

3D Airflow Duct with Sensing Type

FXDSQ-A

3D airflow with sensing function for comfort and energy savings

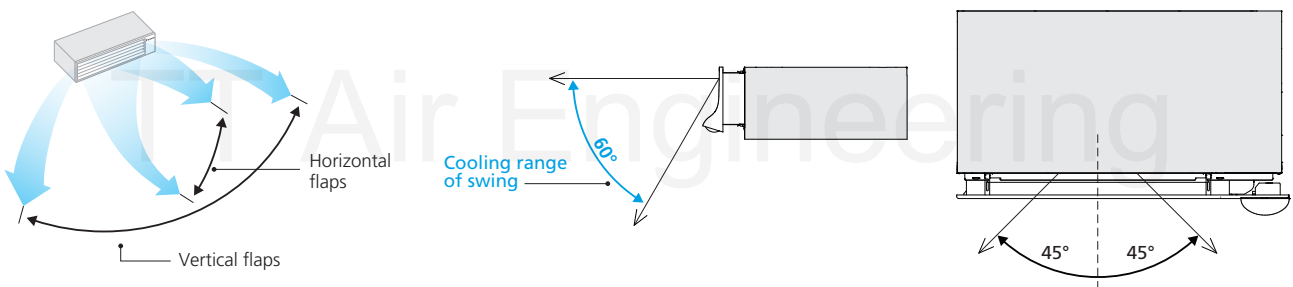


Comfort

3D airflow

The wide coverage of the airflow angle creates a comfortable 3D airflow.

- Horizontal & Vertical direction can be adjusted freely by the remote controller settings as to provide 3D airflow to every corner of the room.
- Can freely select 5 positions and swing mode for each up/ down and left/right direction with remote controller.



5-step & auto airflow control

- Control of airflow rate can be selected from 5-step and Auto to provide comfortable airflow.

Installation flexibility

Slim design

- Slim and compact design with a height of only 200 mm and the depth of only 450 mm which is suitable to install in limited spaces.



* Panel dimensions are not included.

Daikin advanced sensing technology

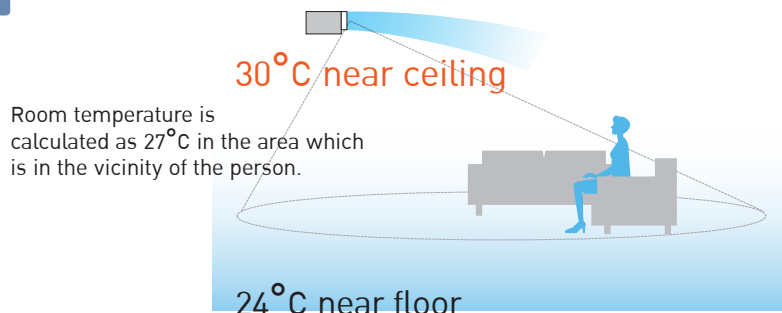
Dual sensors



- Infrared presence sensor**
 The presence sensor detects where people are and adjusts the airflow direction accordingly.
- 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.

■ Comfort and energy saving preventing over cooling

Cooling



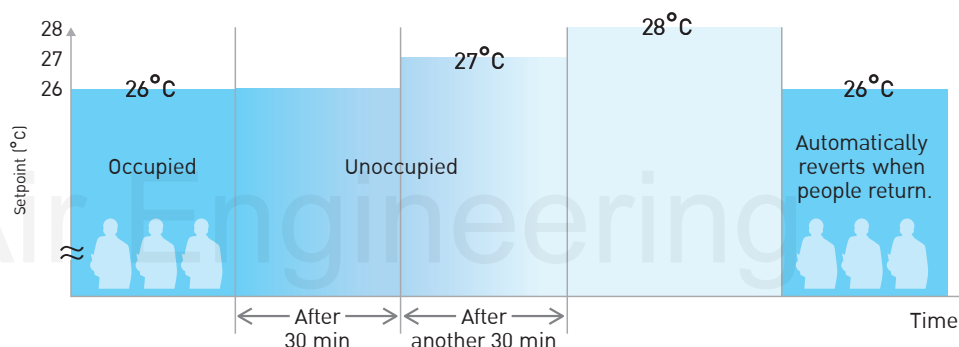
■ Sensing sensor mode

Example

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

Sensing sensor low mode (default: OFF)

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



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.

Specifications

MODEL		FXDSQ20AVM	FXDSQ25AVM	FXDSQ32AVM	FXDSQ40AVM	FXDSQ50AVM	FXDSQ63AVM
Power supply		1-phase, 220-240/220-230 V, 50/60 Hz					
Cooling capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Btu/h*	7,500	9,600	12,300	15,500	19,300	24,400
	kW	2.2/2.8*	3.6/3.6*	4.5/4.6*	5.6/5.7*	7.1/7.2*	9.0/9.1*
Power consumption ^{†1}	kW	0.028	0.029	0.032	0.049		0.054
Casing		Galvanized steel plate					
Airflow rate (H/HM/M/ML/L)	m ³ /min	8.7/8.1/7.6/7.0/6.5	9.0/8.5/8.0/7.5/7.0	10.0/9.3/8.6/7.9/7.2	12.0/11.2/10.5/9.7/9.0	15.0/14.0/13.0/11.5/10.5	19.0/17.0/15.0/13.0/11.5
External static pressure	Pa	10-0 ^{†2}					
Sound level (H/HM/M/ML/L) ^{†1,†3}	dB(A)	31/29/27/26/24	31/29/27/26/24	34/32/30/29/27	39/37/35/33/31		39/37/35/33/30
Dimensions (H×W×D)	mm	200×700×450				200×900×450	200×1,100×450
Machine weight	kg	17				20	23
Piping connections	Liquid (Flare)	φ6.4 (flare)					
	Gas (Flare)	φ12.7 (flare)					
	Drain	PVC26 (External Dia. 26 / Internal Dia. 20)					
3D Auto swing panel	Dimensions (H×W×D)	180×722×70				180×922×70	180×1,122×70
	Colour	Fresh white					
	Weight	1.0				1.5	2.0

Note: 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: 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.

^{†1} : Values are based on external static pressure of 10 Pa.

^{†2} : External static pressure is changeable to set by the remote controller. This pressure means "High static pressure - Standard" . (Factory setting is 10 Pa)

^{†3} : The values of operation sound level represent those for rear-suction operation. Sound level values for bottom-suction operation can be obtained by adding 5 dB(A).