

Ceiling Mounted Cassette Type (Double Flow)

Model		FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
★1 Cooling Capacity (19.5°CWB)	kcal/h	5,000	6,300	8,000	12,500
	Btu/h	19,900	25,000	31,800	49,600
	kW	5.8	7.3	9.3	14.5
★2 Cooling Capacity (19.0°CWB)	kW	5.6	7.1	9.0	14.0
★3 Heating Capacity	kcal/h	5,400	6,900	8,600	13,800
	Btu/h	21,500	27,300	34,100	54,600
	kW	6.3	8.0	10.0	16.0
Casing		Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm 305×990×600	305×1,175×600	305×1,665×600	305×1,665×600
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm 2×10×1.5	2×10×1.5	2×10×1.5	2×10×1.5
	Face Area	m ² 2×0.145	2×0.184	2×0.287	2×0.287
Fan	Model	2D17K1AA1	2D17K2AA1VE	3D17K2AA1	3D17K2AB1
	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W 20×1	30×1	50×1	85×1
	Air Flow Rate (H/L)	m ³ /min 12/9	16.5/13	26/21	33/25
		cfm 424/318	582/459	918/741	1,165/883
Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive	
Temperature Control		Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material		Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam
Piping Connections	Liquid Pipes	mm φ6.4 (Flare Connection)	φ9.5 (Flare Connection)	φ9.5 (Flare Connection)	φ9.5 (Flare Connection)
	Gas Pipes	mm φ12.7 (Flare Connection)	φ15.9 (Flare Connection)	φ15.9 (Flare Connection)	φ15.9 (Flare Connection)
	Drain Pipe	mm VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight	kg 32	35	47	48	
★5 Sound Level (H/L)	dBA 34/29	37/32	39/34	44/38	
Safety Devices		Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit		R410A M Series	R410A M Series	R410A M Series	R410A M Series
Decoration Panels (Option)	Model	BYBC50G-W1	BYBC63G-W1	BYBC125G-W1	BYBC125G-W1
	Panel Color	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)	mm 53×1,245×680	53×1,430×680	53×1,920×680	53×1,920×680
	Air Filter	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight	kg 8.5	9.5	12	12
Standard Accessories		Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.
Drawing No.		3D039413			

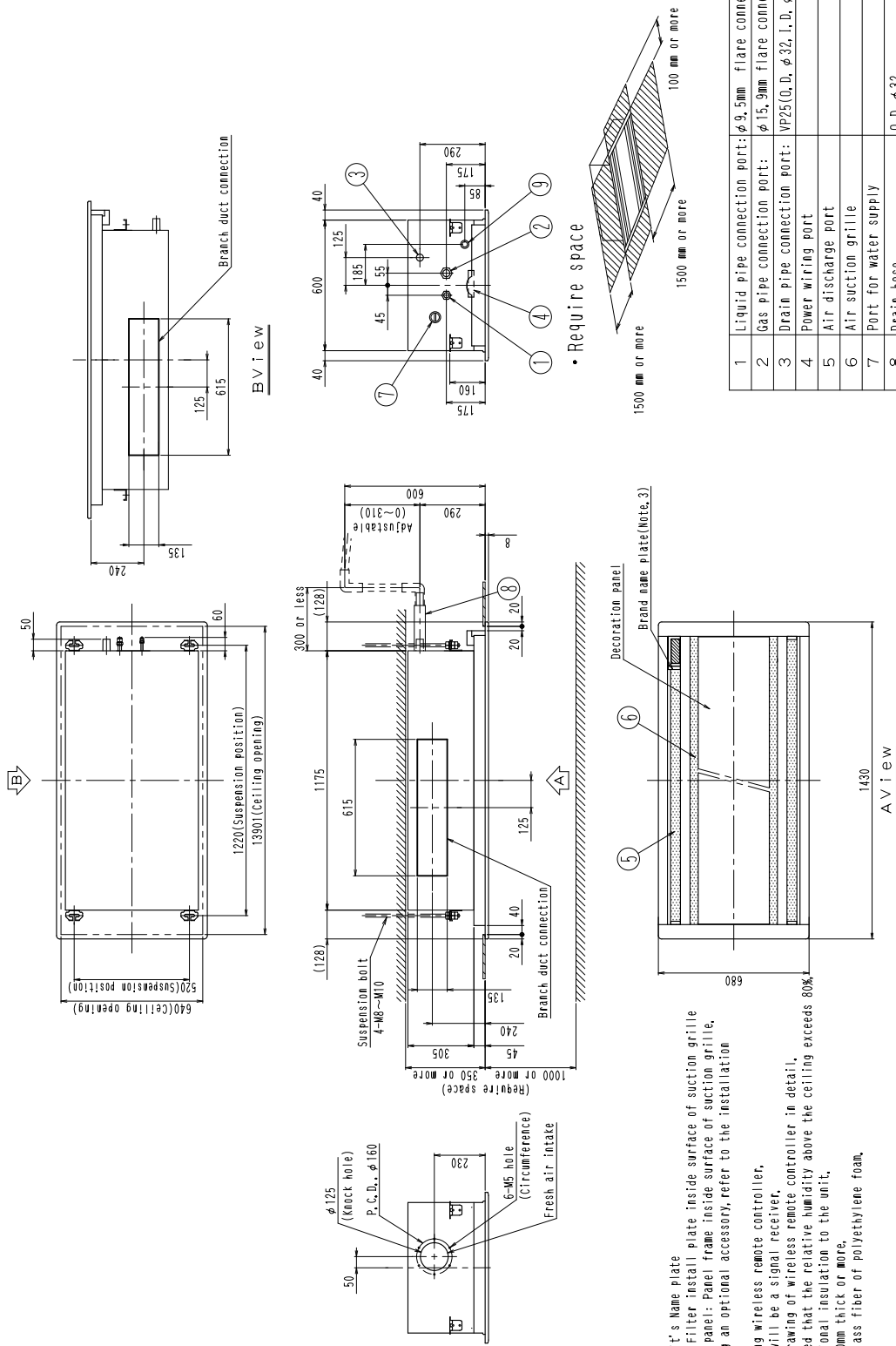
Notes:

- ★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
- ★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
- ★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
- 4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★5 Anechoic chamber conversion value, measured under JISB8616 conditions. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 6 Refer to page 71 for Fan Motor Input.

Conversion Formulae
kcal/h=kW×860
Btu/h=kW×3414
cfm=m ³ /min×35.3

FXCQ63M + BYBC63G-W1 (Decoration Panel)

Unit (mm)



- Notes:
1. Location of unit's Name-plate
For Main body: Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
 2. When installing an optional accessory, refer to the installation drawings.
 3. In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
 4. If it is assumed that the relative humidity above the ceiling exceeds 80%, stick the additional insulation to the unit.
Insulation : 10mm thick or more,
Glass fiber or polyethylene foam.

Number	Name	Description
1	Liquid pipe connection port: $\phi 9.5$ mm flare connection	
2	Gas pipe connection port: $\phi 15.9$ mm flare connection	
3	Drain pipe connection port: VP25(O.D. $\phi 32$, I.D. $\phi 25$)	
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. $\phi 32$
9	Socket for drain	

3D039407A

