

Air Conditioning  
Technical Data

**FVXS-F**



- > FVXS25FV1B
- > FVXS35FV1B
- > FVXS50FV1B



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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: 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	-	-
			Low	m³/min	4.8	4.9	7.8
				cfm	169	-	-
			Silent operation	m³/min	4.1	4.5	6.6
				cfm	145	-	-
		Nom.	cfm	290	-	-	
			m³/min	8.2	8.5	10.7	
		Heating	High	m³/min	8.8	9.4	11.8
				cfm	311	-	-
			Low	m³/min	5.0	5.2	8.5
				cfm	177	-	-
	Silent operation		m³/min	4.4	4.7	7.1	
			cfm	155	-	-	
Nom.	cfm	244	-	-			
	m³/min	6.9	7.3	10.1			
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		
		Heating	High/Medium/Low/Silent operation	rpm	680/550/420/380		700/560/420/390
850/740/630/540							
Output	High		W				
Sound power level	Cooling		dBA	52		60	
	Heating		dBA	52		60	
Sound pressure level	Cooling	High/Low/Silent operation	dBA	38/26/23	39/27/24	44/36/32	
	Heating	High/Low/Silent operation	dBA	38/26/23	39/27/24	45/36/32	
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 : Installation manual; Quantity : 1;
- Standard Accessories : Operation manual; Quantity : 1;
- Standard Accessories : Wireless remote control; Quantity : 1;
- Standard Accessories : Batteries; Quantity : 2;
- Standard Accessories : Remote control holder; Quantity : 1;
- Standard Accessories : Drain hose; Quantity : 1;
- Standard Accessories : Air purification filter; Quantity : 2;
- Standard Accessories : Thermal insulation tape; Quantity : 2;
- 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 - 50Hz	Zmax	List	- No requirements			
	Maximum running current		A	-		0.20
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
Wiring connections - 50Hz	For power supply	Quantity	-			
		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

Option kit	FVXS-F
Wired remote control	BRC073A1
Extension cord for wired remote control (3m)	BRCW901A03
Extension cord for wired remote control (5m)	BRCW901A08
Centralised control board (up to 5 rooms)	KRC72A
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S
Wi-Fi adaptor for smartphones	BRP069A42
Interface adaptor for DIII-NET	KRP9288B2S
Central remote control	DCS302CA51
Unified ON/OFF controller	DCS301BA51
Schedule timer	DST301BA51
Photocatalytic deodorising and air-purifying filter without frame	KAF968A42
Anti-theft protection for remote control	KKF910AA4

Notes

1. R410A models

3D095247D

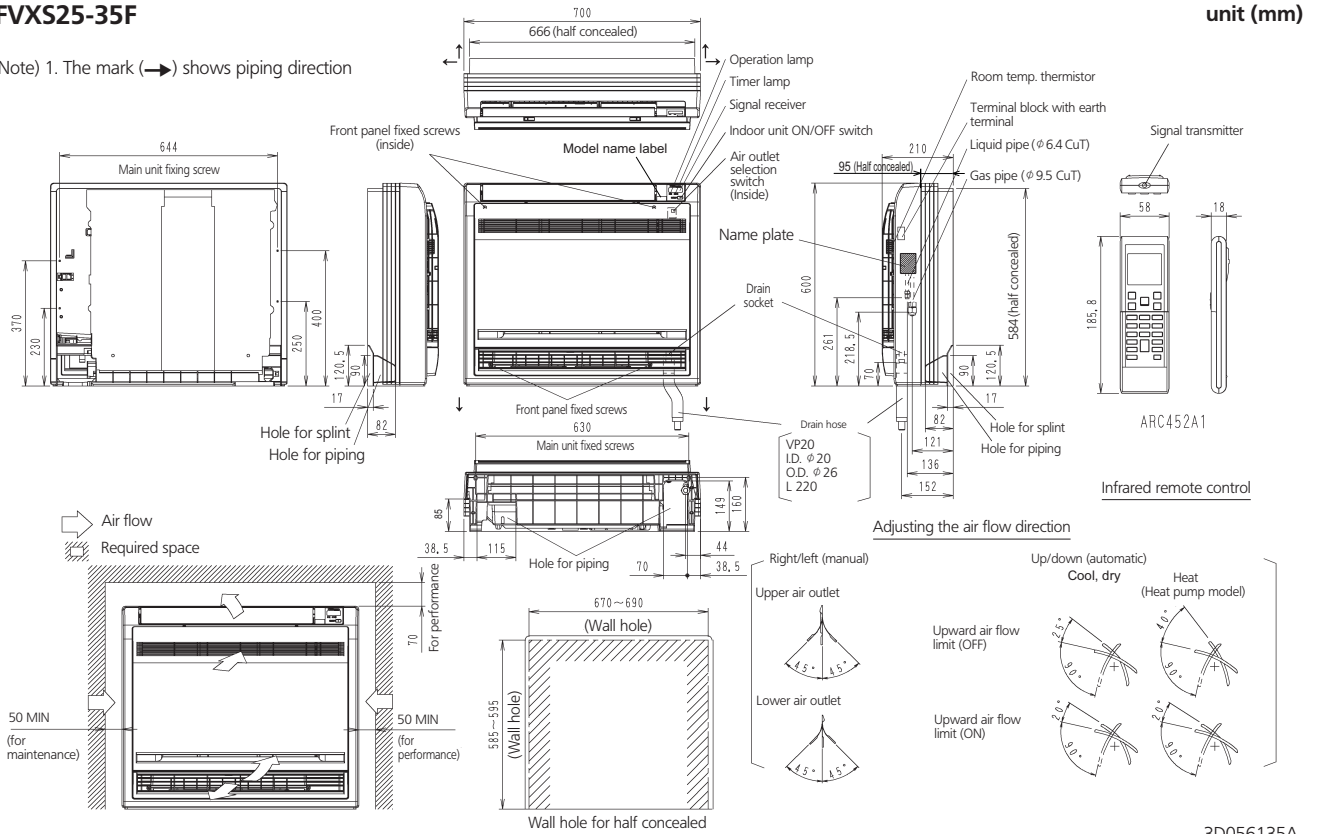
# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

### FVXS25-35F

unit (mm)

Note) 1. The mark (→) shows piping direction

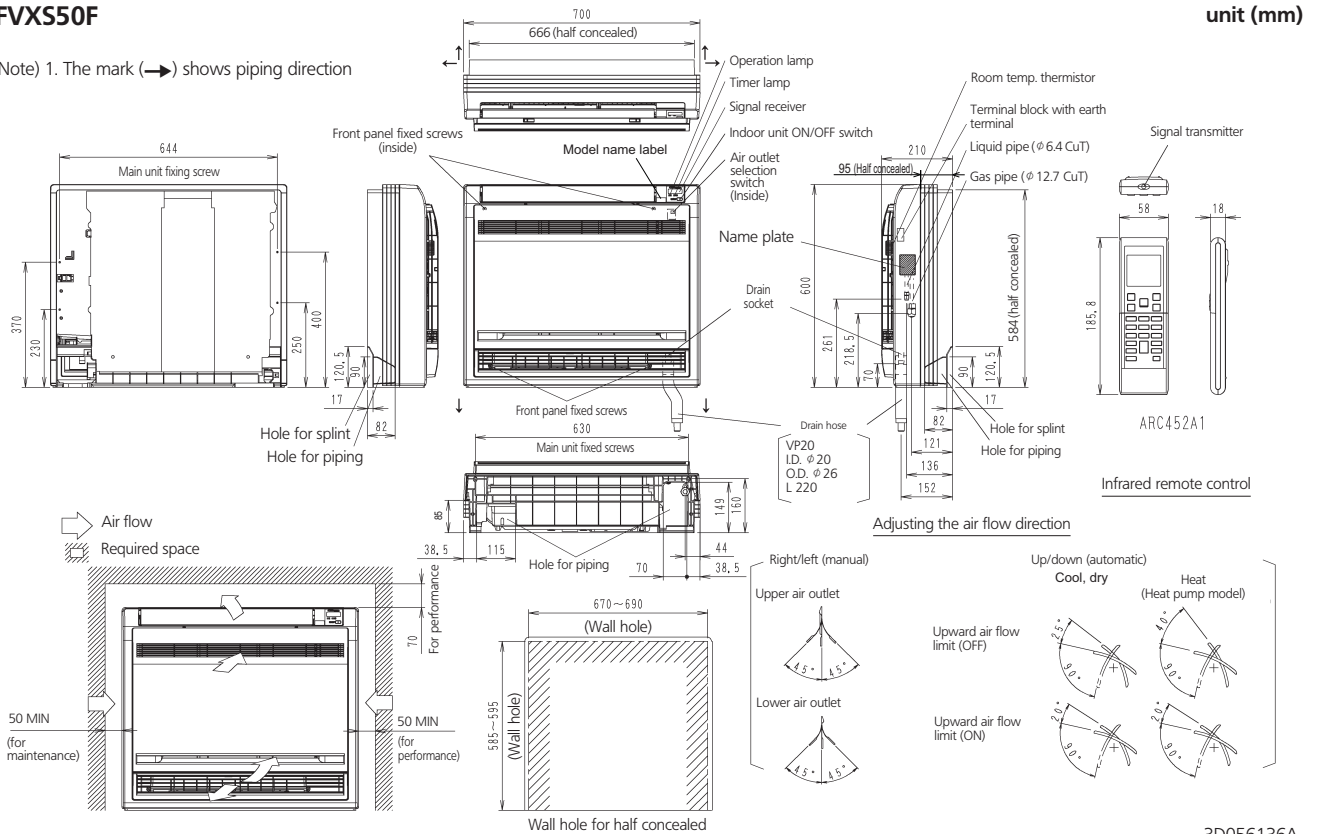


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### FVXS50F

unit (mm)

Note) 1. The mark (→) shows piping direction

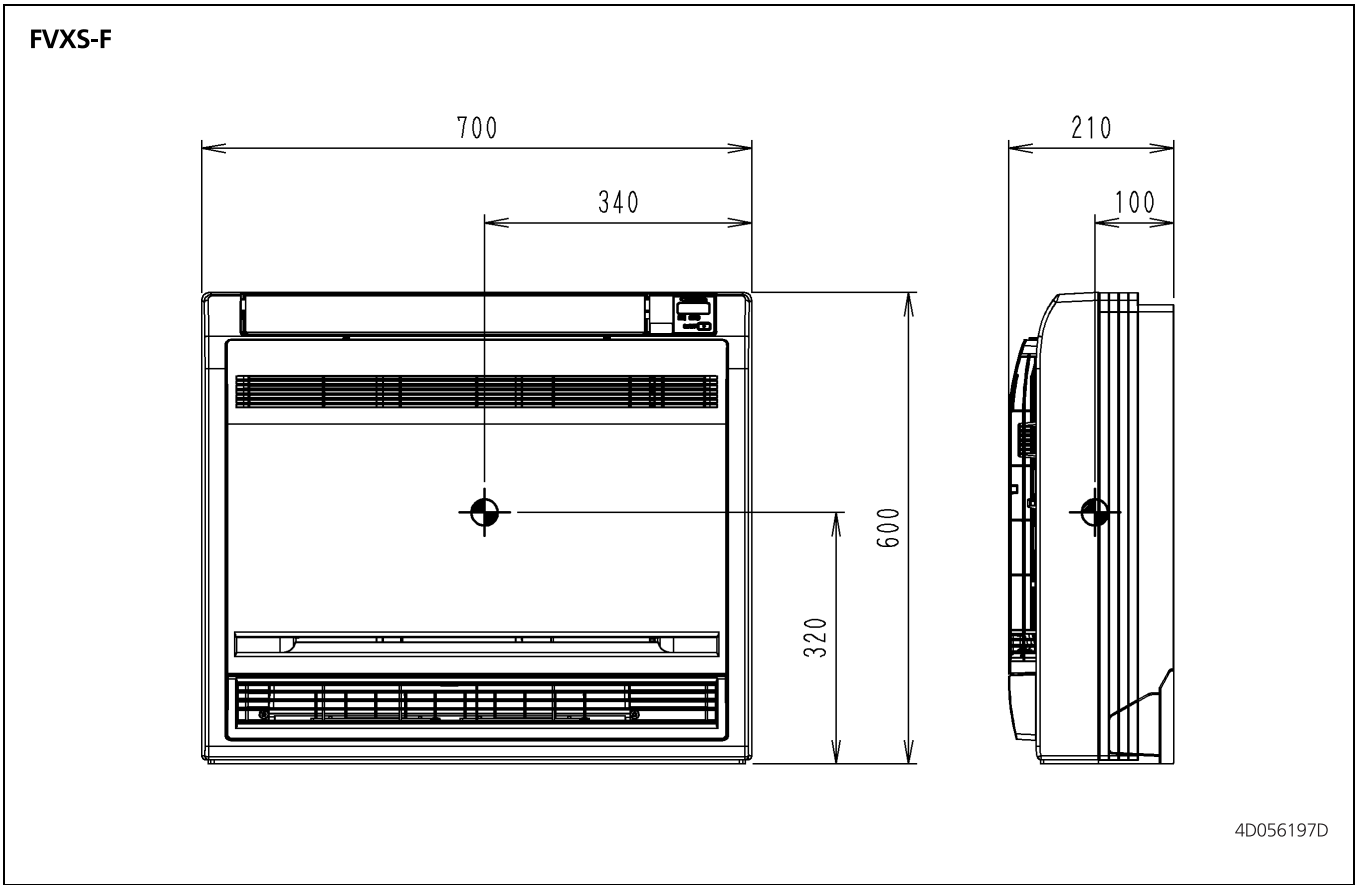


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# 5 Centre of gravity

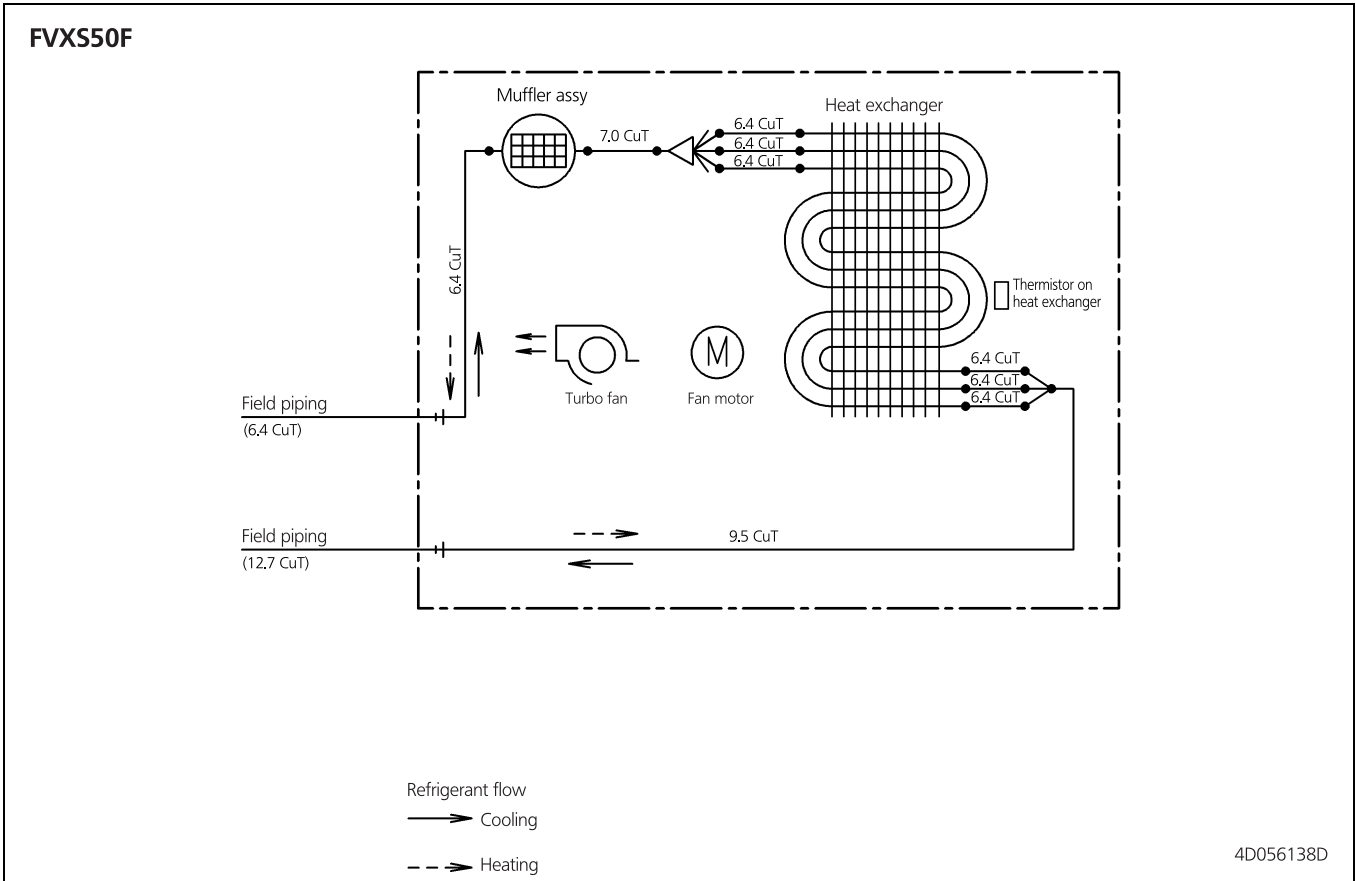
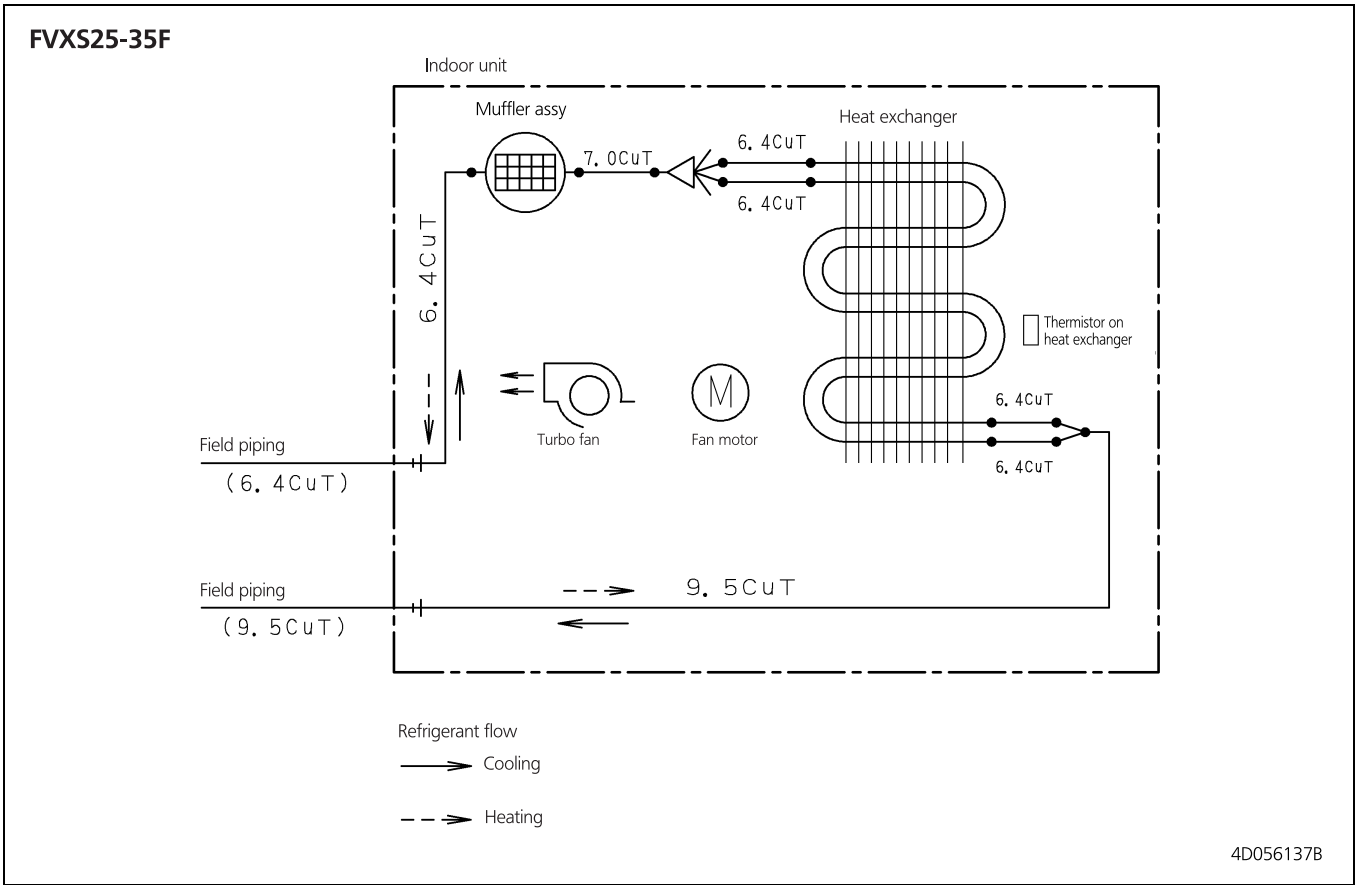
## 5 - 1 Centre of Gravity



# 6 Piping diagrams

## 6 - 1 Piping Diagrams

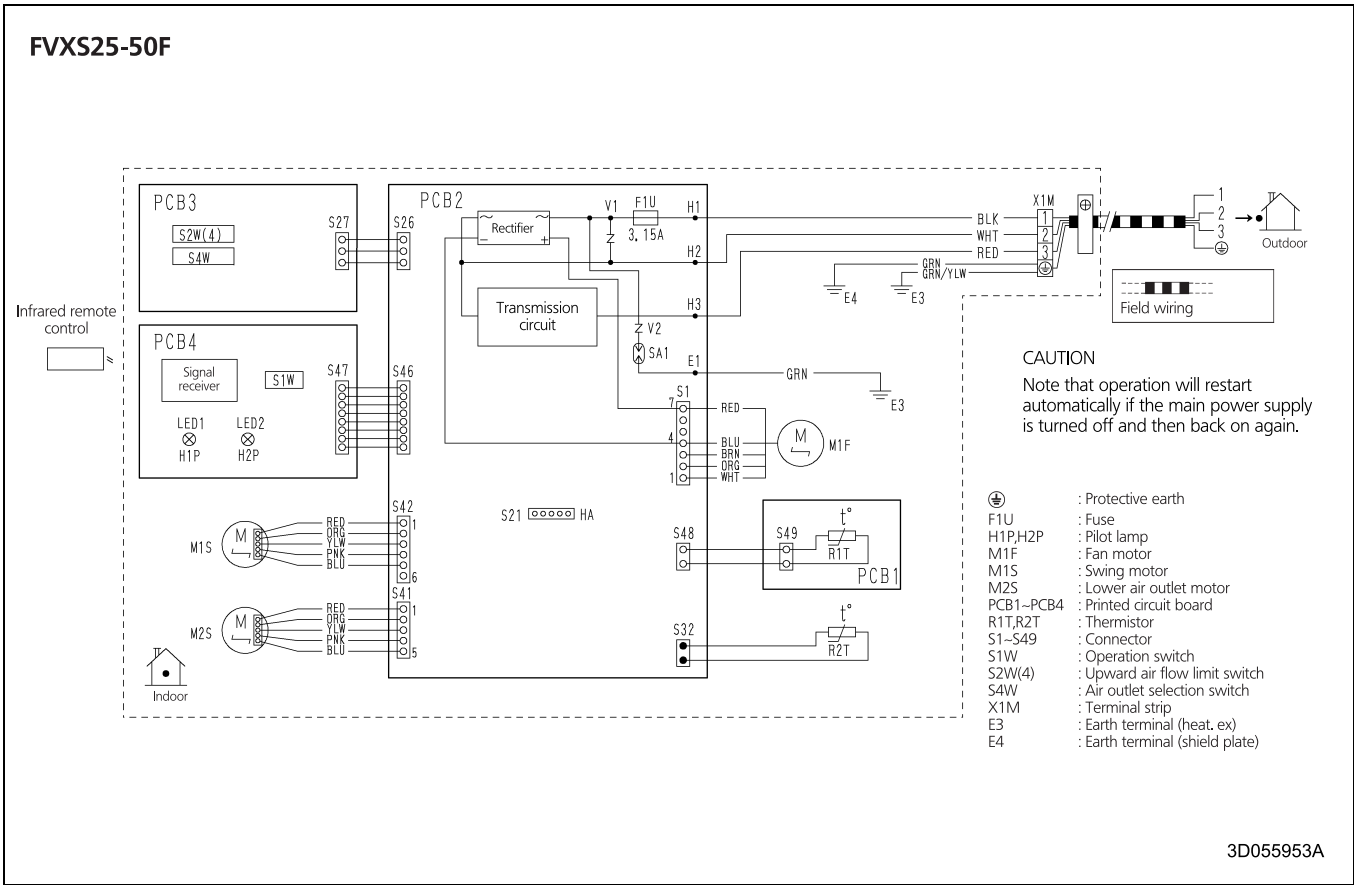
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# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

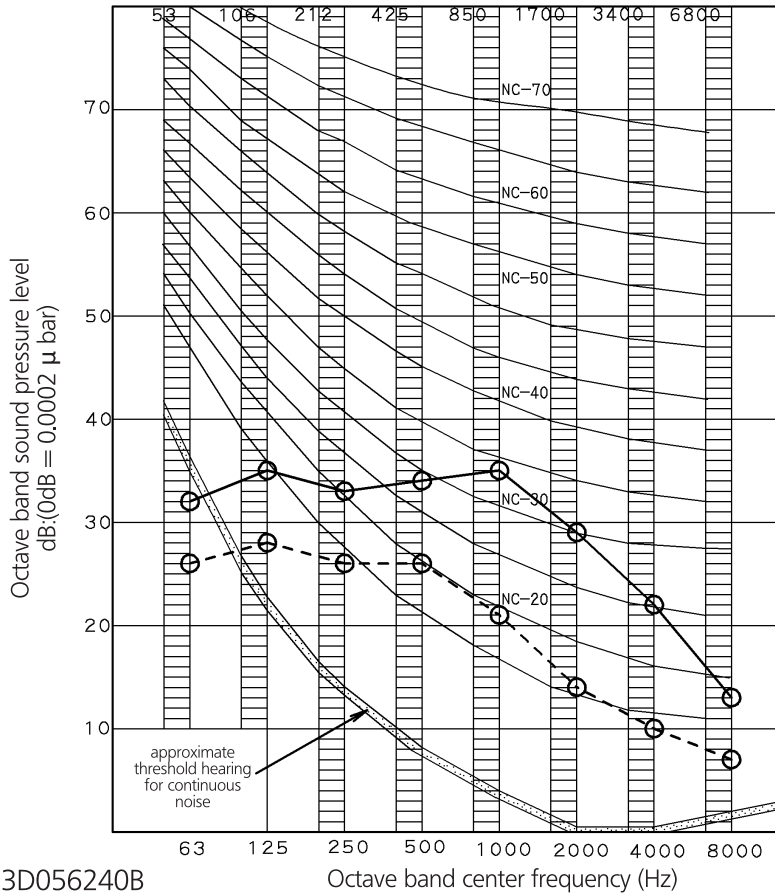


# 8 Sound data

## 8 - 1 Sound Pressure Spectrum - Cooling

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### FVXS25F (Cooling)

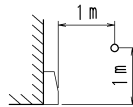


3D056240B

### NOTES

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

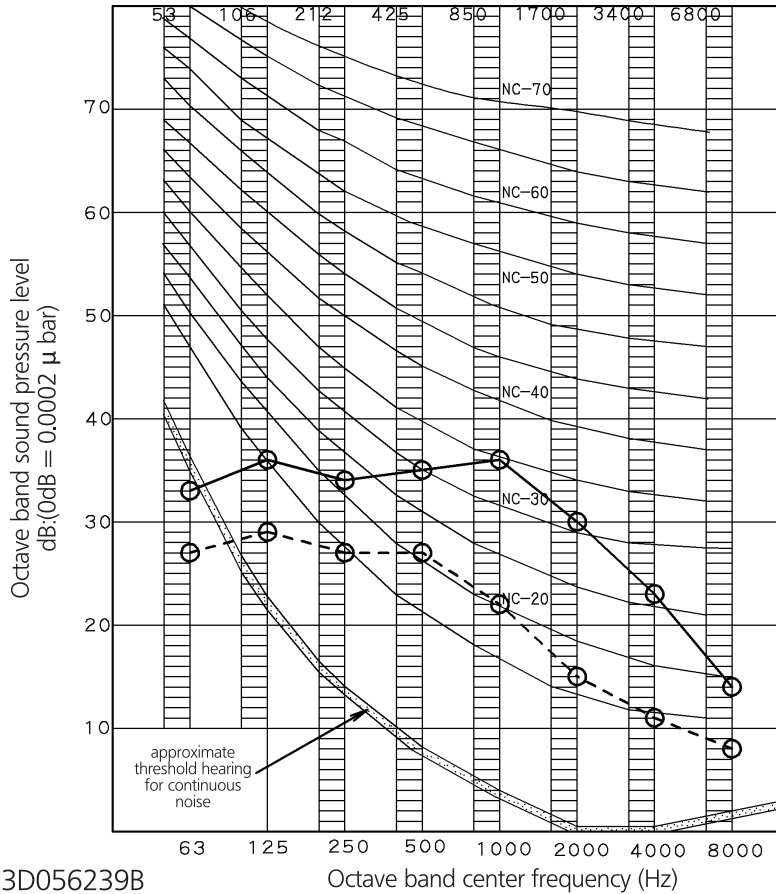
Scale	50Hz 230V(H)	50Hz 230V(L)
A	38	26



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum - Cooling

### FVXS35F (Cooling)

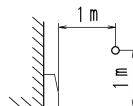


3D056239B

### NOTES

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

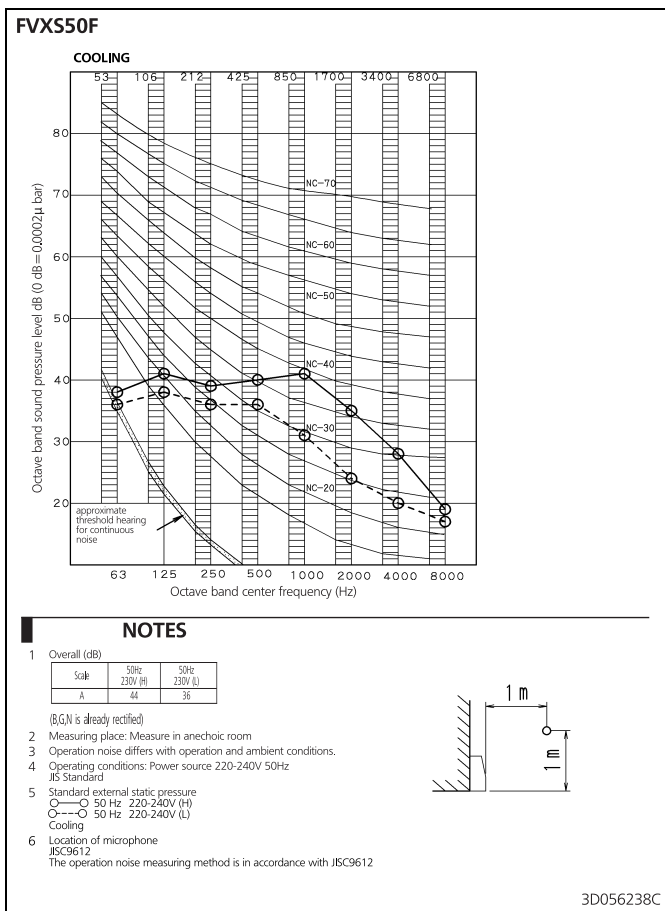
Scale	50Hz 230V(H)	50Hz 230V(L)
A	39	27



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum - Cooling

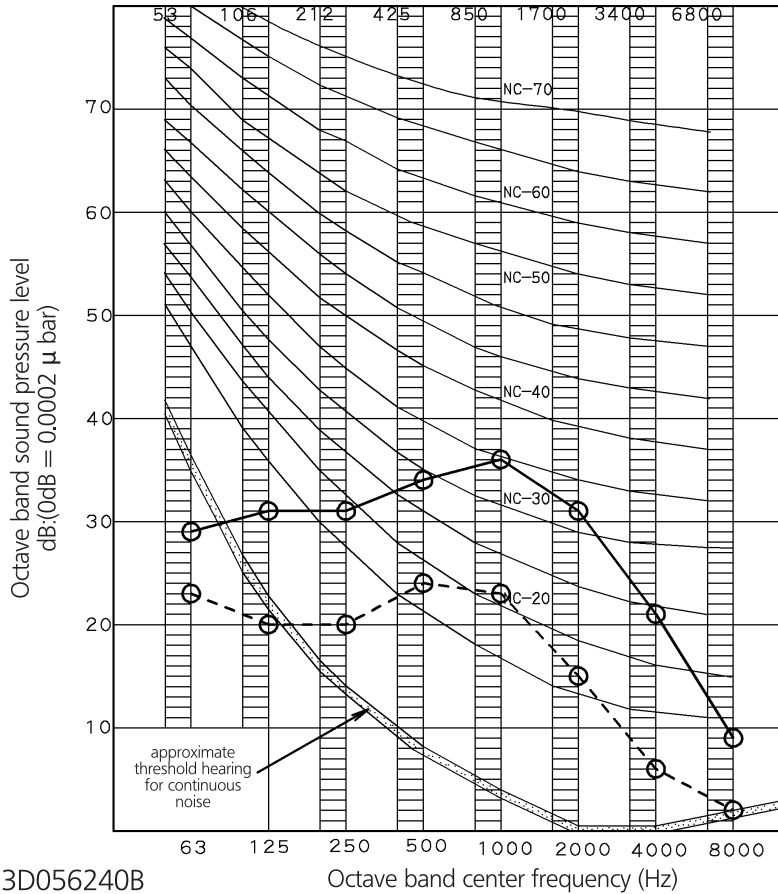
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# 8 Sound data

## 8 - 2 Sound Pressure Spectrum - Heating

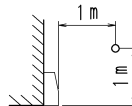
### FVXS25F (Heating)



### 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 230V(H)	50Hz 230V(L)
A	38	26

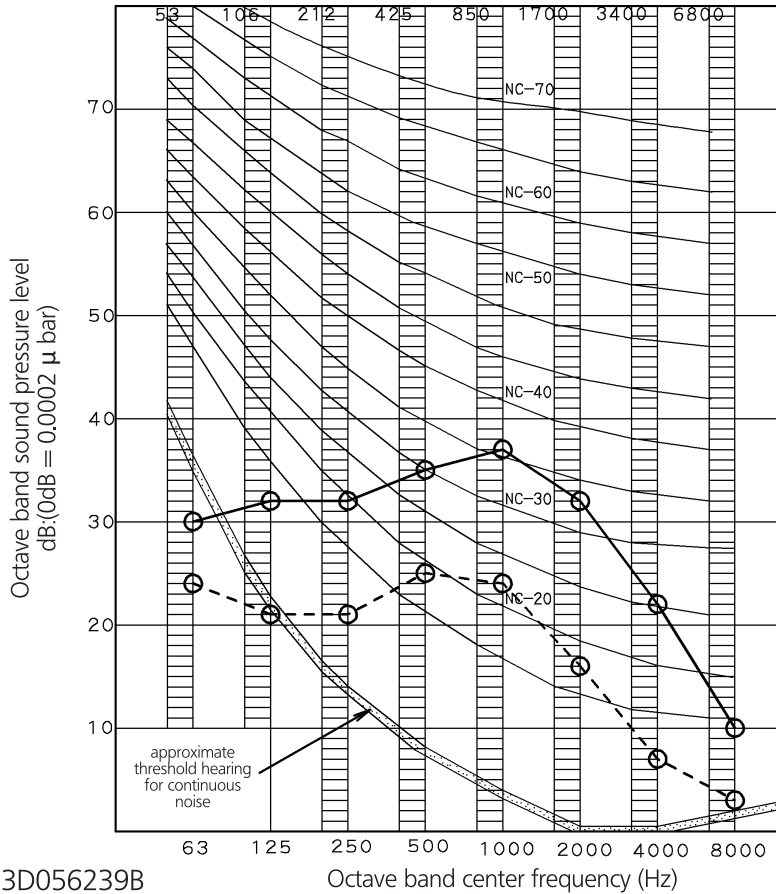


# 8 Sound data

## 8 - 2 Sound Pressure Spectrum - Heating

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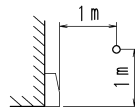
### FVXS35F (Heating)



### 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

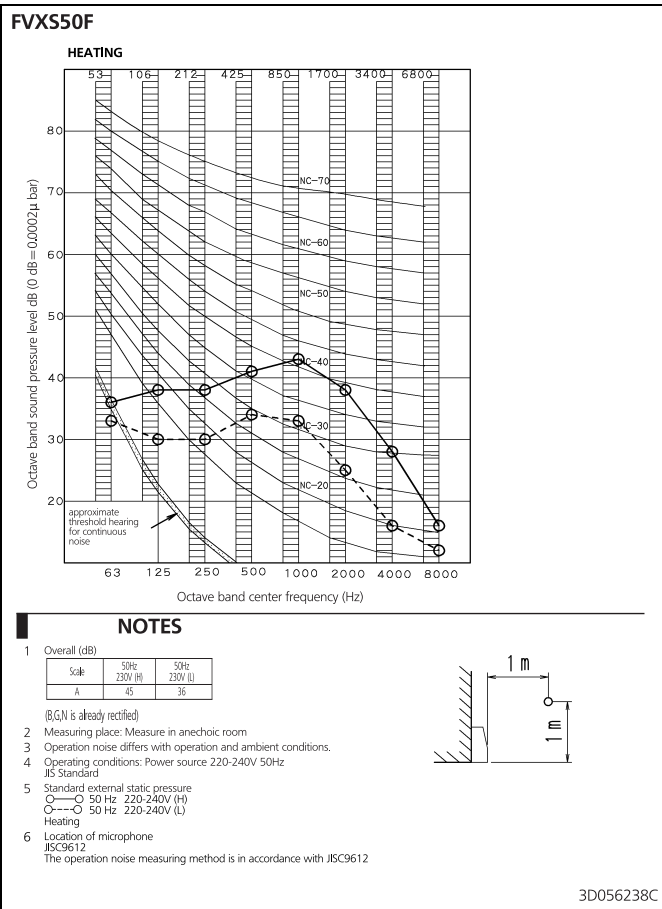
Scale	50Hz 230V(H)	50Hz 230V(L)
A	39	27





# 8 Sound data

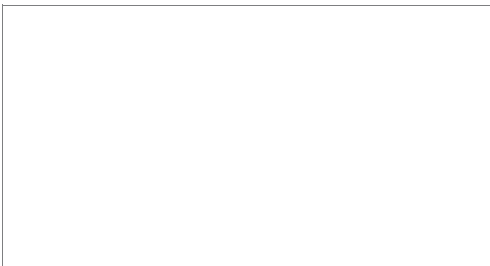
## 8 - 2 Sound Pressure Spectrum - Heating







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