

SUBMITTAL DATA SHEET

MODEL: WALL MOUNTED 50/60 Hz - FXAQ50AVM

PROJECT NAME:

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

FEATURES AND BENEFITS

Elegant Appearance with Curved Panel

The sleek design of the FTXJ-N indoor unit features a uniquely European style. This elegant body houses state-of-the-art technology which delivers superior performance. The FTXJ-N series offers a versatile choice for home-owners, designers and architects alike.

Features

Stylish new design

Improve panel design: Flat stylish panel & White

Energy saving

Apply VRT smart control to improve energy efficiency in partial load.

New optional External EV kit (for heating operation) *1

External Expansion Valve kit can be connected outside indoor room for low noise during heating operation in bed room and hotel.

Flexible airflow direction

Auto swing (up and down) realizes efficiency of air distribution.

Horizontal flap can be adjusted to 5 steps of discharge angle. (Available for both using with wired & wireless remote controllers.)

Note *1. External EV kit is available in Australia, New Zealand, Vietnam, Hong Kong, Pakistan, and Latin America.

It is only effective for reducing operation sound during heating operation. Therefore, it is ineffective when connected to cooling only outdoor units.

EXTERNAL APPEARANCE



R-410A

Model			FXAQ50AVM		
Power supply			1 phase, 220-240/220-230 V, 50/60 Hz		
*1 *3 Cooling capacity			kcal/h	4,800	
			Btu/h	19,100	
			kW	5.6	
*2 *3 Heating capacity			kcal/h	5,400	
			Btu/h	21,500	
			kW	6.3	
Power input	Cooling	50 Hz	kW	0.060	
		60 Hz	kW	0.060	
	Heating	50 Hz	kW	0.070	
		60 Hz	kW	0.070	
Casing / Colour			Resin / White N9.5		
Dimensions: (HxWxD)			mm	290x1,050x269	
Coil (Cross fin coil)	Rows x Stages x Fin pitch		mm	2x14x1.4 (φ6.35)	
	Face area		m ²	0.235 (0.145+0.090)	
Fan	Model		ARW30WBP43DK		
	Type		Cross flow fan		
	Motor type		DC Fan Motor		
	Motor output x Number of units		W	43x1	
	Airflow rate (H/L)			m ³ /min	15.0/12.0
				l/s	250/200
		cfm	530/424		
Air filter			Washable resin net		
Piping Connections	Liquid pipes		mm	φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)	
	Drain pipe		mm	VP13 (External dia. 18, Internal dia. 15)	
Mass			kg	15.0	
*4 Sound pressure level (H/L)	Cooling		dB(A)	41.0/35.5	
	Heating		dB(A)	42.0/35.5	
Safety devices			Fuse		
Refrigerant control			Electronic expansion valve		
Standard accessories			Operation manual, Installation manual, Installation panel, Paper pattern for installation, Insulation tape, Clamps, Screws		
Drawing No.	Specification		C: 3D121836A		
	Sound level		C: 4D122387A		
Notes: *1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m. *2. Indoor temp.: 20°CDB, 15°CWB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m. *3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. *4. Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.					

Conversion formulae

$$\begin{aligned} \text{kcal/h} &= \text{kW} \times 860 \\ \text{Btu/h} &= \text{kW} \times 3412 \\ \text{cfm} &= \text{m}^3/\text{min} \times 35.3 \\ \text{l/s} &= \text{m}^3/\text{min} \times 1000/60 \end{aligned}$$

