

VRV 7



FXSA NEW Middle Static Pressure Duct

2.2kW
-TO-
16.0kW
RATED COOLING
CAPACITIES

2.5kW
-TO-
18.0kW
RATED HEATING
CAPACITIES

10
MODELS

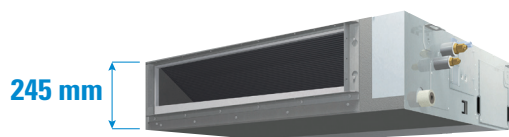
NEW R32 The FXSA-AVM series is designed to meet the construction challenges of modern commercial and medium density apartment development.

Featuring industry leading low profile height of only 245mm for installation into tight ceiling space and Automatic Airflow Adjustment feature for simplified on-site commissioning.



FLEXIBLE INSTALLATION

Ability to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.



Slim Design

With a height of only 245 mm, installation is possible even in buildings with narrow ceiling spaces.

Standard DC Drain Pump

DC drain pump is equipped as standard accessory with 850 mm lift.

Bottom Suction Possible

Bottom suction is possible which facilitates 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.



DESIGN FLEXIBILITY

Using a DC fan motor, the external static pressure can be controlled within a range of 30 Pa* to 150 Pa

Adjustable External Static Pressure

30Pa*

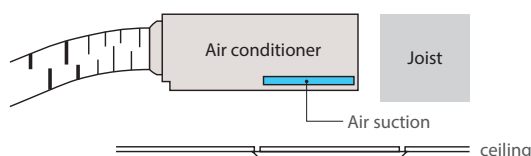
150 Pa

Set to low static pressure when ducts are short.

Set to high static pressure for advanced needs such as when using dampers and long ducts.

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

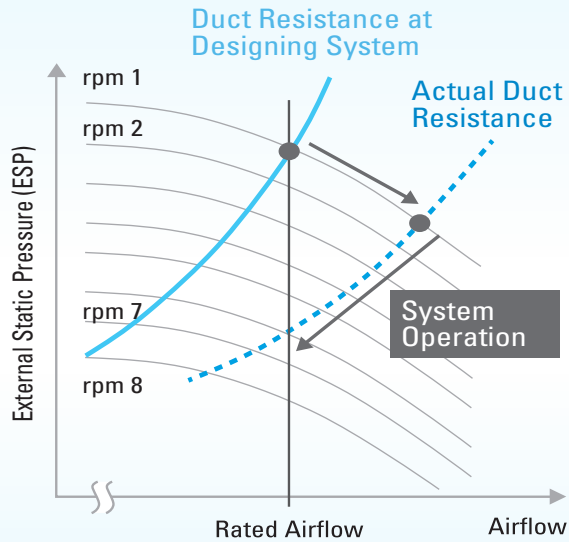
*30 Pa–150 Pa for FXSA20–40A
50 Pa–150 Pa for FXSA50–125A
50 Pa–140 Pa for FXSA140A





COMFORT

3-step fan speed and Auto are available for control of the airflow rate. Auto airflow rate control can be selected with wired remote controller (BRC1E63).



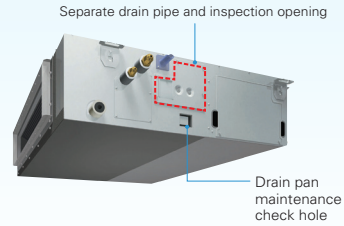
Notes:

"Airflow rate auto adjustment function" can be adjusted within $\pm 10\%$ of rated airflow. (Refer to Engineering Data Book for details). "Airflow rate auto adjustment function" should be used at field setting only.



EASY MAINTENANCE

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



CLEANLINESS

Silver ion anti-bacterial drain pan

Prevents the growth of slime, bacteria, and mould that cause odours and clogging.

* Drain pan should be changed once every two to three years.



Specifications

INDOOR UNIT		FXSA20AVM	FXSA25AVM	FXSA32AVM	FXSA40AVM	FXSA50AVM	FXSA63AVM	FXSA80AVM	FXSA100AVM	FXSA125AVM	FXSA140AVM	
Power Supply		1-phase, 220-240 V/220-230 V, 50/60 Hz										
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0
Heating capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0	1.0	12.5	16.0	18.0
Power consumption	Cooling	kW	0.058		0.066	0.101	0.075	0.106	0.126	0.151	0.206	0.222
	Heating		0.053		0.061	0.096	0.070	0.101	0.121	0.146	0.201	0.217
Casing / Colour		Galvanised steel plate										
Airflow rate (HH/H/L)	m³/min	9/8.3/7.5/7/6.5		9.5/8.8/8/7.5/7	15/13.8/12.5/11.5/10.5	17/15.7/14.5/13/11.5	21/19.3/17.5/16/14.5	23/21.3/19.5/17.8/16	32/29.5/27/24.7/22.5	37/33.9/31.5/28.4/26	39/36.3/33.5/30.8/28	
External static pressure ^{*2}	Pa	30-150 (50)				50-150 (50)					50-140 (50)	
Sound level (HH/H/L)	dB(A)	33/31.5/30/29/28		34/33/32/31/30	36/34.5/33/31.5/30	34/33/32/30.5/29	36/34/32/30.5/29	37.5/36/34/32/30	39/37/35/33.5/32	42/40.5/38.5/37/35	43/41.5/40/38/36	
Dimensions (HxWxD)	mm	245x550x800			245x700x800	245x1,000x800			245x1,400x800		245x1,550x800	
Machine weight	kg	25			27	35		37	46	47	52	
Piping connections	Liquid (Flare)	mm	Ø6.4						Ø9.5			
	Gas (Flare)		Ø12.7						Ø15.9			
	Drain		VP25 (External Dia. 32/Internal Dia. 25)									

Notes:

Specifications are based on the following conditions;

*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.

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