



Perfecting the Air

- ADVANCED SENSING SENSOR MODE**
- COMFORT AND ENERGY SAVING**
- AUTO AIRFLOW FUNCTION**
- PERFECT FIT FOR OFFICE OR COMMERCIAL APPLICATION**



HEATING AND COOLING SOLUTIONS

FXFSQ-AVM

ROUND FLOW CASSETTE WITH SENSING TYPE

2.8kW
-TO-
16.0kW
RATED COOLING CAPACITIES

3.2kW
-TO-
16.0kW
RATED HEATING CAPACITIES

9
MODELS

Intelligent round flow cassette with advance sensors for ultimate comfort and efficiency in your office or commercial application.

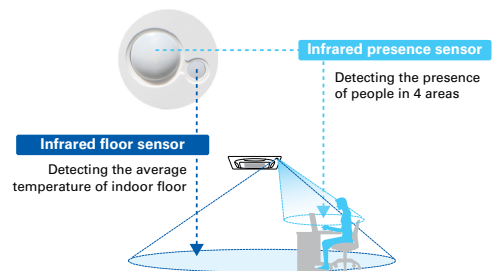
The FXFSQ-AVM series is no ordinary cassette with all the benefits of round flow air distribution coupled with a state of the art infrared sensor that not just detects human presence but can also sense floor temperature to ensure optimal comfort and energy savings.

There is also a new Circulation Airflow function for rapid cooling/heating and uniform temperature distribution, individual airflow direction control with 5-step fan speed and the option of white or black fascia.



COMFORT AND ENERGY SAVING

Sensors detecting human presence and temperatures near the floor provide comfortable spaces without uneven temperatures.



AUTO AIRFLOW FUNCTION (COMFORT)

When human is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room. (Direct Airflow function, Draft Prevention function)



SENSING SENSOR MODE (ENERGY SAVING)

LOW MODE

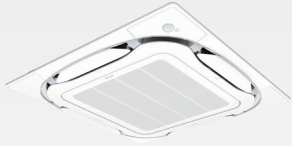
When there are no people in a room, the set temperature is shifted automatically.

STOP MODE

Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

PANEL (OPTION)

Standard panel



Standard panel with sensing
BYCQ125EEF (Fresh White)



Standard panel with sensing
BYCQ125EEK (Black)

New designer panel

Designer choice has been given a boost with the increase in number of new types of decoration panels.



Designer panel
BYCQ125EAPF (Fresh White)

Close to ideal styling New designer panel

FLAT

Flatter styling:
Suction panel grid
texture smoothed.



CLEAN

Clean-cut form:
Dirt is hard to see
on smart-looking panel.



ROUND

Subtle distinction:
around suction inlets
silvering is a tasteful touch.



AUTO GRILLE PANEL (OPTION)

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel is included. Operation is not possible using BRC1E63.

Grille panel can be lowered to a maximum of 3.9 m. BYCQ125EBSF (Fresh White)



HIGH PERFORMANCE PREFILTER (MERV 8) (OPTION)*

This filter can catch more harmful substances in the air such as PM2.5.

* Only applicable to standard panel with sensing.
(BYCQ125EEF/K)



BAF552A160

FUNCTION LIST

	Remote controller	Wired	Wireless
		BRC1E63	BRC7M634F(K)
Dual sensors *1		✓	-
Auto airflow function (Direct airflow) *1		✓	-
Auto airflow function (Draft prevention) *1		✓	-
Sensing sensor stop mode *1		✓	-
Individual airflow direction control		✓	-
Switchable 5 step fan		✓	✓
Auto airflow rate		✓	✓
Auto swing		✓	✓
Selectable airflow pattern		✓	✓
High ceiling application		✓	-
Sensing sensor low mode *1		✓	-
Circulation airflow		✓	-



OPTIONAL

*1. Applicable when sensing panel is installed.

Standard panel with sensing	Model	BYCQ125EEF (Fresh White)	
	Dimensions (HxWxD)	mm	50×950×950
	Weight	kg	5.5
	Model	BYCQ125EEK (Black)	
	Dimensions (HxWxD)	mm	50×950×950
	Weight	kg	5.5
Designer panel	Model	BYCQ125EAPF* (Fresh White)	
	Dimensions (HxWxD)	mm	97×950×950
	Weight	kg	6.5
Auto grille panel	Model	BYCQ125EBSF* (Fresh White)	
	Dimensions (HxWxD)	mm	105×950×950
	Weight	kg	8

*1. These panels do not contain the sensing function.

SPECIFICATIONS

MODEL	FXFSQ25AVM	FXFSQ32AVM	FXFSQ40AVM	FXFSQ50AVM	FXFSQ63AVM	FXFSQ80AVM	FXFSQ100AVM	FXFSQ125AVM	FXFSQ140AVM		
Power Supply	1-phase, 220-240 V/220-230 V, 50/60 Hz										
Cooling capacity	Ultra-High	%	9,600	12,300	15,400	19,100	24,200	30,700	38,300	47,800	54,600
	High		2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Heating capacity	Low		10,900	13,600	17,100	21,500	27,300	34,100	42,700	54,600	
	Ultra-High	%	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	
Power consumption	Cooling	kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
	Heating		0.026		0.034	0.056	0.060	0.092	0.144	0.159	0.183
Casing	Galvanised steel plate										
Airflow rate (H/HM/M/ML/L)	ℓ/s	217/208/192/183/167		283/225/208/200/183	383/342/317/242/183	392/350/333/267/225	408/367/342/333/250	558/508/450/392/350	575/525/475/425/383	592/542/492/442/383	
	m³/min	13/12.5/11.5/11/10		17/13.5/12.5/12/11	23/20.5/19/14.5/11	23.5/21/20/16/13.5	24.5/22/20.5/20/15	33.5/30.5/27/23.5/21	34.5/31.5/28.5/25.5/23	35.5/32.5/29.5/26.5/23	
Sound level (H/HM/M/ML/L)	dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	38/35/34.5/29.5/27	38/36/35.5/31.5/28	39/37/36/35.5/31	44/41/38/35/33	45/42.5/39.5/37/35	46/43.5/40.5/38/35	
Dimensions (HxWxD)	mm	256x840x840						298x840x840			
Machine weight	kg	19		24	22		25		26		
Piping connections	Liquid (Flare)	Ø 6.4		Ø 9.5		Ø 9.5					
	Gas (Flare)	Ø 12.7		Ø 15.9		Ø 15.9					
	Drain	VP25 (External Dia. 32/Internal Dia. 25)									

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.

- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.
- During actual operation, these values are normally somewhat higher as a result of ambient conditions.

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