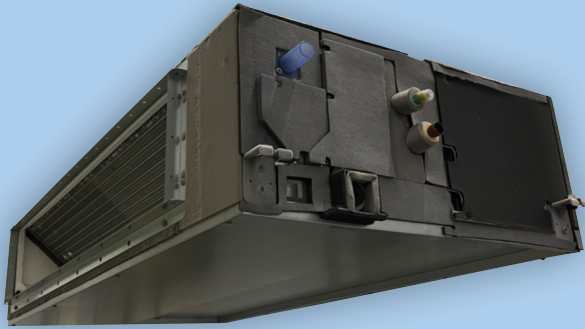




Perfecting the Air

- IMPROVES IAQ WITH FRESH AIR VENTILATION
- ENERGY EFFICIENT PRODUCT
- PERFECT FIT FOR OFFICE AND COMMERCIAL APPLICATION



HEATING AND COOLING SOLUTIONS

## FXMQ-AFVM



**OUTDOOR-AIR PROCESSING UNIT  
(ROOM TEMPERATURE CONTROL TYPE)**

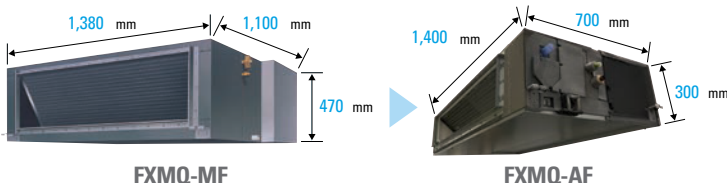
Combine fresh air treatment and air conditioning supplied from a single system.

Our outdoor air processing units are able to pre-condition the outside air to deliver a variable discharge air temperature by controlling the **room air temperature** to suit your needs.



### SLIM AND COMPACT DESIGN

Only 300 mm in height and 700 mm in depth, the new casing comes with smaller footprint and with 59% reduction\*\* in unit size.



\*\*Reduction in size compared to conventional FXMQ200/250MF series



**9.0kW**  
-TO-  
**28.0kW**  
RATED COOLING CAPACITIES

**8.1kW**  
-TO-  
**25.0kW**  
RATED HEATING CAPACITIES

**4**  
MODELS



### ADDITIONAL NEW SMALL CAPACITY MODEL

The new 9 kW capacity model is the perfect fit for smaller business such as small/medium-sized shops and convenience stores.



### 3-STEP AIRFLOW CONTROL and AUTO

Control of the airflow rate has been improved from 1-step to 3-step control, which enhance usage and design flexibility.



### ADJUSTABLE EXTERNAL STATIC PRESSURE

Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.

Adjustable External Static Pressure

**50 Pa** **200 Pa**



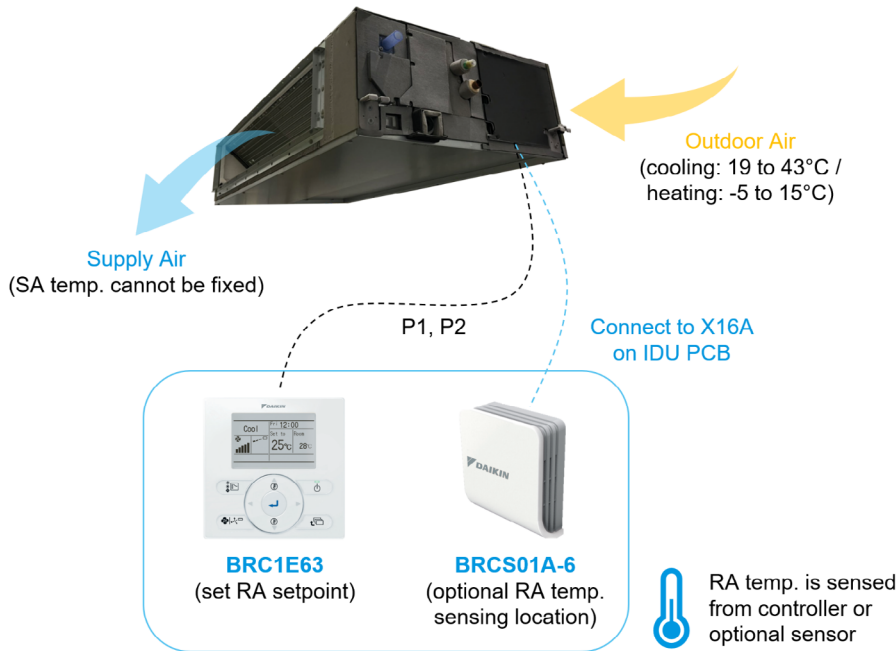
### BUILT-IN DRAIN PUMP

Provides lift of up to 700mm. Powered directly from the indoor unit PCB.

## OUTDOOR-AIR PROCESSING / ROOMTEMPERATURE CONTROL

The unit improves IAQ (Indoor Air Quality) with fresh air ventilation and room temperature control.

- Room Air (RA) temperature is used as feedback to the operation of FXMQ-AFVM OAP unit
- RA temp. sensing occurs from either built-in sensor in wired controller or remote temp. sensor (BRCS01A-6)
- User can set the desired RA setpoint (16 - 32°C) via the controller (as per setting setpoint for VRV IDU)
- FXMQ-AFVM will deliver the required colling/heating capacity to achieve this desired setpoint

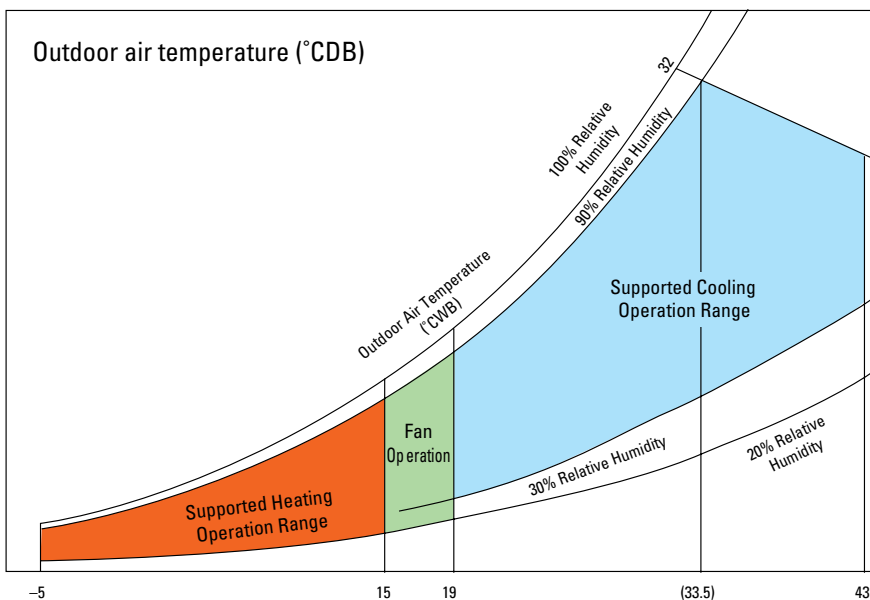


\* This unit cannot be used to handle internal heat loads.

\* The discharge air temperature changes depending on the air conditioning load, outside air temperature, and operation of the protective device. When the protection function is activated, unprocessed outside air maybe sent directly.

\* The fan stops in defrosting, oil returning and hot start operations due to mechanical protection control.

## EXTENDED OPERATION RANGE



Extended operation range: \*

**Cooling** : 15°CDB to 43°CDB

**Heating** : -5°CDB to 19°CDB

\* The operation range can be extended to 15°C in cooling operation and 19°C in heating operation by field setting. When fresh air intake mode is enabled during cooling operation, operation range cannot be extended. (limit at 19 to 43°C).

## VRV CONTROL

With the VRT\* control feature, higher efficiency can be achieved.

\*Default setting is VRT off and field setting is required.



## HIGH EFFICIENCY FILTER (MERV8/MERV14) (OPTION)

The filter options of MERV8 and MERV14 are available.\*  
The high efficiency filter can help remove infectious aerosol in the air.

\*Filter chamber is required



MERV8 filter



MERV14 filter

## SPECIFICATIONS

MODEL			FXMQ80AFVM	FXMQ140AFVM	FXMQ200AFVM	FXMQ250AFVM
Power Supply			1 phase, 220-230-240 V, 50/60 Hz			
Cooling capacity <sup>*1</sup>	Btu/h		30,700	54,600	76,400	95,500
	kW		9.0	16.0	22.4	28.0
Heating capacity <sup>*1</sup>	Btu/h		27,600	47,800	68,200	85,300
	kW		8.1	14.0	20.0	25.0
Power Consumption	Cooling	kW	0.080	0.100	0.115	0.180
	Heating		0.095	0.125	0.155	0.225
Casing			Galvanised Steel Plate			
Dimensions (HxWxD)		mm	300x700x700	300x1,000x700	300x1,400x700	
Fan	Motor Output	kW	0.140	0.350		
	Airflow rate (H/M/L)	ℓ/s	192/143/97	342/257/172	483/363/242	600/450/300
		m <sup>3</sup> /min	11.5/8.6/5.8	20.5/15.4/10.3	29.0/21.8/14.5	36.0/27.0/18.0
	External Static Pressure	Pa	Rated 100 (200-50)			
Air Filter			*2			
Piping Connections	Liquid	mm	Ø 9.5 (Flare)			
	Gas		Ø 15.9 (Flare)		Ø 19.1 (Brazing)	Ø 22.2 (Brazing)
	Drain		VP25 (External Dia. 32/Internal Dia. 25)			
Machine weight		kg	29	37	47	48
Sound Level (H/M/L) <sup>*3</sup>		dB(A)	37.5/30/23	41/34/25	42/35/26	44/36/27
Operation Range <sup>*4</sup>	Cooling	°CDB	19 to 43			
	Heating		-5 to 15			

### Notes:

\*1. The capacity is the maximum value under the following conditions:

- Cooling: Indoor temp. of 33°CDB, 28°CWB, Outdoor temp. of 33°CDB.
- Heating: Indoor temp. 0°CDB, -2.9°CWB, Outdoor temp. 0°CDB, -2.9°CWB.
- Equivalent reference piping length: 7.5 m (0 m horizontal)
- The rated external static pressure and air volume are set in ().

\*2. An intake filter is not supplied, so be sure to install the optional long-life filter or high-efficiency filter.

\*3. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Your Local Daikin Specialist Dealer: