

CEILING MOUNTED CASSETTE TYPE Heat pump

Super Inverter



			71	100	125	140	
Model Name	Indoor unit		FCQ71KAVEA	FCQ100KAVEA	FCQ125KAVEA	FCQ140KAVEA	
	Outdoor unit		RZQ71LV1	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A	
Power supply	Outdoor unit		1 Phase, 220-240 V, 50 Hz		3 Phase, 415 V, 50 Hz		
Cooling capacity ^{1,3} Rated (Min. - Max.)		kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)	
		Btu/h	24,200 (10,900-27,300)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	46,400 (21,200-52,600)	
Heating capacity ^{2,3} 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)	
		Btu/h	27,300 (11,900-30,700)	38,200 (17,400-43,700)	47,800 (20,500-55,300)	54,600 (21,200-61,400)	
Power consumption	Cooling ¹	kW	1.99	2.94	3.77	4.39	
	Heating ²		2.10	3.03	3.83	4.80	
COP	Cooling	W/W	3.57	3.40	3.32	3.10	
	Heating		3.81	3.70	3.66	3.33	
Indoor unit	Colour	Unit	—				
		Decoration panel	Fresh white				
	Airflow rate (H/M/L)	m ³ /min	21/17.5/13.5	32/26/20	33/28/22.5		
			cfm	741/618/477	1,130/918/706	1,165/988/794	
	Sound pressure level ⁴ (H/M/L)	dB(A)	35/31.5/28	43/37.5/32	44/39/34	44/40/36	
	Dimensions (H×W×D)	Unit	mm	256×840×840	298×840×840		
		Decoration panel	mm	50×950×950			
	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				
	Coil	Type	Cross fin coil				
	Compressor	Type	Hermetically sealed swing type		Hermetically sealed scroll type		
		Motor output	kW	1.7	1.7	2.2	2.9
	Refrigerant charge (R-410A)	kg	2.0 (Charged for 30 m)	4.3 (Charged for 30 m)			
	Sound pressure level ⁴	Cooling / Heating	dB(A)	49/51	49/51	50/52	
		Night quiet mode	dB(A)	45	45	46	
	Dimensions (H×W×D)		mm	770×900×320	1,345×900×320		
	Machine weight		kg	64	108		
	Certified Operation range	Cooling	°CDB	-5 to 46			
Heating		°CWB	-15 to 15.5				
Piping connections	Liquid (Flare)	mm	φ9.5				
	Gas (Flare)	mm	φ15.9				
	Drain	Indoor unit	mm	VP25 (I.Dφ25×O.Dφ32)			
Outdoor unit		mm	φ26.0 (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						