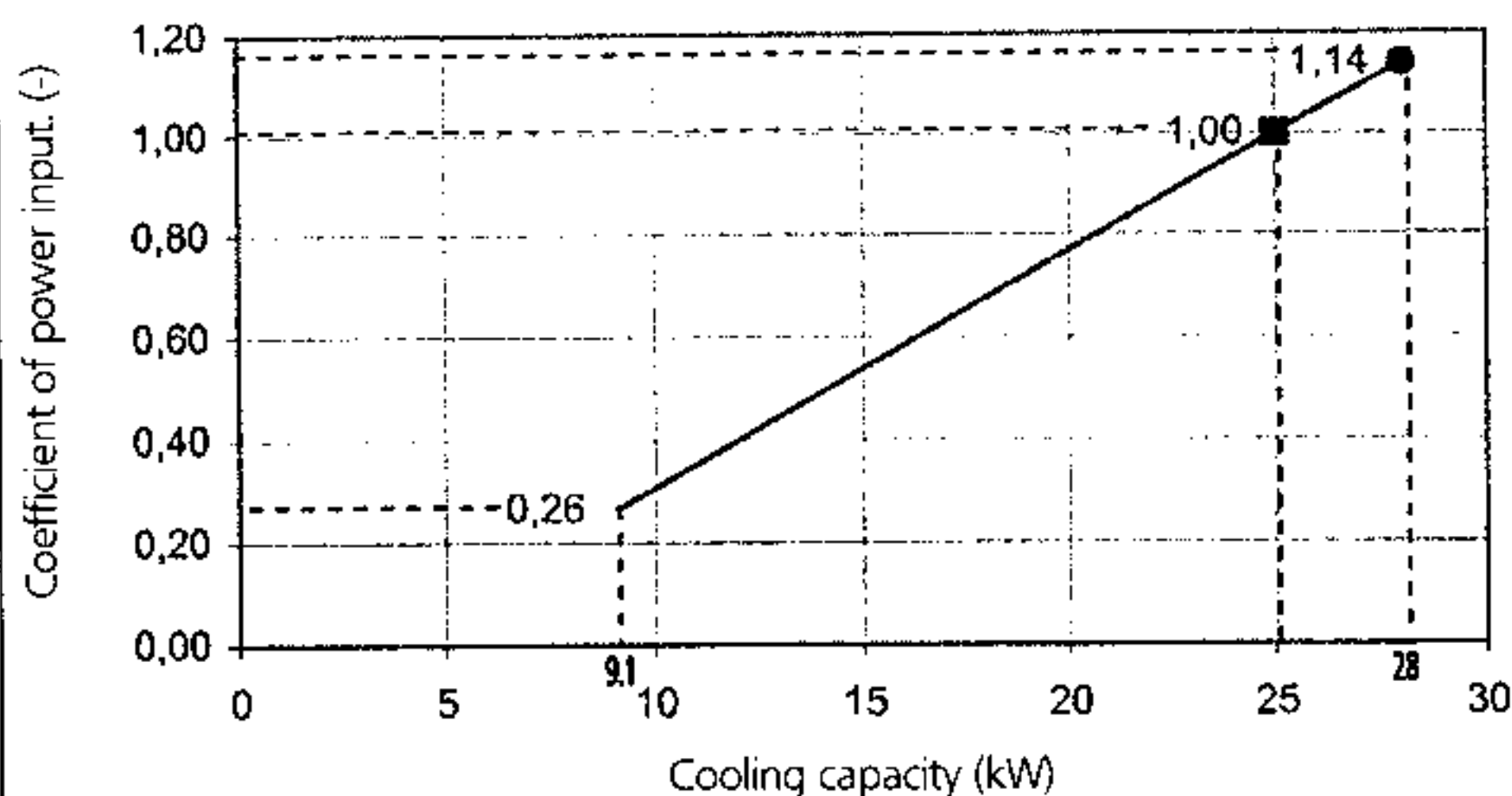
Model	FCQ50x4	FFQ50x4	FBQ50x4	FHQ50x4
Cooling	6.18	6.20	6.69	7.37
Heating	7.54	7.32	7.21	8.65

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

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

RZQ71~250B

Capacity in function of field piping length for inverter

