

MODEL: ROUND FLOW CASSETTE WITH SENSING 50/60 Hz - FXFSQ63AVM

PROJECT NAME:

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

FEATURES AND BENEFITS

Dual sensors

Dual sensor and individual airflow direction control automatically provide optimal control of airflow.

Infrared presence sensor

The 4 sensors detect human presence.

Infrared floor sensor

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

Sensing sensor low mode (default: OFF)

When there are no people in a room, the set temperature is shifted automatically.

The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

Sensing sensor stop mode (default: OFF)

When there are no people in a room, the system stops automatically.

The system automatically saves energy by detecting whether or not the room is occupied. Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

Auto airflow function

With Auto airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When human is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

Draft prevention function

With Auto airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When human is detected, drafts are prevented by making the flap horizontal.

360° Airflow & Selectable Airflow Pattern

Indoor unit offers 360° airflow discharges air in all directions with more uniform temperature distribution.

Because air flows out from corner outlets, comfort spreads more widely.

Switchable fan speed: 5 steps and Auto

Control of airflow rate has been improved from 3-step to 5-step.

Auto airflow rate is newly available.

Suitable for high ceilings

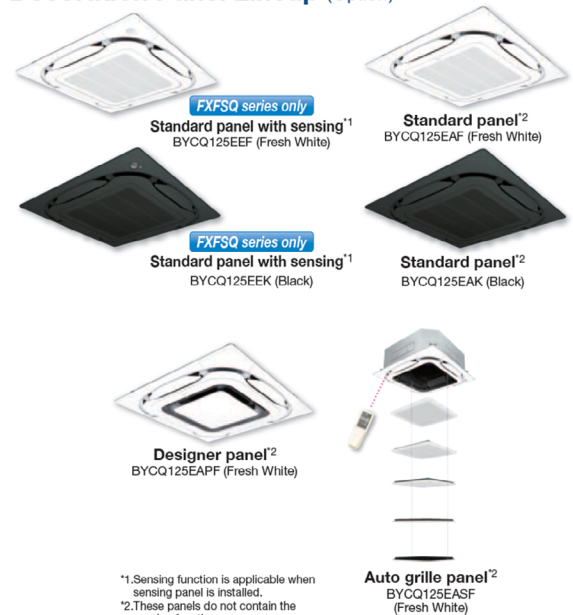
Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

EXTERNAL APPEARANCE



R-410A

Decoration Panel Lineup (Option)



*1.Sensing function is applicable when sensing panel is installed.
*2.These panels do not contain the sensing function.

SPECIFICATIONS

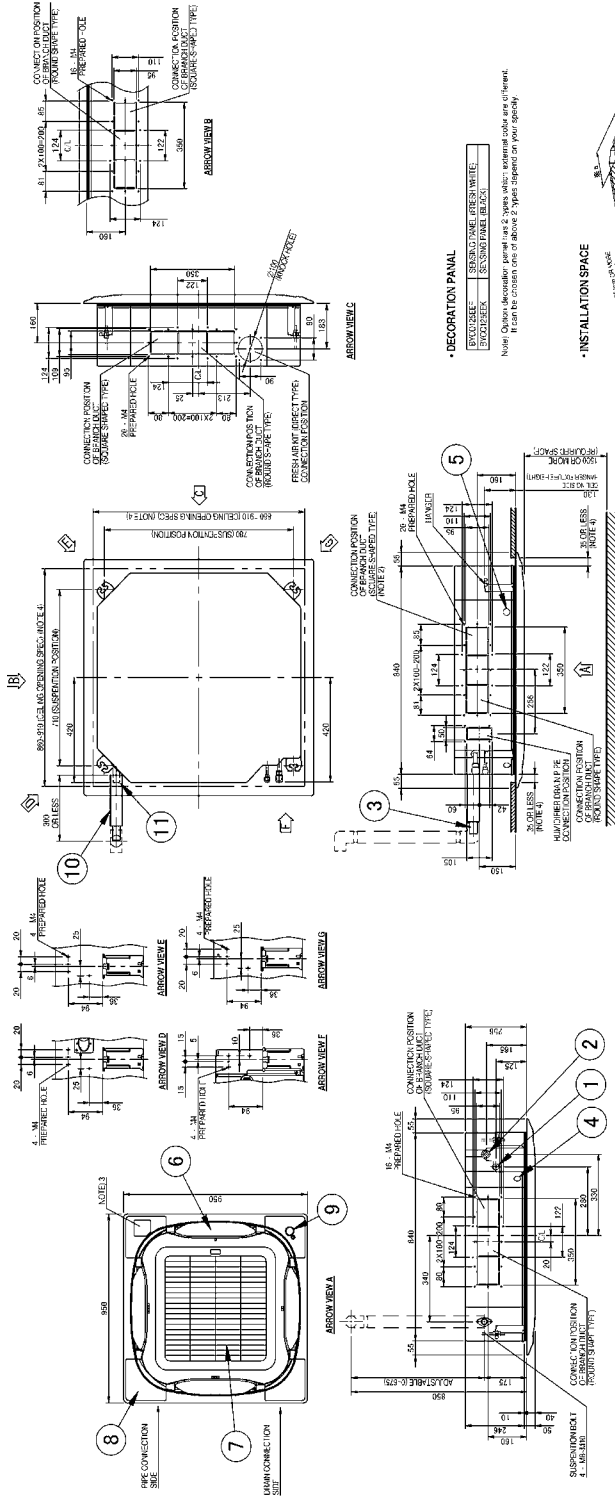
MODEL: ROUND FLOW CASSETTE WITH SENSING 50/60 Hz - FXFSQ63AVM

Model			FXFSQ63AVM		
Power supply			1 phase, 220-240/220-230 V, 50/60 Hz		
*1 *3 Cooling capacity			kcal/h	6,100	
			Btu/h	24,200	
			kW	7.1	
*2 *3 Heating capacity			kcal/h	6,900	
			Btu/h	27,300	
			kW	8.0	
Power input	Cooling	50 Hz	kW	0.061	
		60 Hz	kW	0.061	
	Heating	50 Hz	kW	0.060	
		60 Hz	kW	0.060	
Casing / Colour			Galvanised steel plate		
Dimensions: (H×W×D)			mm	256×840×840	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	2×10×1.2 (φ7)	
	Face area		m ²	0.446	
Fan	Model		QTS48G15M		
	Type		Turbo fan		
	Motor output × Number of units		W	53×1	
	Airflow rate (H/HM/M/ML/L)			m ³ /min	23.5/21/20/16/13.5
				l/s	392/350/333/267/225
		cfm	830/741/706/565/477		
Drive		Direct drive			
Temperature control			Microprocessor thermostat for cooling and heating		
Sound absorbing thermal insulation material			Polyurethane form		
Piping connections	Liquid pipes		mm	φ9.5	
	Gas pipes		mm	φ15.9	
	Drain pipe		mm	φ26 (hole)	
Mass			kg	22	
*4 Sound pressure level (H/HM/M/ML/L)			dB(A)	38.0/36.0/35.5/31.5/28.0	
Safety devices			Fuse		
Refrigerant control			Electronic expansion valve		
Decoration panel (option)	Model		BYCQ125EAF		
	Colour		Fresh white		
	Dimensions: (H×W×D)		mm	50×950×950	
	Air filter		Resin net (with mould resistance)		
Mass		kg	5.5		
Standard accessories			Operation manual, Installation manual, Pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting, Installation guide		
Drawing No.	Specification		C: 3D112945B		
	Sound level		C: 4D112879B		
Notes: *1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB, 24°CWB / equivalent piping length: 7.5 m, level difference: 0 m. *2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / equivalent piping length: 7.5 m, level difference: 0 m. *3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. *4. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit center. During actual operation, these values are normally somewhat higher as a result of ambient conditions.					

DIMENSIONS

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Unit: mm

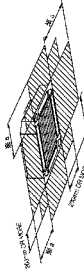


• DECORATION PANEL

EXTRUSION	1. SENSING PANEL (GREEN WATER)
FINISH	2. SENSING PANEL (BLACK)

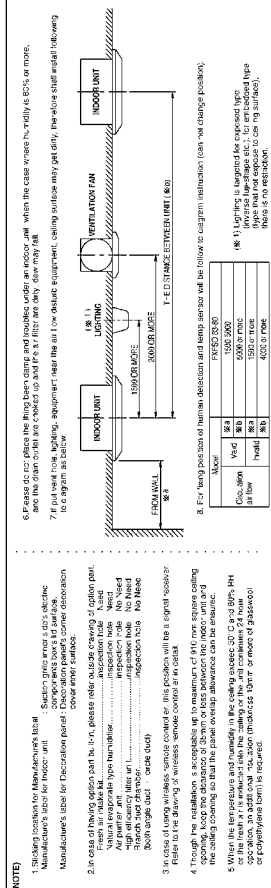
Note: Other decoration panel size & type, when external cable are different. It can be chosen one of above 2 types based on your specify.

• INSTALLATION SPACE



* The necessary space is 800 mm x 700 mm when the air outlet is located with the necessary clearance. When the outlet is close to the wall surface from side of the air outlet, the necessary space is 800 mm x 700 mm.

ITEM	PART NAME	REMARK
1	1. SENSING PANEL (GREEN WATER)	
2	2. SENSING PANEL (BLACK)	
3	3. SENSING PANEL (BLACK)	
4	4. SENSING PANEL (BLACK)	
5	5. SENSING PANEL (BLACK)	
6	6. SENSING PANEL (BLACK)	
7	7. SENSING PANEL (BLACK)	
8	8. SENSING PANEL (BLACK)	
9	9. SENSING PANEL (BLACK)	
10	10. SENSING PANEL (BLACK)	
11	11. SENSING PANEL (BLACK)	
12	12. SENSING PANEL (BLACK)	



NOTE

1. Sliding cabinet for Manufacturer's label.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
2. In case of having open part, it is, please refer outside drawing of ceiling part.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
3. In case of having open part, it is, please refer outside drawing of ceiling part.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
4. Through the installation, it is acceptable up to a maximum of 910 mm square ceiling opening, keep the clearance of down or hole between the indoor unit and ceiling opening.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
5. When the ceiling is made of gypsum board, it is acceptable up to 910 mm square ceiling opening, keep the clearance of down or hole between the indoor unit and ceiling opening.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
6. When the ceiling is made of gypsum board, it is acceptable up to 910 mm square ceiling opening, keep the clearance of down or hole between the indoor unit and ceiling opening.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
7. When the ceiling is made of gypsum board, it is acceptable up to 910 mm square ceiling opening, keep the clearance of down or hole between the indoor unit and ceiling opening.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
8. For every position of human detection and heat sensor will be follow to diagram installation (can we change position).
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
9. Lighting is required for exposed type (type that not expose to ceiling surface).
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor
10. There is no restriction.
 - Manufacturer's label for indoor unit
 - Manufacturer's label for Decorative panel
 - Manufacturer's label for sensor