

Round Flow Ceiling Mounted Cassette Type (Heat Pump)


R-410A

Model Name			Indoor unit		71	100	125	140	100	125	140	
			Outdoor unit		FCQ71LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	FCQ100LUV1	FCQ125LUV1	FCQ140LUV1	
					RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A	
Power supply					1 Phase, 240 V, 50 Hz					3 Phase, 415 V, 50 Hz		
Cooling capacity ¹ Rated (Min. - Max.)				kW	7.1 (3.2-8.0)	10 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)	10 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)	
Heating capacity ² Rated (Min. - Max.)				kW	8 (3.5-9.0)	11.2 (5.1-12.8)	14 (6.0-16.2)	16 (6.2-18.0)	11.2 (5.1-12.8)	14 (6.0-16.2)	16 (6.2-18.0)	
Power consumption			Cooling ¹	kW	1.99	2.94	4.02	4.54	2.94	3.77	4.39	
			Heating ²	kW	2.10	3.03	3.83	4.80	3.03	3.83	4.80	
Indoor unit	Colour	Unit	—									
		Decoration panel	Fresh white									
	Fan	Air flow rate (H/L)	m ³ /min	21/13.5	32/20	33/22.5		32/20	33/22.5			
			cfm	741/477	1,130/706	1,165/794		1,130/706	1,165/794			
	Sound level (H/L) ³		dB(A)	35/28	43/32	44/34	44/36	43/32	44/34	44/36		
	Dimensions (HxWxD)	Unit	mm	256x840x840		298x840x840						
		Decoration panel	mm	50x950x950								
	Machine weight	Unit	kg	21	24							
		Decoration panel	kg	5.5								
	Certified Operation range	Cooling	°CWB	14 to 25								
Heating		°CDB	15 to 27									
Outdoor unit	Colour		Ivory white									
	Compressor	Type		Hermetically sealed swing type	Hermetically sealed scroll type							
		Motor output	kW	1.7	1.9	2.4	3.1	1.7	2.2	2.9		
	Refrigerant charge (R-410A)		kg	2.75 (Charged for 30 m)	3.7 (Charged for 30 m)			4.3 (Charged for 30 m)				
	Sound level	Cooling/Heating ³	dB(A)	48/50	49/51		50/52	49/51	50/52			
		Night quiet mode	dB(A)	44	45		46	45	46			
	Dimensions (HxWxD)		mm	770x900x320	1,170x900x320			1,345x900x320				
	Machine weight		kg	68	98			108				
	Certified Operation range	Cooling	°CDB	-5 to 46								
		Heating	°CWB	-15 to 15.5								
Piping connections	Liquid (Flare)		mm	Ø9.5								
	Gas (Flare)		mm	Ø15.9								
	Drain	Indoor unit	mm	I.D Ø25xO.D Ø32								
		Outdoor unit	mm	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: 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. Anecoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.