

SPECIFICATIONS

Heat pump

CEILING MOUNTED CASSETTE TYPE

			71	100	125	140	
Model Name	Indoor unit		FCQ71	FCQ100	FCQ125	FCQ140	
	Outdoor unit		RZQ71	RZQ100	RZQ125	RZQ160	
Power supply			1 Phase, 240 V, 50 Hz				
Cooling capacity ¹ Rated (Min. - Max.)		kW	7.1 (3.3-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.4)	
Heating capacity ² Rated (Min. - Max.)		kW	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	
Power consumption							
Cooling ¹		kW	2.05	2.94	3.77	4.95	
Heating ²		kW	2.10	3.03	3.83	4.80	
Indoor unit	Colour	Unit	Fresh white				
	Decoration panel						
	Air flow rate (H/L)		ℓ/s	533/333	550/375	550/375	
			m³/min	32/20	33/22.5	33/22.5	
	Sound level (H/L) ³		dB(A)	43/32	44/34	44/36	
	Sound power (H/L) ⁴		dB(A)	60/50	61/52	61/54	
	Dimensions (H×W×D)	Unit	mm	298×840×840	298×840×840	298×840×840	
	Decoration panel		mm	50×950×950	50×950×950	50×950×950	
	Machine weight	Unit	kg	21	24	24	
	Decoration panel		kg	5.5	5.5	5.5	
Outdoor unit	Certified Operation range	Cooling	14 to 25				
	Heating		15 to 27				
	Colour	Ivory white					
	Compressor	Type	Hermetically sealed swing type	Hermetically sealed scroll type			
		Motor output	kW	1.8	1.9	2.4	3.1
	Refrigerant charge (R-410A)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level	Cooling/Heating ³	dB(A)	48/50	49/51	50/52	50/52
		Night quiet mode	dB(A)	47	45	45	46
	Sound power ⁴		dB(A)	66	65	—	—
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,170×900×320
Machine weight		kg	65	98	98	98	
Piping connections	Certified Operation range	Cooling	-5 to 46				
	Heating		-15 to 16				
	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5	
		mm	ø15.9	ø15.9	ø15.9	ø15.9	
	Gas (Flare)	mm	ø15.9	ø15.9	ø15.9	ø15.9	
		mm	ø15.9	ø15.9	ø15.9	ø15.9	
	Drain	Indoor unit	mm	I.D ø25×O.D ø32	I.D ø25×O.D ø32	I.D ø25×O.D ø32	I.D ø25×O.D ø32
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
	Max. interunit piping length		m	50 (Equivalent length 70)	75 (Equivalent length 90)		
	Max. installation level difference		m	30			
Heat insulation		Both liquid and gas piping					

Note :

¹Rated 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).

²Rated 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)

³Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

⁴Numerical values are according to ISO 3741:1999.