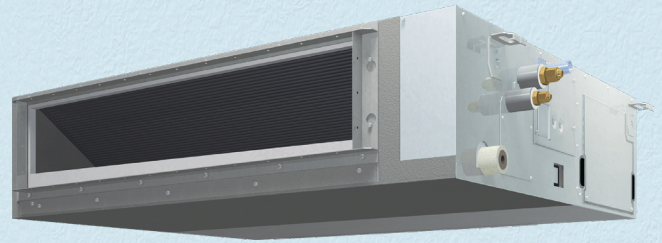




Perfecting the Air

- COMPACT DESIGN 245MM IN HEIGHT**
- AUTO AIRFLOW ADJUSTMENT FEATURE**
- PERFECT FIT FOR OFFICE OR COMMERCIAL APPLICATION**



HEATING AND COOLING SOLUTIONS

FXSQ-PAVE



MIDDLE STATIC PRESSURE DUCT TYPE

The FXSQ-PAVE 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.



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 FXSQ20-40PAVE
50 Pa–150 Pa for FXSQ50-125PAVE
50 Pa–140 Pa for FXSQ140PAVE

2.2kW
-TO-
16.0kW
RATED COOLING CAPACITIES

2.5kW
-TO-
18.0kW
RATED HEATING CAPACITIES

10
MODELS



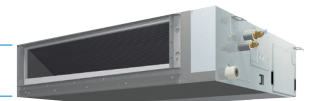
COMFORT

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).



FLEXIBLE INSTALLATION

245 mm



Slim Design

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

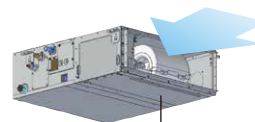
Standard DC Drain Pump

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

Bottom Suction Possible

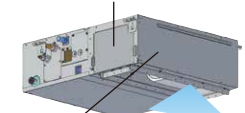
Air suction direction can be altered from rear to bottom suction.

• REAR SUCTION



• BOTTOM SUCTION

Shield plate for side plate* (Option)



Switch bottom plate with air suction flange.

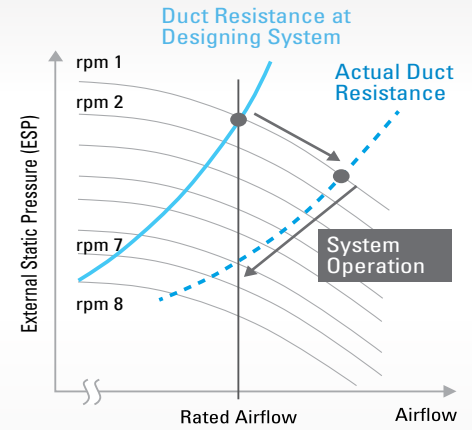
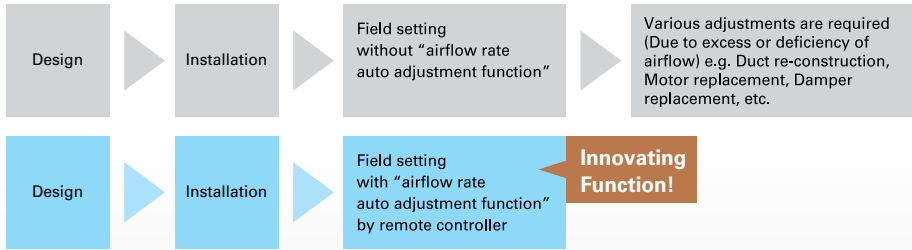
*An option shield plate for side plate is required if wiring connections and maintenance of control box are needed from under the unit. This option is only available for FXSQ20-125PA models.



AUTOMATIC AIRFLOW ADJUSTMENT

“Airflow rate auto adjustment function” at field setting
(local setting by remote controller)

*This function can only be set via wired remote controller.



MECHANISM

1. During field setting, power input of DC fan is detected.
2. External static pressure is estimated from power input of DC fan because PCB of FXSQ-PA has table of external static pressure vs. power input of DC fan.
3. Actual duct resistance is calculated according to 1&2.
4. Fan speed is automatically adjusted to produce rated airflow.

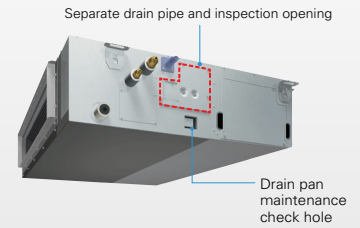
Notes:

“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.



SPECIFICATIONS

| MODEL | | FXSQ20PAVE | FXSQ25PAVE | FXSQ32PAVE | FXSQ40PAVE | FXSQ50PAVE | FXSQ63PAVE | FXSQ80PAVE | FXSQ100PAVE | FXSQ125PAVE | FXSQ140PAVE | |
|--------------------------|---------------------|--|------------|---------------------|---------------------|---------------------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|
| Power Supply | | 1-phase, 220-240 V/220 V, 50/60 Hz | | | | | | | | | | |
| Cooling Capacity | Btu/h | 7,500 | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 | 30,700 | 38,200 | 47,800 | 54,600 | |
| | kW | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 9.0 | 11.2 | 14.0 | 16.0 | |
| Heating Capacity | Btu/h | 8,500 | 10,900 | 13,600 | 17,100 | 21,500 | 27,300 | 34,100 | 42,700 | 54,600 | 61,400 | |
| | kW | 2.5 | 3.2 | 4.0 | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 18.0 | |
| Power Consumption | Cooling | kW | | 0.058 ^{*1} | 0.066 ^{*1} | 0.101 ^{*1} | 0.075 ^{*1} | 0.106 ^{*1} | 0.126 ^{*1} | 0.151 ^{*1} | 0.206 ^{*1} | 0.222 ^{*1} |
| | Heating | kW | | 0.053 ^{*1} | 0.061 ^{*1} | 0.096 ^{*1} | 0.070 ^{*1} | 0.101 ^{*1} | 0.121 ^{*1} | 0.146 ^{*1} | 0.201 ^{*1} | 0.217 ^{*1} |
| Casing | | Galvanised Steel Plate | | | | | | | | | | |
| Airflow rate (H/M/L) | ℓ/s | 150/125/108 | | 158/133/116 | 250/208/175 | 283/242/192 | 350/242/242 | 383/352/267 | 533/450/375 | 617/525/433 | 650/558/467 | |
| | m ³ /min | 9/7.5/6.5 | | 9.5/8/7 | 15/12.5/10.5 | 17/14.5/11.5 | 21/17.5/14.5 | 23/19.5/16 | 32/27/22.5 | 37/31.5/26 | 39/33.5/28 | |
| External Static Pressure | Pa | 30-150 (50) ^{*2} | | | | | 50-150 (50) ^{*2} | | | | | 50-140 (50) ^{*2} |
| Sound Level (H/M/L) | dB(A) | 33/30/28 | | 34/32/30 | 36/33/30 | 34/32/29 | 36/32/29 | 37.5/34/30 | 39/35/32 | 42/38.5/35 | 43/40/36 | |
| Sound Power (H) | dB(A) | 61 | | 62 | 64 | 62 | 64 | 65.5 | 67 | 70 | 71 | |
| Dimensions (HxWxD) | mm | 245x550x800 | | | 245x700x800 | 245x1,000x800 | | | 245x1,400x800 | | 245x1,400x800 | |
| Machine Weight | kg | 25 | | | 27 | 35 | 35 | 37 | 46 | 47 | 52 | |
| Piping Connections | Liquid (Flare) | φ 6.4 | | | | | φ 9.5 | | | | | |
| | Gas (Flare) | φ 12.7 | | | | | φ 15.9 | | | | | |
| | Drain | VP25 (External Dia. 32/Internal Dia. 25) | | | | | | | | | | |

Notes:

Specifications are based on the following conditions;

1. Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
2. Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 7.5 m, Level difference: 0 m.
3. Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
4. Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

*1: Power consumption values are based on conditions of rated external static pressure.

*2: External static pressure can be modified using a remote controller that offers thirteen (FXSQ20-40PA), eleven (FXSQ50-125PA) or ten (FXSQ140PA) levels of control. These values indicate the lowest and highest possible static pressures. The rated static pressure is 50 Pa.

Your Local Daikin Specialist Dealer:

