

# CEILING SUSPENDED TYPE Heat pump

**Super Inverter**



			71	100	125	140	
Model Name	Indoor unit		FHQ71DAVMA	FHQ100DAVMA	FHQ125DAVMA	FHQ140DAVMA	
	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 <sup>1,3</sup> Rated (Min. - Max.)	kW		7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.2 (6.2-15.5)	
	Btu/h		24,200 (10,900-27,300)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	45,000 (21,200-52,900)	
Heating capacity <sup>2,3</sup> 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 <sup>1</sup>	kW	2.21	3.15	4.01	4.34	
	Heating <sup>2</sup>	kW	2.52	3.54	4.56	4.94	
COP	Cooling	W/W	3.21	3.17	3.12	3.04	
	Heating		3.17	3.16	3.07	3.24	
Indoor unit	Colour		Light ivory				
	Airflow rate (H/M/L)	m <sup>3</sup> /min	20.5/17/14	28/24/20	31/27/23	34/29/24	
		cfm	724/600/494	988/847/706	1,094/953/812	1,200/1,024/847	
	Sound pressure level* (H/M/L)	dB(A)	38/36/34	42/38/34	44/41/37	46/42/38	
	Dimensions (H×W×D)	mm	235×1,270×690	235×1,590×690			
	Machine weight	kg	32	38			
	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	2.3	2.7	2.9
	Refrigerant charge (R-410A)	kg	2.0 (Charged for 30 m)	4.3 (Charged for 30 m)			
	Sound pressure level <sup>4</sup>	Cooling / Heating	dB(A)	48/50	49/51	50/52	
		Night quiet mode	dB(A)	44	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	VP20 (I.Dφ20×O.Dφ26)			
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						

Note :

<sup>1</sup>Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

<sup>2</sup>Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

<sup>3</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.

<sup>4</sup>The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.