

SPECIFICATIONS (Contd.)

Ceiling Mounted 3 x 3 Cassette Type (Cooling Only)



Model				Indoor	FCVF18ARV16	FCVF24ARV16	FCVF30ARV16	FCVF36ARV16	FCVF42ARV16	FCVF48ARV16
				Outdoor	RGVF18ARV16	RGVF24ARV16	RGVF30ARV16	RGVF36ARV16	RGVF42ARV16	RGVF48ARV16
Remote	Wireless	Optional	BRC52B62							
	Wired	Optional	BRC51A62							
Panel Code	Model Number		BC50F3XW6							
Nominal Cooling Capacity			Tonnage	1.5	1.9	2.4	2.7	3.5	3.8	
			Btu/hr	18084	22860	29029	32102	42027	45630	
			kw	5.3	6.7	8.5	9.4	12.3	13.4	
Nominal Total Input Power (Cooling)			w	1536	1942	2464	2724	3750	4607	
Annual Power Consumption			Kwh	1189.03	1503.32	1907.04	2109.44	NA	NA	
ISEER			w/w	3.45	3.45	3.45	3.45	3.28	2.9	
BEE Star Level				2	2	2	2	NA	NA	
Power Source			V/Ph/Hz	230V/1/50				415 / 3 / 50		
Refrigerant Type				R-32						
Indoor	Air Flow	High	CFM	High	730	890	1030	1030	1120	1120
		Medium		Medium	620	760	870	870	1030	1030
		Low		Low	510	620	730	730	890	890
		Quiet		Quiet	360	490	580	580	760	760
	Sound Pressure Level	High	dBA	High	38	41	46	46	48	48
		Medium		Medium	35	38	41	41	45	45
		Low		Low	33	35	37	37	41	41
		Quiet		Quiet	29	32	34	34	37	37
	Unit Dimension [Panel]	Height	mm	Height	246[304]	246[304]	288[346]	288[346]	288[346]	288[346]
		Width	mm	Width	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]
Depth		mm	Depth	840[950]	840[950]	840[950]	840[950]	840[950]	840[950]	
Unit Weight [Panel]		kg		22[5]	22[5]	25[5]	25[5]	25[5]	29[5]	
Outdoor	Unit Dimension	mm	Height	595	595	990	990	990	990	
		mm	Width	845	845	940	940	940	940	
		mm	Depth	300	300	320	320	320	320	
	Unit Weight		kg		40	45	68	71	74	74
	Pipe Connection		Type	Flare						
			Liquid	mm	φ6.4	φ6.4	φ9.5	φ9.5	φ9.5	φ9.5
Max Piping Length			Gas	mm	φ12.7	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9
Max Piping Elevation				m	20	20	20	20	30	30

Note:

1. Rated cooling capacities are based on the following conditions: Return air temp.: 27°CDB, 19.0°CWB, Outdoor temp.: 35°CDB, 24°CWB Equiv. ref. piping: 7.5m (Horizontal)
2. Anechoic chamber conversion value, measured under JIS conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Ceiling Mounted 3 x 3 Cassette Type (Heat Pump)

R-410A

Model Name			90	100	125
	Indoor unit		FCQN90EXV16	FCQN100EXV16	FCQN125EXV16
Remote	Outdoor unit		RQ90DGXY16	RQ100DGXY16	RQ125DGXY16
Panel Code	Wireless		BRC52A61		
	Wired		BRC51A61		
Power supply	Model Number		BYC50EXW6		
Cooling Capacity (Rated)	Cooling		380-415/3/50	380-415/3/50	380-415/3/50
	Heating		31000	39000	45000
Power consumption	Cooling		33400	39000	48000
	Heating		2.77	3.84	4.39
Indoor unit	Colour		2.55	3.61	4.01
	White		White	White	White
Outdoor unit	Air ow rate (H/M/L/SL)		1030/860/740/620	1030/860/740/620	1200/1030/930/780
	Sound level (H/M/L/SL)		47/44/40/36	47/44/40/36	49/45/43/39
Piping connections	Dimensions (H x W x D)		300 x 820 x 820	300 x 820 x 820	300 x 820 x 820
	Unit		mm	mm	mm
Max. interunit piping length	Machine weight		75 x 990 x 990	75 x 990 x 990	75 x 990 x 990
	Panel		kg	kg	kg
Max. installation level difference	Compressor		4	4	4
	Type		Scroll	Scroll	Scroll
	Refrigerant charge (R-410A)		1.93	2.33	2.10
	kg		58	58	60
	Sound level		58	58	60
	Cooling		dB(A)	dB(A)	dB(A)
	Dimensions (H x W x D)		852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400
	Machine weight		mm	mm	mm
	Certified operation range		86	95	98
	Cooling		°CDB	°CDB	°CDB
	Cooling		19°C~46°C	19°C~46°C	19°C~46°C
	°CWB		-9°C~18°C	-9°C~18°C	-9°C~18°C
	Liquid (Flare)		φ9.52	φ9.52	φ9.52
	Gas (Flare)		mm	mm	mm
	Gas (Flare)		φ15.88	φ15.88	φ15.88
	Drain		mm	mm	mm
	Max. interunit piping length		φ19.05	φ19.05	φ19.05
	Max. installation level difference		m	m	m
			45	45	45
			25	25	25

Note:

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping: 7.5 m (horizontal).
2. Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, outdoor temp. 7°CDB, 6°CWB. Equiv. refrigeration piping: 7.5 m (horizontal).
3. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.