

Ceiling Mounted 3 x 3 Cassette Type (Heat Pump)

R-410A

Model Name				50	60	71	90	100	125
Indoor unit				FCQN50EXV16	FCQN60EXV16	FCQN71EXV16	FCQN90EXV16	FCQN100EXV16	FCQN125EXV16
Outdoor unit				RYN50CGXV16	RYN60CGXV16	RQ71CGXV16	RQ90DGXY16	RQ100DGXY16	RQ125DGXY16
Power supply				220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Cooling Capacity (Rated)	Cooling		Btu/h	18300	22200	27000	31000	39000	45000
	Heating		Btu/h	17700	20500	28000	33400	39000	48000
Power consumption	Cooling		kW	1.74	1.94	2.79	2.77	3.84	4.39
	Heating		kW	1.49	1.76	2.33	2.55	3.61	4.01
Indoor unit	Colour			White	White	White	White	White	White
	Air ow rate (H/M/L/SL)		cfm	600/530/430/400	680/600/530/430	860/725/620/530	1030/860/740/620	1030/860/740/620	1200/1030/930/780
	Sound level (H/M/L/SL)		dB(A)	34/32/30/28	37/34/33/32	42/38/35/33	47/44/40/36	47/44/40/36	49/45/43/39
	Dimensions (H x W x D)	Unit	mm	265 x 820 x 820	265 x 820 x 820	265 x 820 x 820	300 x 820 x 820	300 x 820 x 820	300 x 820 x 820
		Panel	mm	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990	75 x 990 x 990
	Machine weight	Unit	kg	26		28	31	31	31
		Panel	kg	4	4	4	4	4	4
Outdoor unit	Compressor	Type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
	Refrigerant charge (R-410A)		kg	1.38	1.60	1.85	1.93	2.33	2.10
	Sound level	Cooling	dB(A)	52	52	58	58	58	60
	Dimensions (H x W x D)		mm	651 x 855 x 328	753 x 855 x 328	753 x 855 x 328	852 x 1030 x 400	852 x 1030 x 400	852 x 1030 x 400
	Machine weight		kg	47	50	57	86	95	98
	Certified operation range	Cooling	°CDB	19°C~46°C	19°C~46°C	19°C~46°C	19°C~46°C	19°C~46°C	19°C~46°C
		Cooling	°CWB	-9°C~18°C	-9°C~18°C	-9°C~18°C	-9°C~18°C	-9°C~18°C	-9°C~18°C
Piping connections	Liquid (Flare)		mm	6.35	6.35	9.52	9.52	9.52	9.52
	Gas (Flare)		mm	12.7	15.88	15.88	15.88	15.88	15.88
	Drain		mm	19.05	19.05	19.05	19.05	19.05	19.05
Max. interunit piping length			m	15	15	15	45	45	45
Max. installation level difference			m	8	8	8	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.