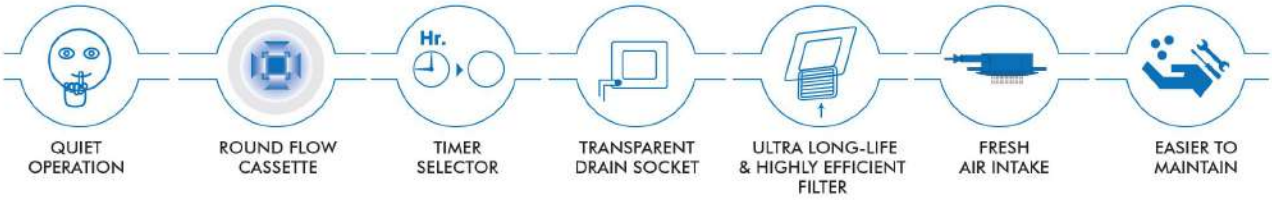
FCQ SERIES

Heat Pump

INVERTER | R-410A

Round flow ceiling mounted cassette type
(Heat pump)



FCQ100-140 (HEAT PUMP)	10 KW ~ 16.0 KW	Heating

ACCESSORY REQUIRED FOR INDOOR UNIT

Navigation Remote Controller

BRC1E62
(Wired Remote Controller)

Note: *Remote controller cable not included. Cables must be procured locally.*

Wireless LCD remote controller

BRC4M150W16

BRC7M632F-6

SIGNAL RECEIVER UNIT
(Installed type)

Wireless remote controller and signal receiver unit are sold as a set.

1 TR (Tons of Refrigeration) = 3.517 kW

SPECIFICATIONS (Contd.)

Round Flow Ceiling Mounted Cassette Type (Heat Pump)

INVERTER R-410A

Model Name				100	125	140
		Indoor unit		FCQ100LUV1	FCQ125LUV1	FCQ140LUV1
		Outdoor unit		RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A
Remote	Wireless	Optional		BRC4M150W16		
	Signal Receiver Unit - Model Number			BRC7M632F-6		
	Wired	Optional		BRC1E62		
Panel Code	Model Number			BYCP125K-W1		
Power supply				3 Phase, 415 V, 50 Hz		
Cooling capacity[1] Rated (Min. - Max.)			kW	10 (5.0-11.2)	12.5 (5.7-14.0)	13.6 (6.2-15.4)
Heating capacity[2] Rated (Min. - Max.)			kW	11.2 (5.1-12.8)	14 (6.0-16.2)	16 (6.2-18.0)
Power consumption		Cooling[1]	kW	2.94	3.77	4.39
		Heating[2]	kW	3.03	3.83	4.80
Indoor unit	Colour	Unit		—		
		Decoration panel		Fresh white		
	Fan	Air flow rate (H/L)	m^3/min	32/20	33/22.5	
			cfm	1,130/706	1,165/794	
	Sound level (H/L)[3]		dB(A)	43/32	44/34	44/36
	Dimensions (HxWxD)	Unit	mm	298x840x840		
		Decoration panel	mm	50x950x950		
	Machine weight	Unit	kg	24		
		Decoration panel	kg	5.5		
	Certified Operation range	Cooling	°CWB	14 to 28		
		Heating	°CDB	10 to 27		
Outdoor unit	Colour			Ivory white		
	Compressor	Type		Hermetically sealed scroll type		
		Motor output	kW	1.7	2.2	2.9
	Refrigerant charge (R-410A)		kg	4.3 (Charged for 30 m)		
	Sound level	Cooling/Heating[3]	dB(A)	49/51	50/52	
		Night quiet mode	dB(A)	45		46
	Dimensions (HxWxD)		mm	1,345x900x320		
	Machine weight		kg	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.DØ25xO.DØ32		
		Outdoor unit	mm	Ø26.0 (Hole)		
Max. interunit piping length			m	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. Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.