

PROJECT NAME:

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

FEATURES AND BENEFITS

Installation flexibility

Slim design

- With a height of only 300 mm, installation is possible even in buildings with narrow ceiling spaces.

Standard DC drain pump

- DC drain pump is equipped as standard accessory with 700 mm lift.

Bottom suction possible

- Bottom suction is possible which facilitate installation and maintenance. Wiring connections and maintenance of control box can be done from under the unit with an optional shield plate for side plate* extending the degree of freedom for installation in the ceiling.

Design flexibility

Adjustable external static pressure

- Using a DC fan motor, the external static pressure can be controlled within a range of 30 Pa* to 200 Pa*.

Comfortable airflow is achieved in accordance with conditions such as duct length.

Comfort

Switchable airflow rate

- Control of the airflow rate can be selected from 3-step control.

Auto airflow rate

- 5-step airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

Auto airflow rate control can be selected with wired remote controller BRC1E63 and BRC2E61.

EXTERNAL APPEARANCE



R-410A

SPECIFICATIONS

Model			FXMQ80PAVE	
Power supply			1 phase, 220-240/220 V, 50/60 Hz	
*1 *3 Cooling capacity		kcal/h	7,700	
		Btu/h	30,700	
		kW	9.0	
*2 *3 Heating capacity		kcal/h	8,600	
		Btu/h	34,100	
		kW	10.0	
*7 Power input	Cooling	50 Hz	kW	0.185
		60 Hz	kW	0.184
	Heating	50 Hz	kW	0.173
		60 Hz	kW	0.173
Casing / Colour			Galvanized steel plate	
Dimensions: (HxWxD)			mm	300x1,000x700
Coil (Cross fin coil)	Rows x Stages x Fin pitch		mm	3x16x1.75
	Face area		m ²	0.249
Fan	Model			—
	Type			Sirocco fan
	Motor output x Number of units		W	350x1
	Airflow rate (HH/H/L)		m ³ /min	25/22.5/20
			l/s	417/375/333
			cfm	883/794/706
External static pressure		Pa	Rated 100 (200-50 *4)	
Drive			Direct drive	
Temperature control			Microprocessor thermostat for cooling and heating	
Air filter			— *5	
Piping connections	Liquid pipes		mm	φ9.5 (Flare connection)
	Gas pipes		mm	φ15.9 (Flare connection)
	Drain pipe		mm	VP25 (External dia. 32) Internal dia. 25
Mass			kg	35
*6 Sound pressure level (HH/H/L)			dB(A)	43/41/39
Sound power level (H)			dB	61
Safety devices			Fuse, Fan driver overload protector	
Refrigerant control			Electronic expansion valve	
Standard accessories			Operation manual, Installation manual, Drain hose, Sealing pads, Clamps, Washers, Screws, Insulation for fitting, Clamp metal, Air discharge flange, Air suction flange	
Drawing No.	Specification		C: 3D 105230B	
	Sound level		C: 4D060429C	
<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 7 stages (FXMQ20/25/32PAVE), 13 stages (FXMQ40PAVE), 14 stages (FXMQ50/63/80/100/125PAVE), 10 stages (FXMQ140PAVE) within the () range by remote controller.</p> <p>*5. Air 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 center. During actual operation, these values are normally somewhat higher 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>				

