

Round Flow Cassette Type with Streamer

FXFTQ-AVS / FXFRQ-AVS

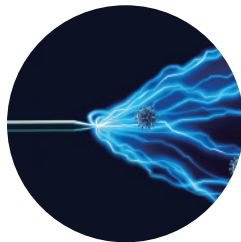
Enhances maximum efficiency in cleaning, which uses powerful decomposition properties to decompose substances captured by filter for better air quality.



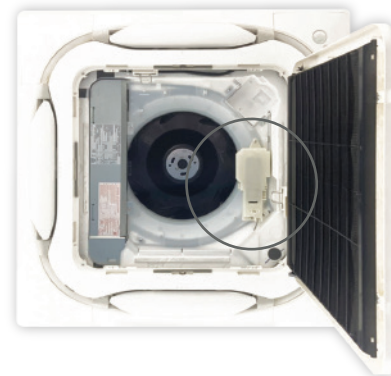
FXFTQ-AVM
FXFRQ-AVM

STREAMER
TECHNOLOGY

Streamer function unit is built-in inside the indoor unit for efficient cleaning function.



Irradiate streamers when the fan and air conditioning operation is stopped. The streamer fumigates the cabin and sterilizes the filter.



Stylish Remote Controller
BRC1H63W/K

Remarks:

- 1) Only the remote controller BRC1H63W(K) can be connected for ON /OFF operation of the streamer.
- 2) Streamer function operates when the fan stops after the air conditioning operation is stopped. The maximum operation of streamer is 180 minutes per day. *(This function is available only when the remote controller BRC1H63W(K) is connected.)*

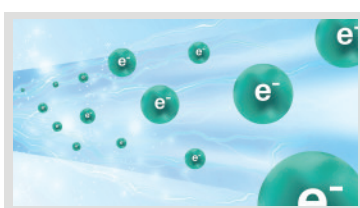
Wired remote controller BRC1H62W/K	Model name	
	FXFTQ-A	FXFRQ-A
Streamer function unit	✓	✓
Dual sensors*	✓	×
Sensing sensor low mode*	✓	×
Sensing sensor stop mode*	✓	×
Individual airflow direction control	✓	✓
Switchable 5 step fan speed	✓	✓
Auto airflow function (Draft prevention)*	✓	×
Auto swing	✓	✓
Swing pattern selection	✓	✓
High ceiling application	✓	✓

Note : *Applicable when sensing panel is installed.

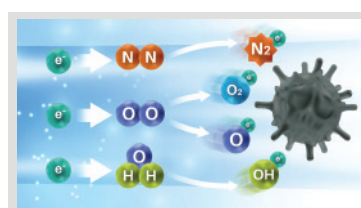
Why Daikin Streamer?

Equipped with decomposition technology, Streamer is a type of plasma discharge that eliminates allergens such as pollen, mould, and mites, as well as, deodorises anti-bacterial dust filters so you can breathe with ease.

Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of decomposing



The decomposing elements provide decomposition power.

Streamer decomposes and eliminates allergens such as pollen, mould, and mites



15 minutes
after irradiation



Proved with 13 pollen based allergens including cedar pollen and cypress pollen.



15 minutes
after irradiation

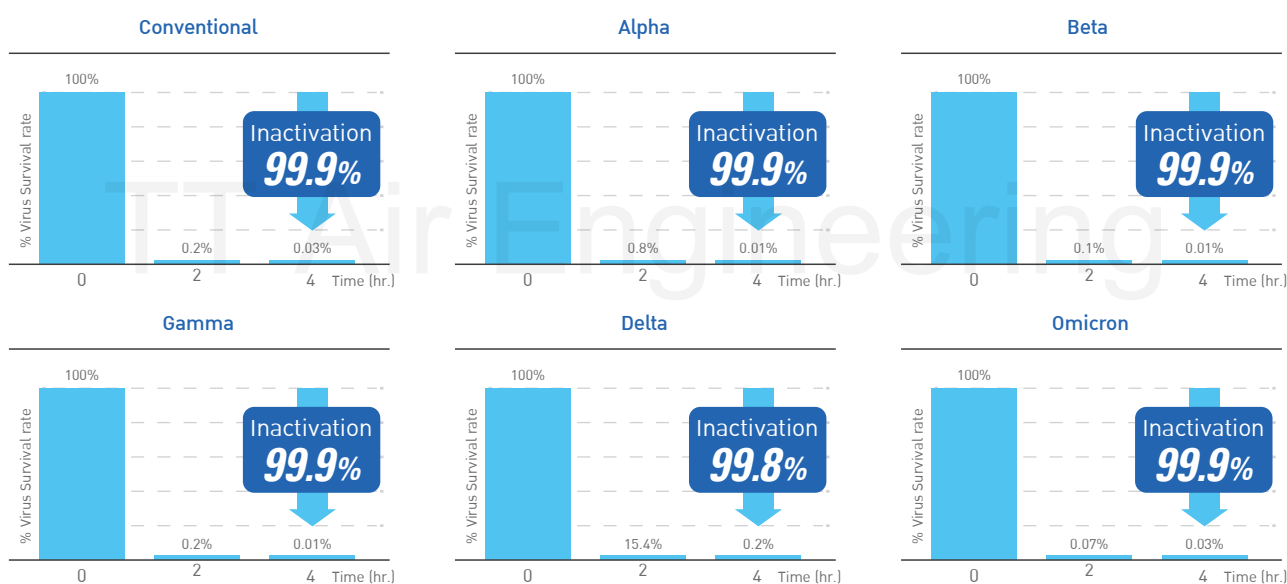


Proved with 6 fungal allergens including Alternaria and Eurotium.

Pollen, mould, and mites (dead mites) were placed on the electrode of the Streamer Discharge unit and then photographed through an electron microscope after being irradiated with Streamer Discharge for 15 minutes.
<A Joint research with Wakayama Medical University.>

Demonstration of the inactivation effects against 6 types of Coronavirus variants by Streamer technology.

*Each survival rate is calculated by comparison with the rate of natural attenuation of each hour.



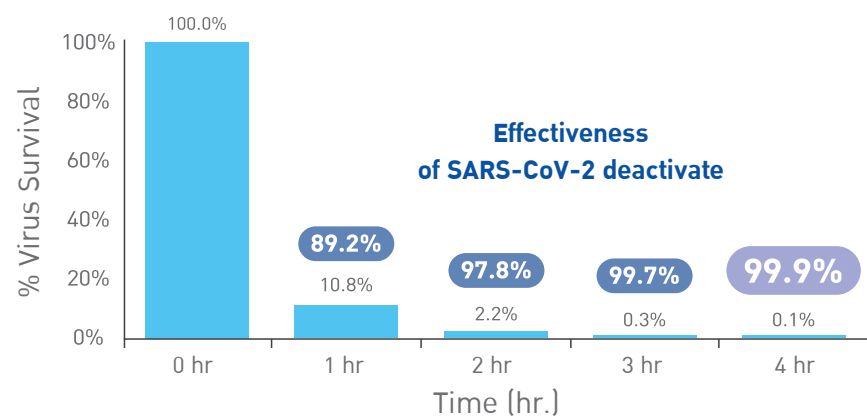
Test Organization:

Conventional strain: Faculty of Veterinary Medicine, Okayama University of Science
Alpha, Beta, Gamma, Delta, and Omicron strain: Research Institute for Microbial Diseases, Osaka University

Test Method:

Quantification was performed by the TCID50 method using an acrylic box of about 31L. The virus loads were quantified using Vero E6 / TMPRSS2 cells.
*This result was obtained by using a Streamer discharge device for testing in lab conditions. The effect of products equipped with Streamer technology or results in actual use environments may differ.

% Deactivate (New) variant of SARS-CoV-2 leftover from Streamer discharge

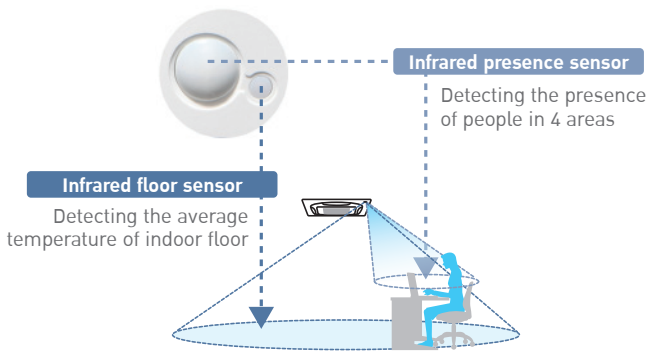


In June 2021, Daikin Collaborated with Mahidol University to test the efficacy of Streamer technology against SARS-CoV-2. The test confirms that Daikin Streamer can deactivate 99.9% of SARS-CoV-2 within 4 hours.

Daikin advanced sensing technology

Dual Sensors

Comfort and energy saving by sensing functions

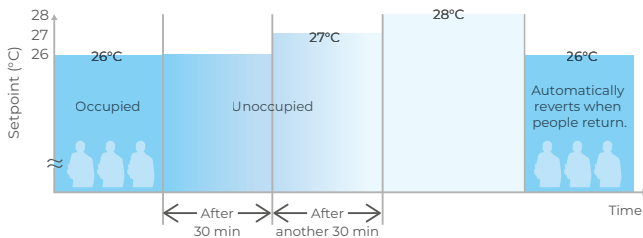


Sensing sensor mode **Energy saving**

Sensing sensor low mode (default: OFF)

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

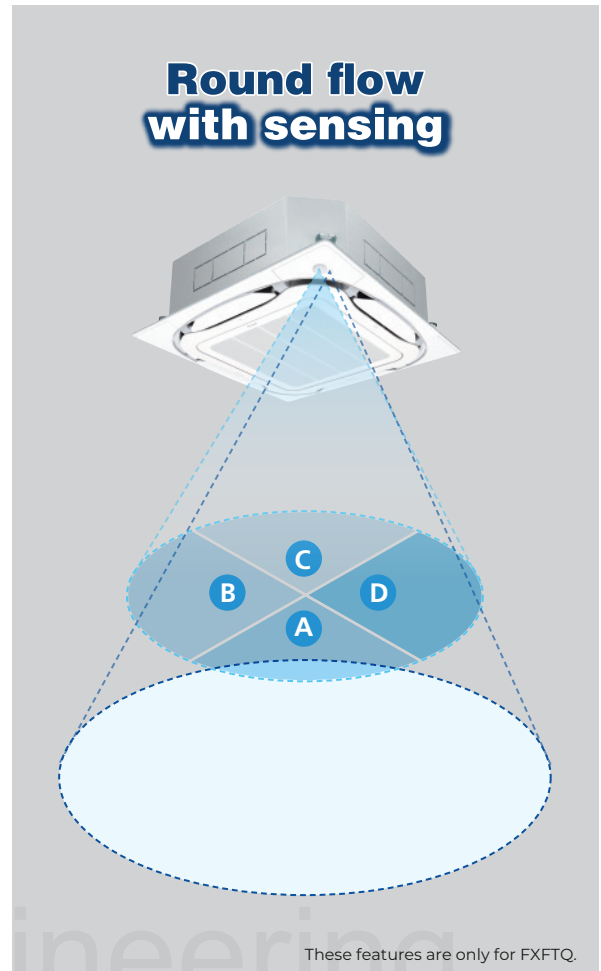
- Example**
- Cooling setpoint: 26°C
 - Shift temperature: 1.0°C
 - Shift time: 30 min.
 - Limit cooling temperature: 30°C



Sensing sensor stop mode (default: OFF)

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

*Adjustment is possible for shift time and set temperature by local setting.

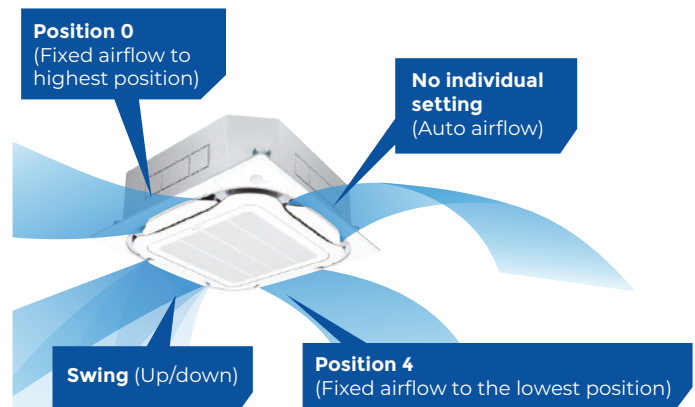


Individual airflow direction control

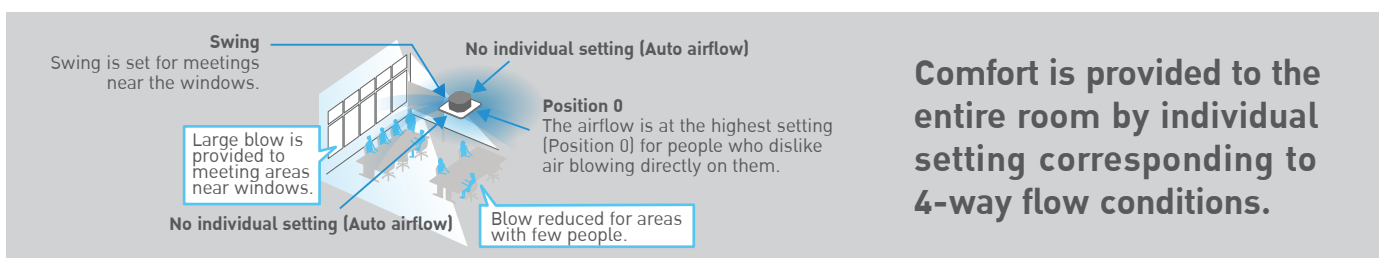
Comfortable air conditioning for all room layouts and conditions

Easy setting is possible with a wired remote controller. Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

- Individual airflow settings
- No individual setting
- (Auto airflow)
- Position 0 (Highest point)
- Position 1
- Position 2
- Position 3
- Position 4 (Lowest point)
- Swing

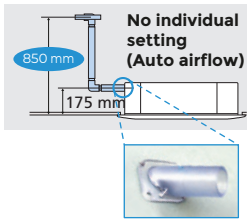


Individual settings are possible as stated above.



Quick and easy installation

Installable in tight ceiling spaces



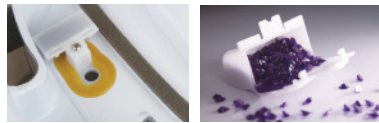
Min. of 261 mm* ceiling space when using standard panel.
*For FXFTQ/FXFRQ25-80A models.

Drain pump is equipped as standard accessory with 850 mm lift.

Cleanliness

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.



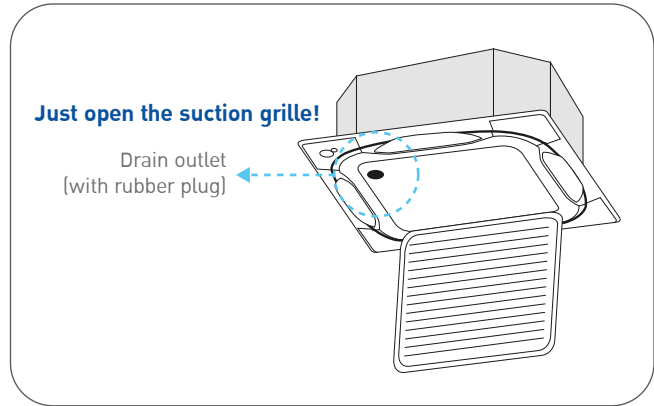
* Drain pan should be changed once every two to three years.

Filter has anti-mould and antibacterial treatment

Easy maintenance

Drain pan and drain water check

The condition of the drain pan and drain water can be checked by removing the suction grille and drain plug.



Specification

MODEL NAME		FXFTQ25AVS	FXFTQ32AVS	FXFTQ40AVS	FXFTQ50AVS	FXFTQ63AVS	FXFTQ80AVS	FXFTQ100AVS	FXFTQ125AVS	FXFTQ140AVS
Power supply		VM: 1-phase, 220-240 V/220-230 V, 50/60 Hz or V4VS: 1-phase, 220 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
	Btu/h*	9,600	12,300	15,700	19,500	24,600	30,800	38,600	48,200	55,000
	kW	2.8 / 2.8*	3.6 / 3.6*	4.5 / 4.6*	5.6 / 5.7*	7.1 / 7.2*	9.0 / 9.0*	11.2 / 11.3*	14.0 / 14.1*	16.0 / 16.1*
Power consumption	kW	0.028		0.035	0.056	0.061	0.092	0.164	0.170	0.194
Casing		Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)	m ³ /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
	cfm	459/441/406/388/353		600/477/441/424/388	812/724/671/512/388	830/741/706/565/477	865/777/724/706/530	1,183/1,077/953/830/741	1,218/1,112/1,006/900/812	1,253/1,147/1,041/935/812
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)	φ 6.4				φ 9.5				
	Gas (Flare)	φ 12.7				φ 15.9				
	Drain	VM/V4: VP25 (External Dia. 32/Internal Dia. 25) or VS: External Dia. 34/Internal Dia. 25								

MODEL NAME		FXFRQ25AVS	FXFRQ32AVS	FXFRQ40AVS	FXFRQ50AVS	FXFRQ63AVS	FXFRQ80AVS	FXFRQ100AVS	FXFRQ125AVS	FXFRQ140AVS
Power supply		VM: 1-phase, 220-240 V/220-230 V, 50/60 Hz or V4VS: 1-phase, 220 V, 50 Hz								
Cooling capacity	Btu/h	9,600	12,300	15,400	19,100	24,200	30,700	38,200	47,800	54,600
	Btu/h*	9,600	12,300	15,700	19,500	24,600	30,800	38,600	48,200	55,000
	kW	2.8 / 2.8*	3.6 / 3.6*	4.5 / 4.6*	5.6 / 5.7*	7.1 / 7.2*	9.0 / 9.0*	11.2 / 11.3*	14.0 / 14.1*	16.0 / 16.1*
Power consumption	kW	0.029		0.036	0.040	0.063	0.096	0.158	0.178	0.203
Casing		Galvanised steel plate								
Airflow rate (H/HM/M/ML/L)	m ³ /min	13/12.5/11.5/11/10		17/13.5/13/12/11	18/17/13.5/12.5/11	21/20/16/15/13.5	22.5/21.5/21/20/15	32/29/26/23/21	33/30.5/28/25.5/21	35.5/32.5/29.5/26.5/23
	cfm	459/441/406/388/353		600/477/459/424/388	635/600/477/441/388	741/706/565/530/477	794/759/741/706/530	1,130/1,024/918/812/741	1,165/1,077/988/900/741	1,253/1,147/1,041/935/812
Sound level (H/HM/M/ML/L)	dB(A)	30/29.5/28.5/28/27		35/29.5/29/28/27	35/33.5/29.5/28.5/27	36/35.5/31.5/31/28	37/36.5/36/35.5/29.5	43/40.5/37.5/35/33	44/41.5/39/36.5/33	46/43.5/40.5/38/35
Dimensions (HxWxD)	mm	256x840x840						298x840x840		
Machine weight	kg	19				22		25	26	
Piping connections	Liquid (Flare)	φ 6.4				φ 9.5				
	Gas (Flare)	φ 12.7				φ 15.9				
	Drain	VM/V4: VP25 (External Dia. 32/Internal Dia. 25) or VS: External Dia. 34/Internal Dia. 25								

- Notes: Specifications are based on the following conditions;
- Cooling: Indoor temp.: 27°CDB, 19°CWB; *27°CDB, 19.5°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
 - Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Height 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.

Option list

Name of option		MODEL NAME	FXFTQ25,32,40,50,63,80AVS	FXFTQ100,125,140AVS	FXFRQ25,32,40,50,63,80AVS	FXFRQ100,125,140AVS
Standard panel with sensing	Fresh white		BYCQ125EEF			-
	Black		BYCQ125EEK			-
Standard panel	Fresh white		BYCQ125EAF			BYCQ125EAF
	Black		BYCQ125EAK			BYCQ125EAK
Panel spacer			KDB551160F			KDB551160F