

# SUBMITTAL DATA SHEET

MODEL: 2-WAY CASSETTE 50/60 Hz - FXCQ25AVM

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

#### **FEATURES AND BENEFITS**

### New panel design

This model features a stylish flat panel with fresh white color for a new sophisticated appearance.

The flat flaps close entirely when the unit is not operating and there are no air intake grilles visible.

### Individual Airflow Direction Control \*1

Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

\*1. Applicable when wired remote controller BRC1E63 is used.

### Switchable fan speed: 5 steps and Auto

Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

## Suitable for high ceilings

Even in spaces with high ceilings maximum 3.5 m, a comfortable airflow is carried down to the floor level.

### Energy saving: Reduction of energy consumption

Power consumption is significantly reduced by specially developed small tube heat exchanger and DC fan motor.

#### Enhanced functions from various aspects such as maintenance

The flap parts are easy to clean because it is hard to condensate and get dirty.

Drain pump is equipped as standard accessory with 850 mm lift.

Check contamination in drain pan by simply remove suction grille and panel. Equipped with long life filter which requires only 1-year maintenance interval.

Adjuster pockets mount at four corners of the unit enable to adjust the main unit without removing the panel.

An antibacterial treatment that uses silver ions has been applied to the drain pan, preventing the growth of slime, mould and bacteria that cause blockages and odours. (The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)

#### **EXTERNAL APPEARANCE**



R-410A



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SP	EC	FIC	CAT	ΓΙΟ	NS

Model			FXCQ25AVM		
*1 Power supply			1 phase, 220-240/220-230 V, 50/60 Hz		
		kcal/h	2,400		
*2 *5 Cooling capacity		Btu/h	9,600		
		kW	2.8		
*3 *5 Heating capacity		kcal/h	2,800		
		Btu/h	10,900		
Power input Cooling Heating		kW kW	3.2 0.039		
		kW	0.035		
Casing / Colour			Galvanized steel plate		
Dimensions: (H×W×D)		mm	305×775×620		
Coil (Cross fin coil)	Rows × Stages × Fin pitch	mm	(2×16×1.2)×1		
Con (Cross in Con)	Face area	m²	0.334		
	Model		ARW5207DK		
	Туре		Turbo fan		
	Motor output × Number of units	W	56×1		
Fan		m³/min	11.5/10.5/9.5/8.5/8		
	Airflow rate (H/HM/M/ML/L)	l/s	192/175/158/142/133		
		cfm	406/371/335/300/282		
	Drive		Direct drive		
Temperature control			Microprocessor thermostat for cooling and heating		
	Liquid pipes	mm	φ6.4 (Flare connection)		
Piping connections	Gas pipes	mm	φ12.7 (Flare connection)		
. •	*4 Drain pipe	mm	VP25 (External dia. 32) Internal dia. 25		
Mass		kg	19		
*6 Sound pressure level (H/HM/M/ML/L)		dB(A)	34.0/33.0/31.0/30.0/29.0		
Safety devices			Fuse		
Refrigerant control			Electronic expansion valve		
Decoration panels (Option)	Model		BYBCQ40CF		
	Panel colour		Fresh White (6.5Y9.5/0.5)		
	Dimensions: (H×W×D)	mm	55×1,070×700		
	Air filter		Resin net (with mould resistance)		
	Mass	kg	10		
Standard accessories			Operation manual, Installation manual, Declaration of conformity, Installation pattern paper, Washer for hanger, Metal clamp, Drain hose, Joint insulation materials, Washer clamp, Sealing materials, Clamps, Screv Insulation piping cover for drain piping		
Drawing No.	Specification		C: 3D117680A		
	Sound level		C: 4D118219A		

#### Notes:

- $\textbf{*1.} \ \ Indoor \ temp.: \ 27^{\circ}CDB, \ 19^{\circ}CWB \ / \ outdoor \ temp.: \ 35^{\circ}CDB \ / \ Equivalent \ piping \ length: \ 7.5 \ m, \ level \ difference: \ 0 \ m.$
- \*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 1.5 m downward from the unit center.



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Unit: mm

**DIMENSIONS** 

VP25(0. D.  $\phi$  32 (0. D.  $\phi$  34 for Thailand only), I. D.  $\phi$  25) 0. D. φ 32 (0. D. φ 34 for Thailand only) (Main body side connection: 0. D. φ 26) \$12.7mm flare connection \$6.4mm flare connection 510 ranch duct connection Require space 1500 mm or more Wiring penetrating hole Drain hose (Accessory) Liquid piping connection Drain piping connection Gas piping connection Suction panel Air outlet stand name plate(Note, 3) Number 910M 10 00 8 S  $\infty$ 9 N (148) 300 or less 820(Hanger bolt pitch) 1030(Ceiling opening) 360 Branch duct AV:ew ু ⟨₹ 6 (148) 0 0 L (Guinago enilia))048 Navier and location for manufacturer's label Manufacturer's label for indoor unit:
Suction pane inner side's control box lis surface
Manufacturer's label for decoration pane!
Suction pane inner side's pane! frame surface
Suction pane inner side's pane! frame surface
2, Man installing an optional accessory, refer to the installation drawings.
In case of using wireless remote controller, this position will be a signal receiver.
Refer to the drawing of wireless remote controller in detail.
A when the temperature and hamidity in the ceiling exceed 30°C and RH 80%, the additional instaltion is required.
Insulation : Thickees Domn or more. Glass wool or polyethylene foam.

Please do not place the thing been damp and trouble under an indoor unit.

When the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall. 3 2 0 355 or more\_ (Knock hole) P.C.D. ¢176 4-M4 hole

3D117667