



# Air Conditioning

# Technical Data

Floor standing unit



EEDEN15-100

FVXS-F



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## FVXS-F

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# 1 Features

## Floor standing unit for optimal heating comfort thanks to dual airflow

- Its low height enables the unit to fit perfectly beneath a window
- Can be installed against a wall or recessed
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Online controller (optional): control your indoor from any location with an app, via your local network or internet
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- Whisper quiet operation: down to 23dBA sound pressure level



Econo mode



Night set mode



Fan only



Powerful mode



Auto cooling-  
heating  
changeover



Whisper quiet



Indoor unit  
silent operation



Vertical auto  
swing



Auto fan speed



Fan speed  
steps



Dry programme



Titanium apatite  
photocatalytic  
air purification  
filter



Weekly timer



Infrared remote  
control



Online  
controller via  
app



Auto-restart



Self diagnosis



Multi model  
application



VRV for  
residential  
application

## 2 Specifications

| 2-1 Technical Specifications |                         |         |                                  |        | FVXS25F            |                                     | FVXS35F     |                 | FVXS50F     |                 |             |  |
|------------------------------|-------------------------|---------|----------------------------------|--------|--------------------|-------------------------------------|-------------|-----------------|-------------|-----------------|-------------|--|
| Power input - 50Hz           | Cooling                 |         | Nom.                             |        | kW                 |                                     | 0.015       |                 |             | 0.027           |             |  |
|                              | Heating                 |         | Nom.                             |        | kW                 |                                     | 0.017       |                 |             | 0.034           |             |  |
| Casing                       | Colour                  |         |                                  |        | White              |                                     |             |                 |             |                 |             |  |
| Dimensions                   | Unit                    |         | Height/Width/Depth               |        | mm                 |                                     | 600/700/210 |                 |             |                 |             |  |
|                              | Packed unit             |         | Height/Width/Depth               |        | mm                 |                                     | 696/786/286 |                 |             |                 |             |  |
| Weight                       | Unit                    |         |                                  |        | kg                 |                                     | 14          |                 |             |                 |             |  |
|                              | Packed unit             |         |                                  |        | kg                 |                                     | 18          |                 |             |                 |             |  |
| Heat exchanger               | Length                  |         |                                  |        | mm                 |                                     | 510         |                 |             |                 |             |  |
|                              | Rows                    |         | Quantity                         |        |                    | 2                                   |             |                 |             |                 |             |  |
|                              | Fin pitch               |         |                                  |        | mm                 |                                     | 1.2         |                 |             |                 |             |  |
|                              | Stages                  |         | Quantity                         |        |                    | 22                                  |             |                 |             |                 |             |  |
|                              | Tube type               |         |                                  |        | ø6.35 Hi-XU        |                                     |             |                 |             |                 |             |  |
|                              | Fin                     |         | Type                             |        |                    | Multi slit fin                      |             |                 |             |                 |             |  |
|                              | Air filter              | Type    |                                  |        |                    | Removable / washable / mildew proof |             |                 |             |                 |             |  |
| Fan                          | Type                    |         |                                  |        | Turbo fan          |                                     |             |                 |             |                 |             |  |
|                              | Quantity                |         |                                  |        | -                  |                                     | 1           |                 |             |                 |             |  |
|                              | Air flow rate           | Cooling | High                             | m³/min |                    | 8.2                                 |             | 8.5             |             | 10.7            |             |  |
|                              |                         |         |                                  | cfm    |                    | 290                                 |             | -               |             |                 |             |  |
|                              |                         |         | Nom.                             | m³/min |                    | 8.2                                 |             | 8.5             |             | 10.7            |             |  |
|                              |                         |         |                                  | cfm    |                    | 290                                 |             | -               |             |                 |             |  |
|                              |                         |         | Low                              | m³/min |                    | 4.8                                 |             | 4.9             |             | 7.8             |             |  |
|                              |                         |         |                                  | cfm    |                    | 169                                 |             | -               |             |                 |             |  |
|                              |                         |         | Silent operation                 | m³/min |                    | 4.1                                 |             | 4.5             |             | 6.6             |             |  |
|                              |                         |         |                                  | cfm    |                    | 145                                 |             | -               |             |                 |             |  |
|                              |                         | Heating | High                             | m³/min |                    | 8.8                                 |             | 9.4             |             | 11.8            |             |  |
|                              |                         |         |                                  | cfm    |                    | 311                                 |             | -               |             |                 |             |  |
|                              |                         |         | Nom.                             | m³/min |                    | 6.9                                 |             | 7.3             |             | 10.1            |             |  |
|                              |                         |         |                                  | cfm    |                    | 244                                 |             | -               |             |                 |             |  |
|                              |                         |         | Low                              | m³/min |                    | 5.0                                 |             | 5.2             |             | 8.5             |             |  |
|                              |                         |         |                                  | cfm    |                    | 177                                 |             | -               |             |                 |             |  |
|                              |                         |         | Silent operation                 | m³/min |                    | 4.4                                 |             | 4.7             |             | 7.1             |             |  |
| cfm                          |                         |         |                                  | 155    |                    | -                                   |             |                 |             |                 |             |  |
| Fan motor                    | Quantity                |         |                                  |        | -                  |                                     | 1           |                 |             |                 |             |  |
|                              | Model                   |         |                                  |        | D48D-28            |                                     |             |                 |             |                 |             |  |
|                              | Speed                   | Steps   |                                  |        | 5 + silent, + auto |                                     |             | 5               |             |                 |             |  |
|                              |                         | Cooling | High/Medium/Low/Silent operation | rpm    | 640/520/400/360    |                                     |             | 650/530/410/380 |             | 800/700/600/520 |             |  |
|                              |                         |         |                                  |        | 680/550/420/380    |                                     |             | 700/560/420/390 |             | 850/740/630/540 |             |  |
|                              | Output                  |         | High                             |        | W                  |                                     | 48          |                 |             |                 |             |  |
| Sound power level            | Cooling                 |         |                                  |        | dBA                |                                     | 52          |                 |             | 60              |             |  |
|                              | Heating                 |         |                                  |        | dBA                |                                     | 52          |                 |             | 60              |             |  |
| Sound pressure level         | Cooling                 |         | High/Nom./Low/Silent operation   |        | dBA                |                                     | 38/32/26/23 |                 | 39/33/27/24 |                 | 44/40/36/32 |  |
|                              | Heating                 |         | High/Nom./Low/Silent operation   |        | dBA                |                                     | 38/32/26/23 |                 | 39/33/27/24 |                 | 45/40/36/32 |  |
| Control systems              | Infrared remote control |         |                                  |        | ARC452A1           |                                     |             |                 |             |                 |             |  |
| Refrigerant                  | Type                    |         |                                  |        | R-410A             |                                     |             |                 |             |                 |             |  |

## 2 Specifications

| 2-1 Technical Specifications |                 |    | FVXS25F                           | FVXS35F | FVXS50F |
|------------------------------|-----------------|----|-----------------------------------|---------|---------|
| Piping connections           | Liquid          | OD |                                   | 6.35    |         |
|                              | Gas             | OD | 9.5                               | 9.52    | 12.7    |
|                              | Drain           |    |                                   | 20      |         |
|                              | Heat insulation |    | Both liquid and gas pipes         |         |         |
| Temperature control          |                 |    | Microcomputer control             |         |         |
| Air direction control        |                 |    | Right, Left, Horizontal, Downward |         |         |

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Air purification filter; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Thermal insulation tape; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Air supply filter; Quantity : 1;

| 2-2 Electrical Specifications |                                      |          |   | FVXS25F                                                          | FVXS35F         | FVXS50F                                      |
|-------------------------------|--------------------------------------|----------|---|------------------------------------------------------------------|-----------------|----------------------------------------------|
| Power supply                  | Name                                 |          |   | V1                                                               |                 |                                              |
|                               | Phase                                |          |   | 1~                                                               |                 |                                              |
|                               | Frequency                            | Hz       |   | 50                                                               |                 |                                              |
|                               | Voltage                              | V        |   | 220-240                                                          |                 |                                              |
| Current                       | Nominal running current (RLA) - 50Hz | Cooling  | A | 0.14 (1) / 0.13 (2) / 0.12 (3)                                   |                 | 0.17                                         |
|                               |                                      | Heating  | A | 0.15 (1) / 0.14 (2) / 0.13 (3)                                   |                 | 0.19                                         |
| Current - 50Hz                | Zmax                                 | List     |   | -                                                                | No requirements |                                              |
|                               | Maximum running current              | A        |   | -                                                                | 0.20            |                                              |
| Wiring connections - 50Hz     | For power supply                     | Quantity |   | -                                                                |                 | 3                                            |
|                               |                                      | Remark   |   | 3 for power supply, 4 for interunit wiring (Earth wire included) |                 | 4 for interunit wiring (earth wire included) |

### Notes

(1) 220V

(2) 230V

(3) 240V

When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

3

Options

3 - 1

Options

FVXS-F

Indoor Units - Control systems

|                                                                |               | FVXS-F        |
|----------------------------------------------------------------|---------------|---------------|
| Wired remote control                                           |               | BRC073 (3)    |
| Cord for wired remote control                                  | 3m            | BRCW901A03    |
|                                                                | 8m            | BRCW901A08    |
| Wiring adapter normal open contact / normal open pulse contact |               | KRP413A1S (1) |
| Centralised control board                                      | Up to 5 rooms | KRC72 (2)     |
| Interface adapter for DIII-net                                 |               | KRP928A2S     |
| Online controller                                              |               | BRP069A42     |
| Modbus gateway                                                 |               | RTD-RA        |
| KNX gateway                                                    |               | KJK-DD        |

(1) Wiring adapter supplied by Daikin. Time clock and other devices; to be purchased locally.  
(2) Wiring adapter is also required for each indoor unit.  
(3) Cord for wired remote control BRCW901A03 or BRCW901A08 required.

## 4 - 1 Dimensional Drawings

## unit (mm)

[illegible]

3D056135A

## unit (mm)

**unit (m)**

Note 1. The mark (→) shows piping direction

The drawing includes the following labels and dimensions:

- Front View:** Main unit fixing screw (644), Front panel fixed screws (inside), Model name label, Operation lamp, Timer lamp, Signal receiver, Indoor unit ON/OFF switch, Air outlet selection switch (inside), Name plate, Drain socket, Front panel fixed screws, Main unit fixed screws (630), Hole for splint (120.5), Hole for piping (82), 17, 90, 250, 400, 230, 370.
- Side View:** Room temp. thermistor, Terminal block with earth terminal, Liquid pipe (φ 6.4 CuT), Gas pipe (φ 12.7 CuT), 210, 95 (half concealed), 261, 218.5, 70, 600, 120.5, 17, 90, 136, 152, 121, 82, 70, 584 (half concealed), 585-595 (Wall hole), 670-690 (Wall hole), 44, 38.5, 70, 115, 38.5, 149, 160, 18, 58, 185.8, 18.
- Top View:** VP20, I.D. φ 20, O.D. φ 26, L 220, 16, 115, 38.5, 44, 70, 38.5, 149, 160, 18, 58, 185.8, 18.

**Adjusting the air flow direction**

Right/left (manual)

- Upper air outlet: 45°, 45°
- Lower air outlet: 45°, 45°

Up/down (automatic)

- Cool, dry: 45°, 90°, 135°
- Heat (Heat pump model): 45°, 90°, 135°

Upward air flow limit (OFF)

Upward air flow limit (ON)

50 MIN (for maintenance)

50 MIN (for performance)

70 (for performance)

585-595 (Wall hole)

670-690 (Wall hole)

Wall hole for half concealed

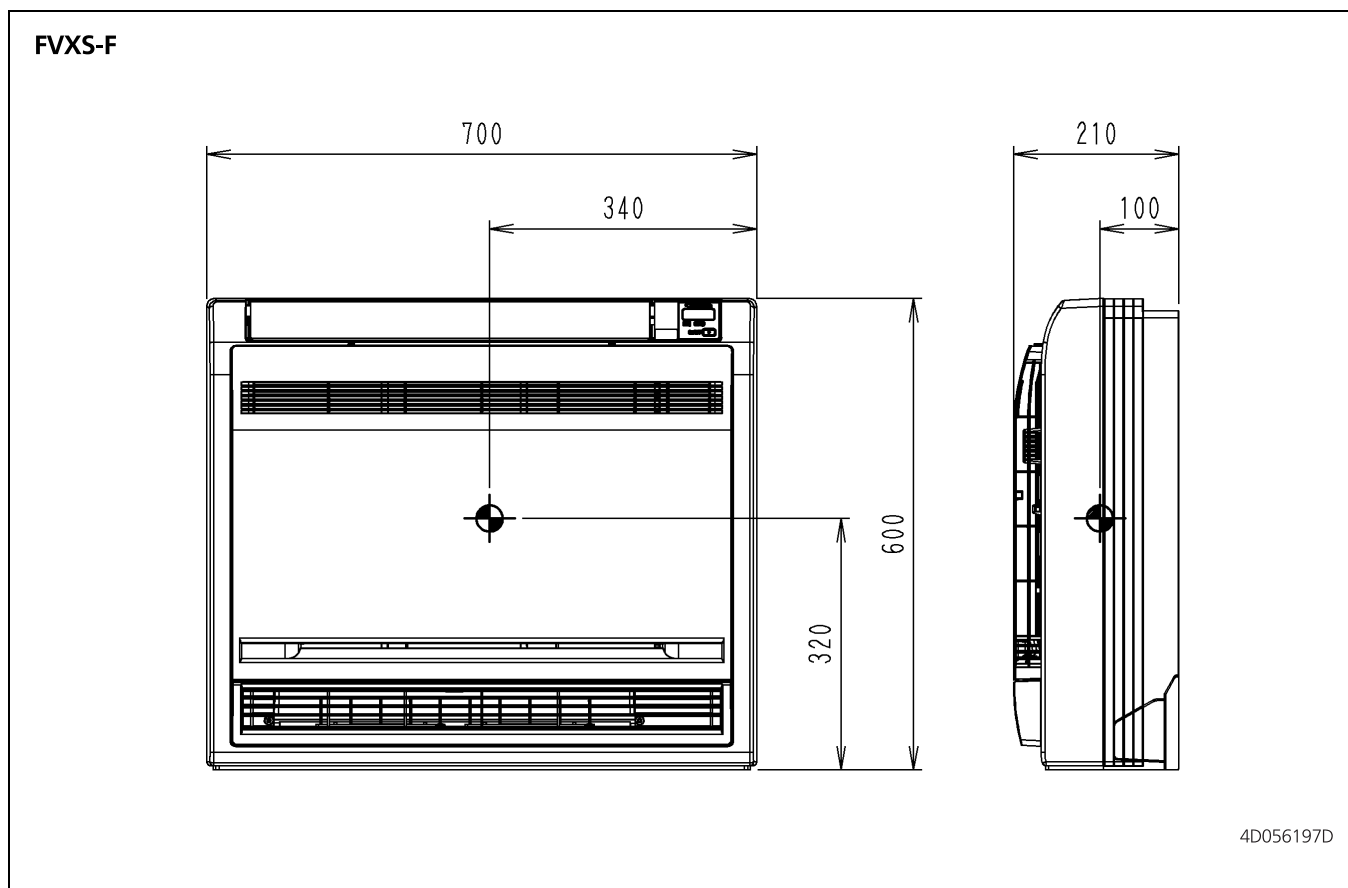
ARC452A1

Infrared remote control

3D056136A

## 5 Centre of gravity

### 5 - 1 Centre of Gravity

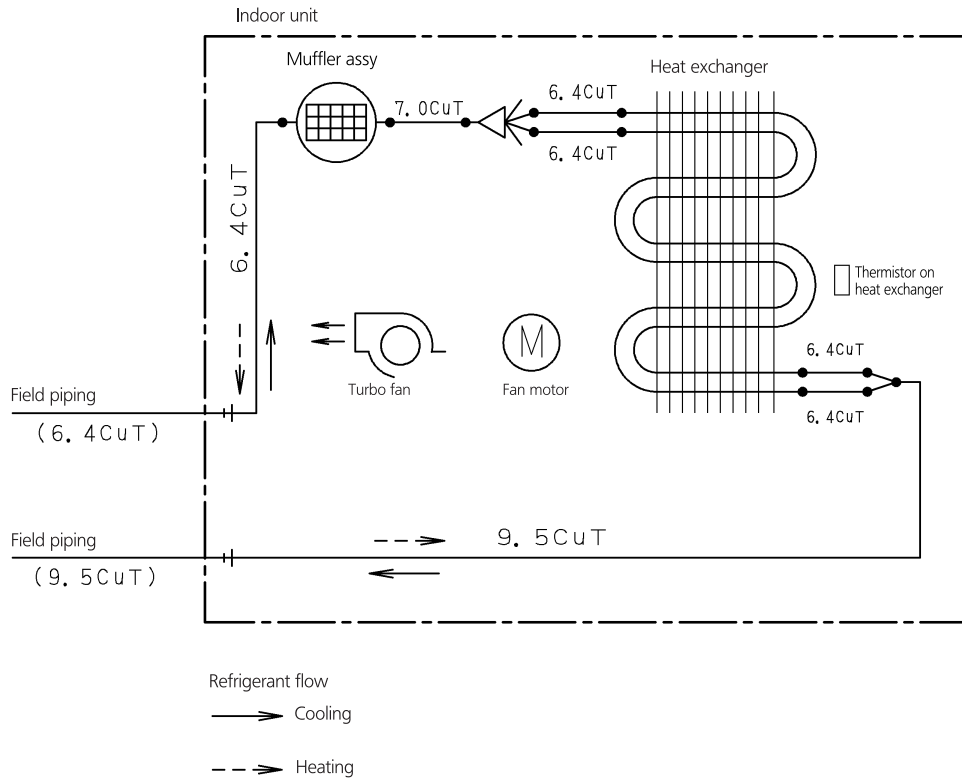


## 6 Piping diagrams

### 6 - 1 Piping Diagrams

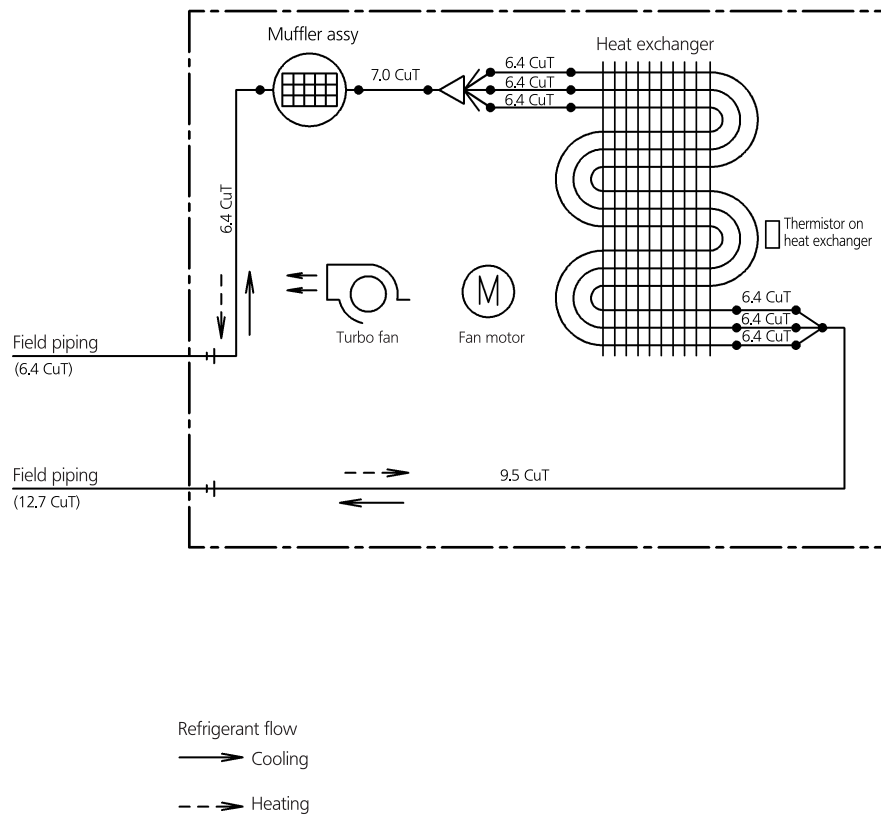
6

#### FVXS25-35F



4D056137B

#### FVXS50F



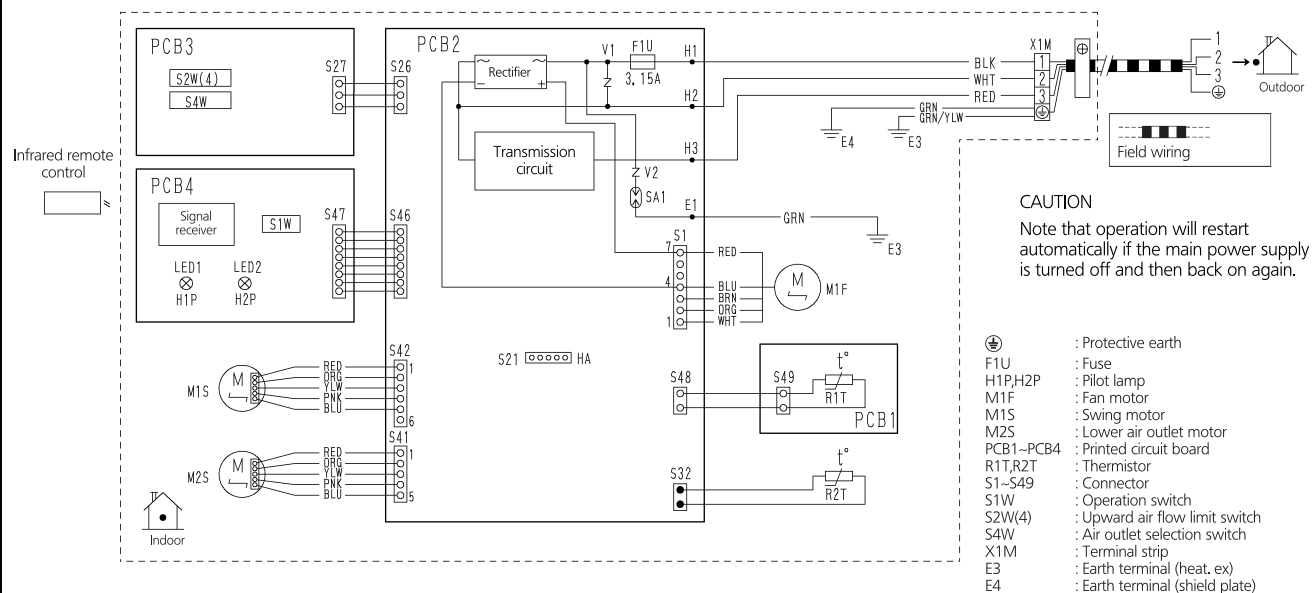
4D056138D

8

## 7 Wiring diagrams

### 7 - 1 Wiring Diagrams - Single Phase

#### FVXS25-50F



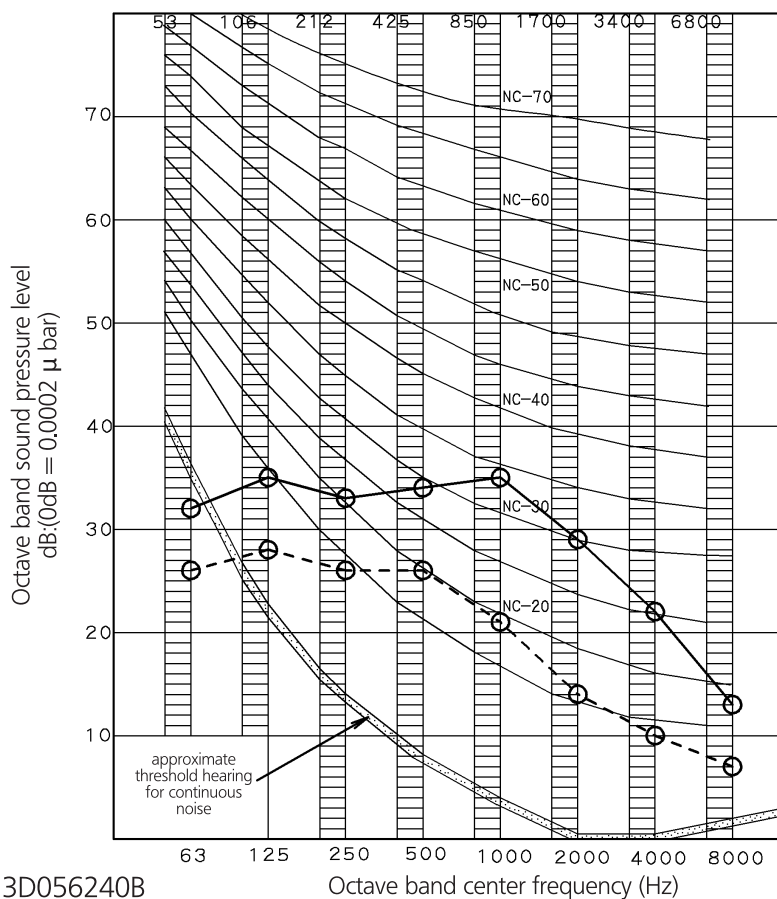
3D055953A

## 8 Sound data

### 8 - 1 Sound Pressure Spectrum - Cooling

8

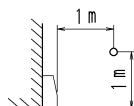
#### FVXS25F (Cooling)



#### NOTES

- Overall (dB):  
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz  
Standard external static pressure  
○—○ 50Hz 220-240v (H) ○---○ 50Hz 220-240V (L)
- Location of microphone.  
JISC9612  
The operation noise measuring  
method is in accordance with JISC9612

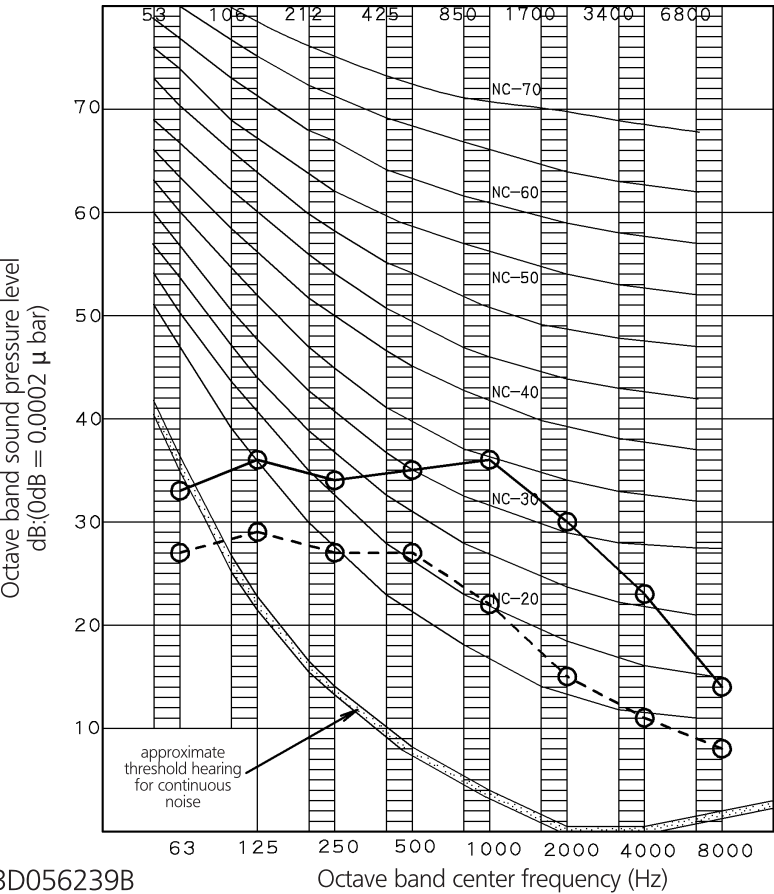
| Scale | 50Hz<br>230V(H) | 50Hz<br>230V(L) |
|-------|-----------------|-----------------|
| A     | 38              | 26              |



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum - Cooling

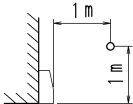
### FVXS35F (Cooling)



### NOTES

- Overall (dB):  
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz  
Standard external static pressure  
○—○ 50Hz 220-240v (H) ○---○ 50Hz 220-240V (L)
- Location of microphone.  
JISC9612  
The operation noise measuring method is in accordance with JISC9612

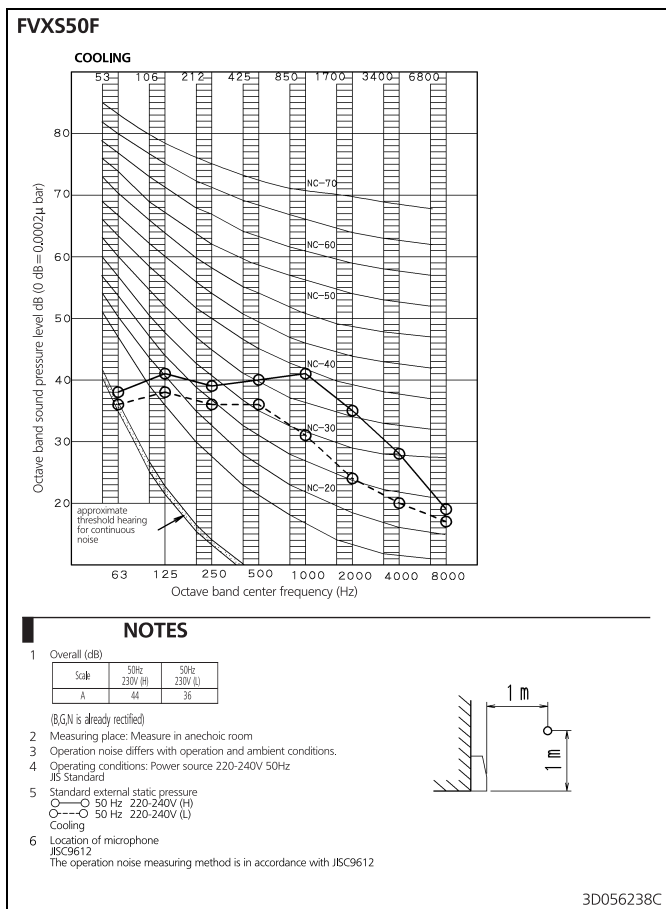
| Scale | 50Hz<br>230V(H) | 50Hz<br>230V(L) |
|-------|-----------------|-----------------|
| A     | 39              | 27              |



## 8 Sound data

### 8 - 1 Sound Pressure Spectrum - Cooling

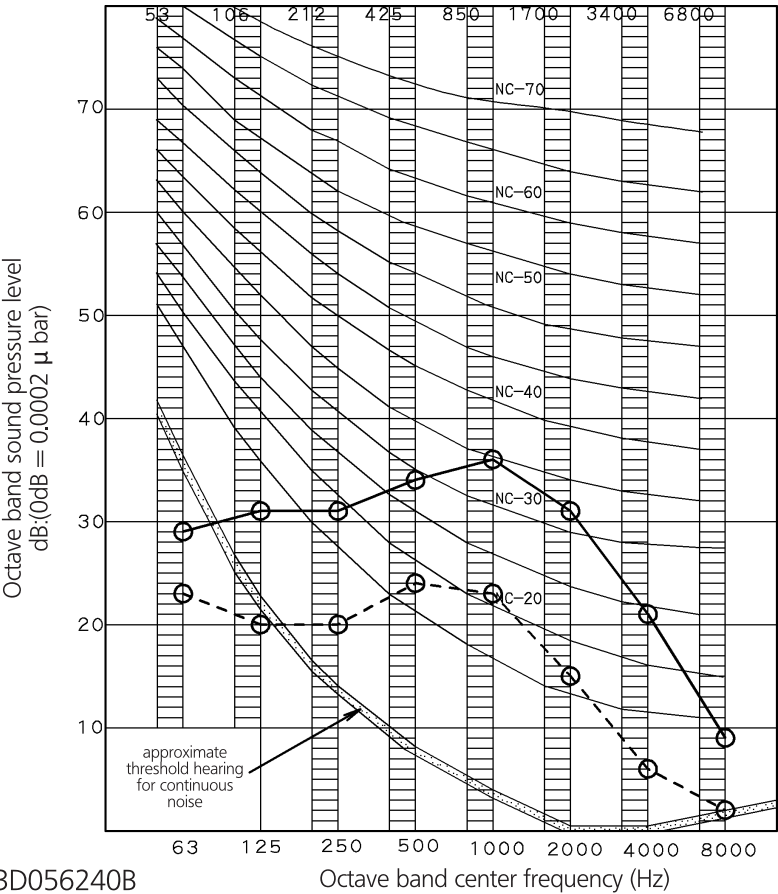
8



8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

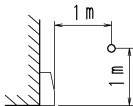
FVXS25F (Heating)



NOTES

- Overall (dB):  
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz  
Standard external static pressure  
○—○ 50Hz 220-240v (H) ○---○ 50Hz 220-240V (L)
- Location of microphone.  
JISC9612  
The operation noise measuring  
method is in accordance with JISC9612

| Scale | 50Hz<br>230V(H) | 50Hz<br>230V(L) |
|-------|-----------------|-----------------|
| A     | 38              | 26              |

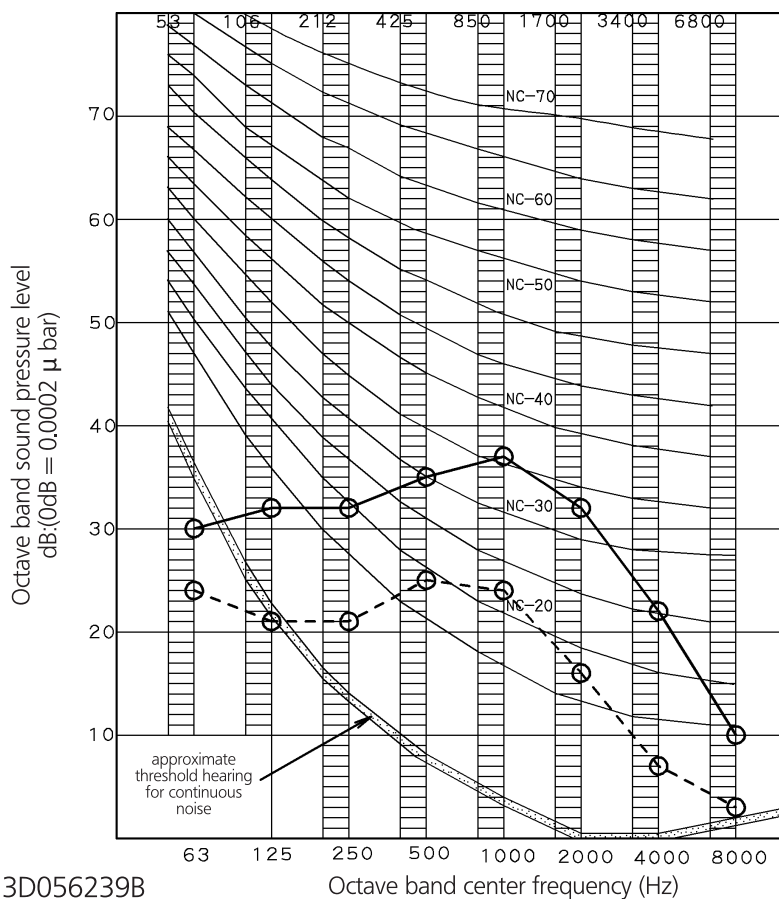


## 8 Sound data

### 8 - 2 Sound Pressure Spectrum - Heating

8

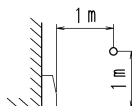
#### FVXS35F (Heating)



#### NOTES

- Overall (dB):  
(B,G,N is already rectified)
- Measuring place: Measured in an anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz  
Standard external static pressure  
○—○ 50Hz 220-240v (H)    ○---○ 50Hz 220-240V (L)
- Location of microphone.  
JISC9612  
The operation noise measuring method is in accordance with JISC9612

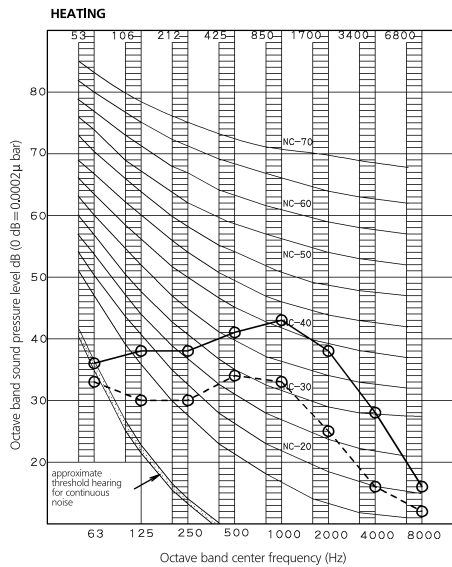
| Scale | 50Hz<br>230V(H) | 50Hz<br>230V(L) |
|-------|-----------------|-----------------|
| A     | 39              | 27              |



# 8 Sound data

## 8 - 2 Sound Pressure Spectrum - Heating

### FVXS50F



### NOTES

1 Overall (dB)

| Scale | 50Hz<br>230V (H) | 50Hz<br>230V (L) |
|-------|------------------|------------------|
| A     | 45               | 36               |

(B.G.N is already rectified)

2 Measuring place: Measure in anechoic room

3 Operation noise differs with operation and ambient conditions.

4 Operating conditions: Power source 220-240V 50Hz  
JIS Standard

5 Standard external static pressure

○—○ 50 Hz 220-240V (H)

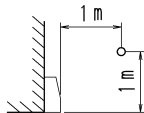
○---○ 50 Hz 220-240V (L)

Heating

6 Location of microphone

JISC9612

The operation noise measuring method is in accordance with JISC9612



3D056238C





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