

PROJECT NAME:

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

FEATURES AND BENEFITS

Design flexibility

Ajustable external static pressure

- Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 250 Pa.

Compact design

- Light weight by changing copper tube diameter of heat exchanger from \$8 to \$7 mm.

Easy Installation

Airflow rate auto adjustment function

- During installation, even if the external static pressure changes due to a change in the duct route, the airflow can be automatically adjusted to within the unit's external static pressure range.

- Airflow rate can be controlled using a remote controller during test operation. It is automatically adjusted to the range between approximately #10 % of the rated H tap airflow.

Built-in pre-filter slot

- To cater for easy installation of filter at site, a filter rail is available at the return flange.

Drain pump kit (optional)

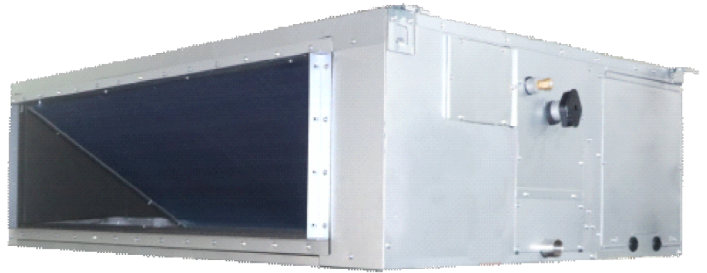
- Steeper gradient realizes more efficient condensate drainage. High-lift is especially useful for long length of drain piping. Drain pump is offered as optional accessory with 750 mm lift.

Easy maintenance

- Inspection and cleaning is facilitated by separating the inspection opening and the drain pan maintenance check hole.

- Heat exchanger, drain pan and fan deck can be easily accessed and removed from bottom for maintenance.

EXTERNAL APPEARANCE



R-410A

SPECIFICATIONS

Model		FXMQ200PVM		
Power supply		1 phase, 220-240/220-230 V, 50/60 Hz		
*1 *3 Cooling capacity	kcal/h	19,300		
	Btu/h	76,400		
	kW	22.4		
*2 *3 Heating capacity	kcal/h	21,500		
	Btu/h	85,300		
	kW	25.0		
*7 Power input	Cooling	kW	0.55	
	Heating	kW	0.54	
Casing / Colour		Galvanized steel plate		
Dimensions: (H×W×D)		mm	470×1,490×1,100	
Fan	Model		KH9X9-PR708	
	Type		Sirocco fan	
	Motor output × Number of units		W	648 × 1
	Airflow rate (HH/H/L)	m ³ /min		74/61/50
		l/s		1,233/1,017/833
		cfm		2,612/2,153/1,765
External static pressure		Pa	Rated 150 (250-50) *4	
Drive		Direct drive		
Temperature control		Microprocessor thermostat for cooling and heating		
Air filter		— *5		
Piping connections	Liquid	mm	9.5 (Flare connection)	
	Gas	mm	19.1 (Flange connection)	
	Drain	BSP 1 inch internal thread		
Mass		kg	95	
*6 Sound pressure level (HH/H/L)		dB(A)	42/38/35	
Safety devices		Fuse, Fan driver overload protector		
Refrigerant control		Electronic expansion valve		
Standard accessories		Operation manual, Installation manual, Connection pipe with flange, Screws, Clamps		
Drawing No.	Specification		C: 3D117713B	
	Sound level		C: 3D118400A	
<p>Notes:</p> <p>*1. Indoor temp.: 27°CDB, 19°CWB / Outdoor temp.: 35°CDB / Rated external static pressure / Equivalent piping length: 7.5 m, level difference: 0 m.</p> <p>*2. Indoor temp.: 20°CDB / Outdoor temp.: 7°CDB, 6°CWB / Rated external static pressure / Equivalent piping length: 7.5 m, level difference: 0 m.</p> <p>*3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.</p> <p>*4. External static pressure is changeable in 15 stages within the () range by remote controller.</p> <p>*5. Pre-filter is an optional accessory. There is a slot for pre-filter at the suction flange.</p> <p>Other type of filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.</p> <p>*6. Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre.</p> <p>These values are normally somewhat higher during actual operation as a result of ambient conditions.</p> <p>*7. Power input values are based on conditions of rated external static pressure.</p> <p>8. Refer to Electric Characteristics for the power input when the airflow rate is maximum at maximum external static pressure.</p>				

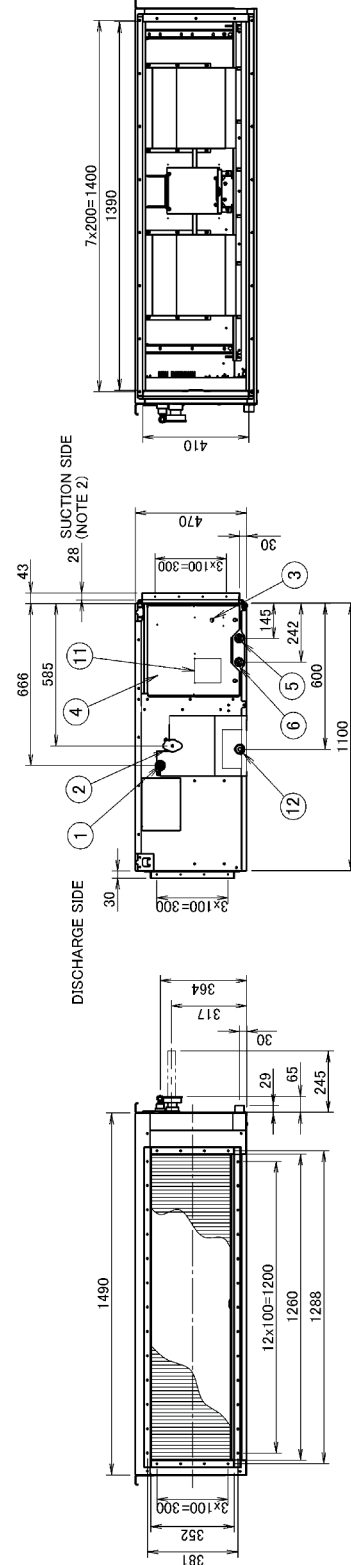
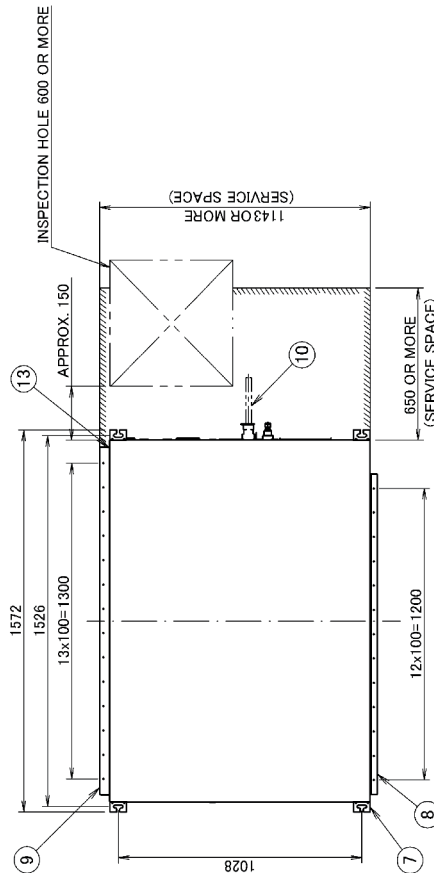
DIMENSIONS

Unit: mm

Piping size (Field supply)		
Indoor unit	Gas side	Liquid side
FXMQ200PVM	Ø 19.1 attached piping	Ø 9.5

- Notes:
- Location of unit's Manufacturer's label : Control box surface. Mount the air filter at the suction side.
 - Select its dust collection efficiency (gravity method) 50% or more.

Number	Name	Description
13	Pre-filter service cover	GSP 1/2 inch Internal thread
12	Drain piping connection	Major dia. Ø33.3 Minor dia. Ø30.3
11	Manufacturer's Label	Brazing
10	Attached piping	
9	Suction Flange	
8	Discharge Flange	
7	Hook	M10
6	Transmission wiring connection	
5	Power supply wiring connection	
4	Control box	
3	Ground terminal	M5 (inside control box)
2	Gas pipe connection	Attendant piping connection
1	Liquid pipe connection	Flare connection



3D117990A