



Air Conditioners

Technical Data

Floor standing unit



EEDEN12-100

FVXG-K

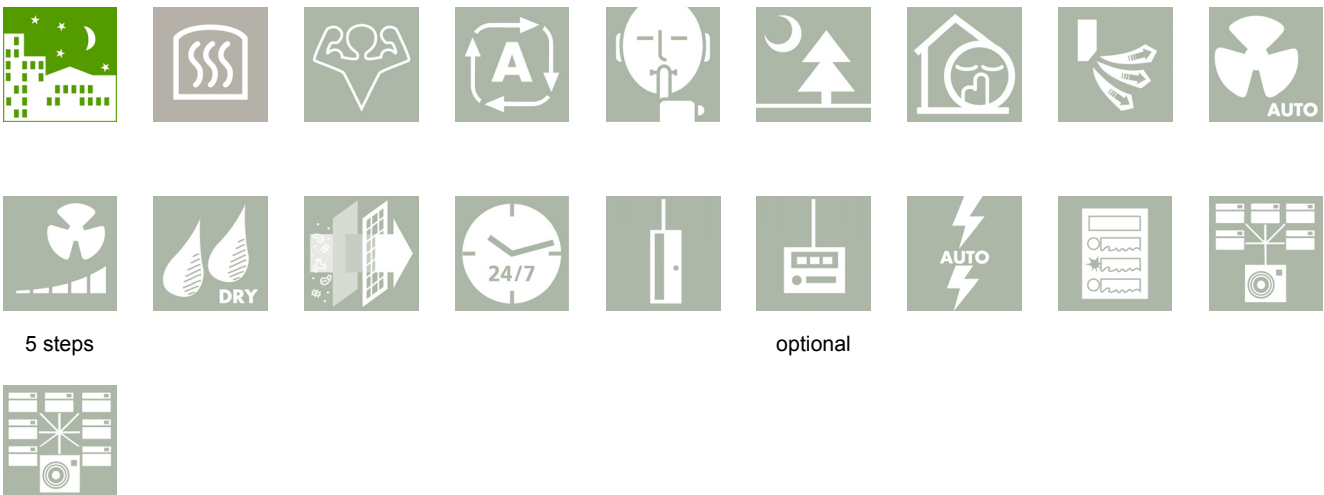
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FVXG-K

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1 Features

- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 22dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- Indoor/outdoor unit silent operation: "silent" buttons on the remote control lower the operating sound of the indoor and/or outdoor unit by 3dBA each
- Ideal for installation beneath a window
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- Night set mode saves energy by preventing overcooling or overheating during night time
- Powerful mode can be selected for rapid heating or cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- Can be installed against a wall or recessed
- All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time.



2 Specifications

2-1 Technical Specifications				FVXG25K	FVXG35K	FVXG50K	
Power input - 50Hz	Cooling	Nom.	kW	0.019	0.210	0.032	
	Heating	Nom.	kW	0.022	0.02	0.035	
Casing	Colour			Fresh white (6.5Y 9.5/0.5)			
Dimensions	Unit	Height/Width/Depth		600/950/215			
	Packed unit	Height/Width/Depth		761/1,030/314			
Weight	Unit		kg	22			
	Packed unit		kg	28			
Packing	Weight		kg	6			
Heat exchanger	Length		mm	665			
	Rows	Quantity		2			
	Fin pitch		mm	1.2			
	Stages	Quantity		18			
	Tube type		ø6.35 Hi-XU tube				
	Fin	Type		Multi slit fin			
Fan	Type			Cross flow fan			
	Air flow rate	Cooling	High	m ³ /min	8.9	9.1	10.6
				cfm	314	321	374
			Nom.	m ³ /min	7.0	7.2	8.9
				cfm	247	254	314
		Low	m ³ /min	5.3		7.3	
			cfm	187		258	
		Silent operation	m ³ /min	4.5		6.0	
			cfm	159		212	
	Heating	High	m ³ /min	9.9	10.2	12.2	
			cfm	349	360	431	
		Nom.	m ³ /min	7.8	8.0	10.0	
			cfm	275	282	353	
		Low	m ³ /min	5.7	5.8	7.8	
			cfm	201	205	275	
		Silent operation	m ³ /min	4.7	5.0	6.8	
cfm			166	177	240		
Fan motor	Model			KFD-280-40-8H			
	Speed	Steps		5 + silent, + auto			
		Cooling	High/Medium/Low/Silent operation	rpm	1,350/1,140/940/850	1,390/1,170/950/860	1,630/1,440/1,250/1,100
	Heating	High/Medium/Low/Silent operation	rpm	1,430/1,190/950/840	1,470/1,210/960/870	1,700/1,450/1,200/1,080	
Output	High		W	32			
Sound power level	Cooling	Nom.	dBA	54	55	56	
	Heating	Nom.	dBA	55	56	58	
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	Super high/High/Nom./Low/Silent operation/Radiant heat		dBA	-/39/32/26/22/19	-/40/33/27/23/19	-/46/40/34/30/26
Refrigerant	Type			R-410A			
Piping connections	Liquid	OD		6.35			
	Gas	OD		9.50	12.70		
	Drain		18				
Temperature control	Microcomputer control						
Air direction control	Right, left, upwards						
Air filter	Type					Removable / washable / mildew proof	

Standard Accessories : Thermal insulation (thermal insulation tube); Quantity : 1;

Standard Accessories : Installation plate; Quantity : 1;

Standard Accessories : Insulation sheet; Quantity : 2;

Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

2 Specifications

2-2 Electrical Specifications				FVXG25K	FVXG35K	FVXG50K
Power supply	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	220-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.10 (1) / 0.09 (2) / 0.09 (3)	0.11 (1) / 0.10 (2) / 0.10 (3)	0.17 (1) / 0.16 (2) / 0.15 (3)
		Heating	A	0.11 (1) / 0.11 (2) / 0.10 (3)	0.12 (1) / 0.12 (2) / 0.11 (3)	0.18 (1) / 0.17 (2) / 0.17 (3)
Current - 60Hz	Nominal running current		A	-		
Wiring connections - 50Hz	For power supply	Remark		3 for power supply, 4 for interunit wiring (Earth wire included)		

Notes

(1) 220V

(2) 230V

(3) 240V

(4) SL: The silent fan level of the air flow rate setting

(5) When connected to a multi outdoor unit, the sound pressure level in silent operation and radiant heat equals above values + 1dB.

3 Options

3 - 1 Options

FVXG25-50K

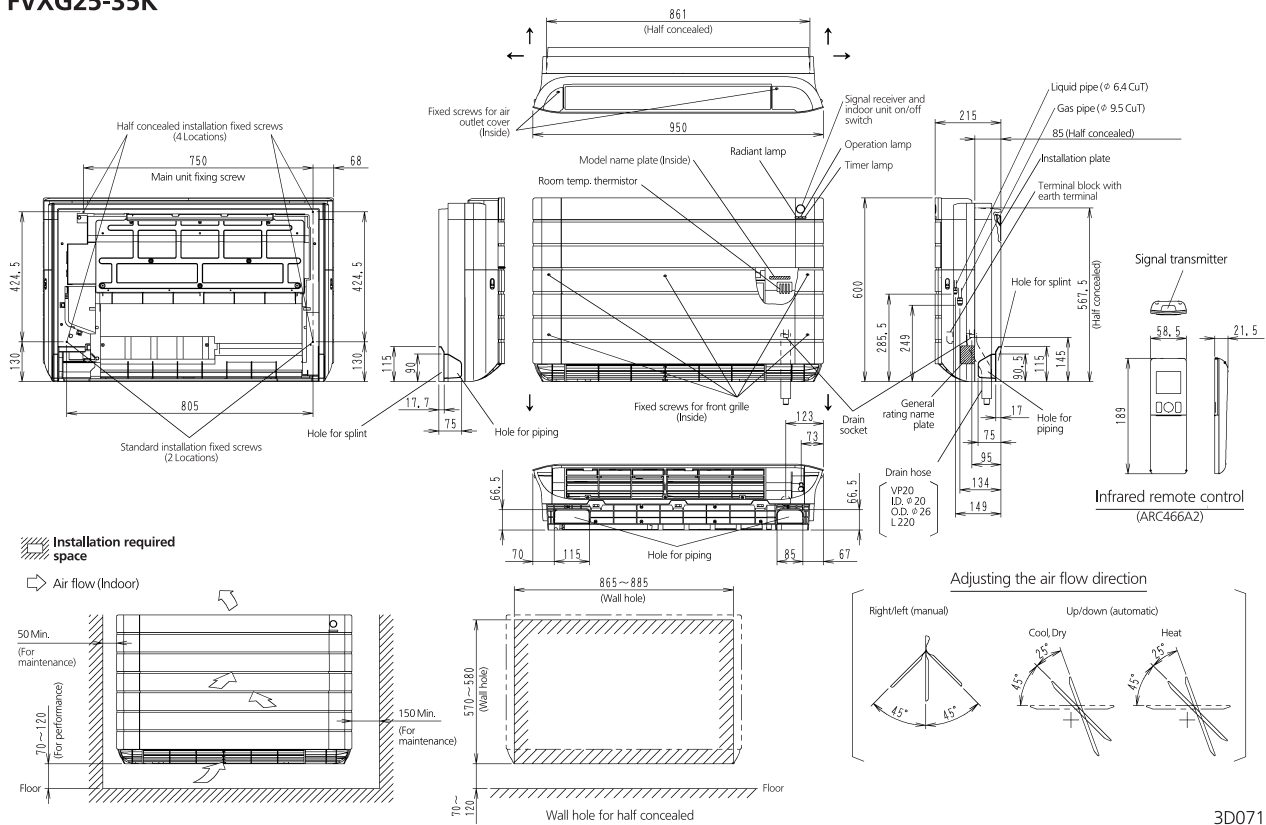
	Description	Material name
Indoor	Wired remote controller	BRC944B2
	5-room centralized controller	KRC72A
	Adopter PCB	KRP413AB1S
	Titanium apatite photocatalytic air-purifying filter without frame	KAF970A46
	Remote controller chain	KKF910A4
	Interface adapter for DIII-net use	KRP928BB2S
	Central remote controller	DCS302CA51
	Unified ON/OFF controller	DCS301BA51
	Schedule timer	DST301BA51
	Installation leg	BKS028A4

4 Dimensional drawings

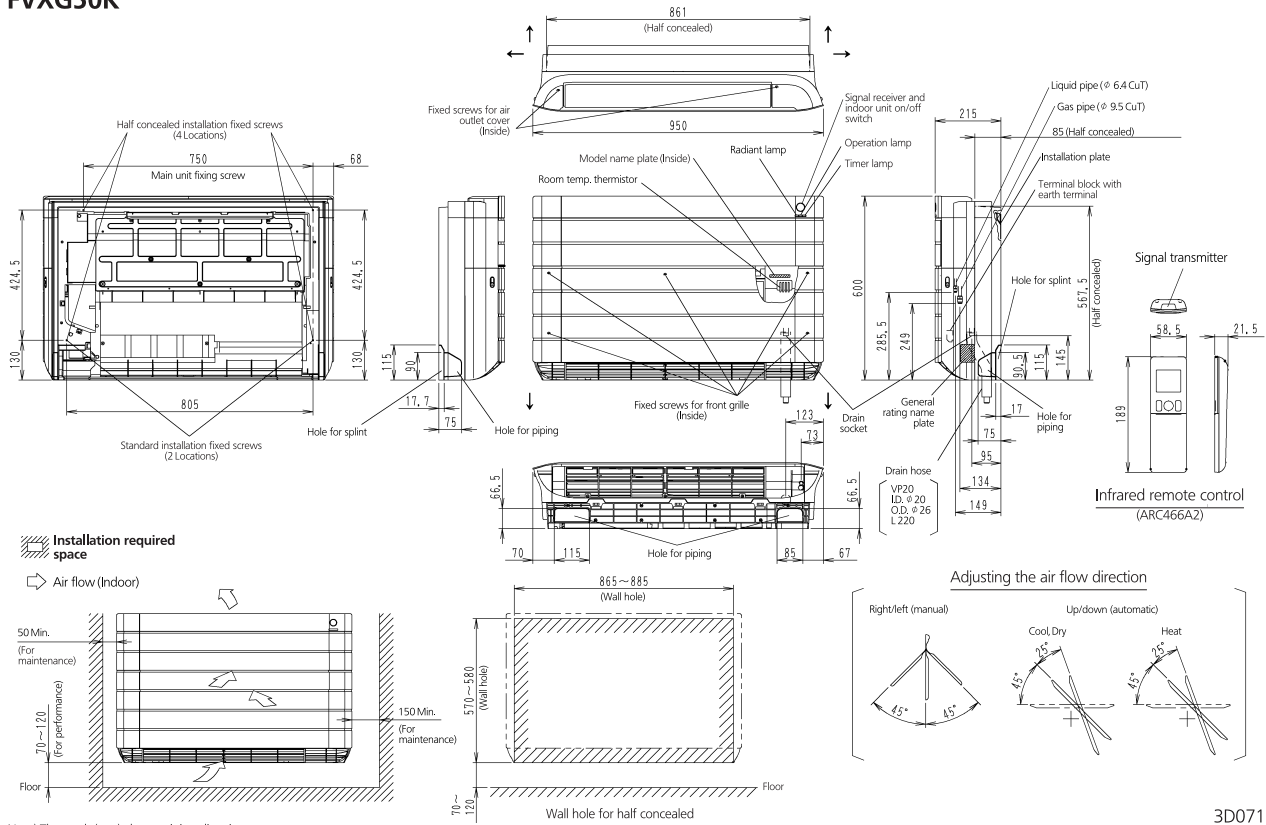
4 - 1 Dimensional Drawings

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FVXG25-35K



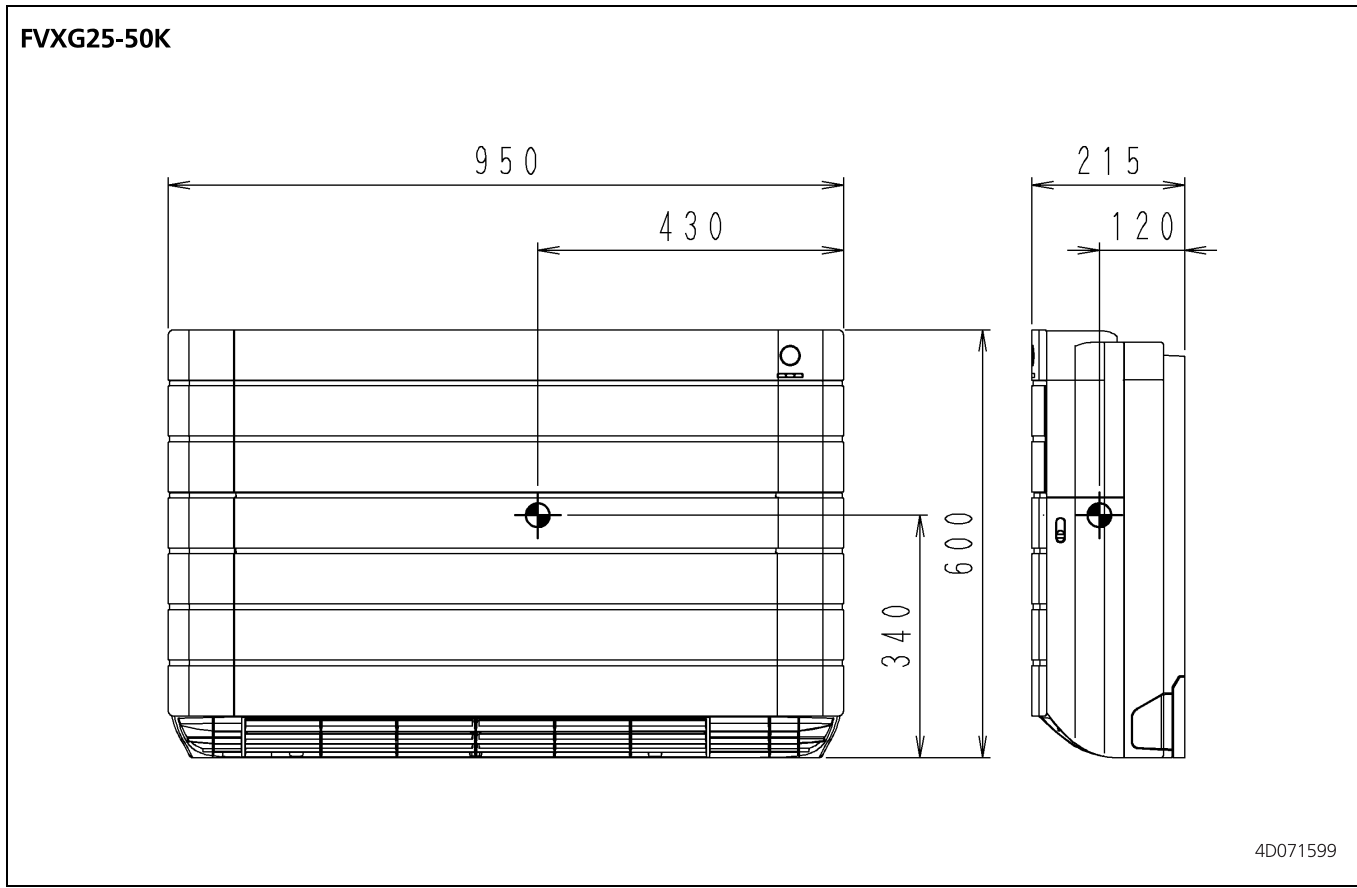
FVXG50K



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5 Centre of gravity

5 - 1 Centre of Gravity

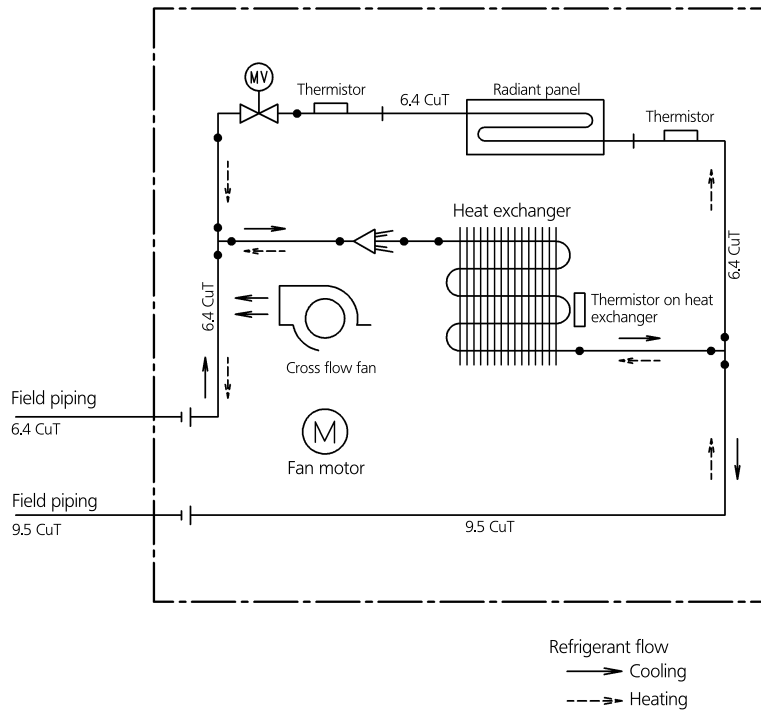


6 Piping diagrams

6 - 1 Piping Diagrams

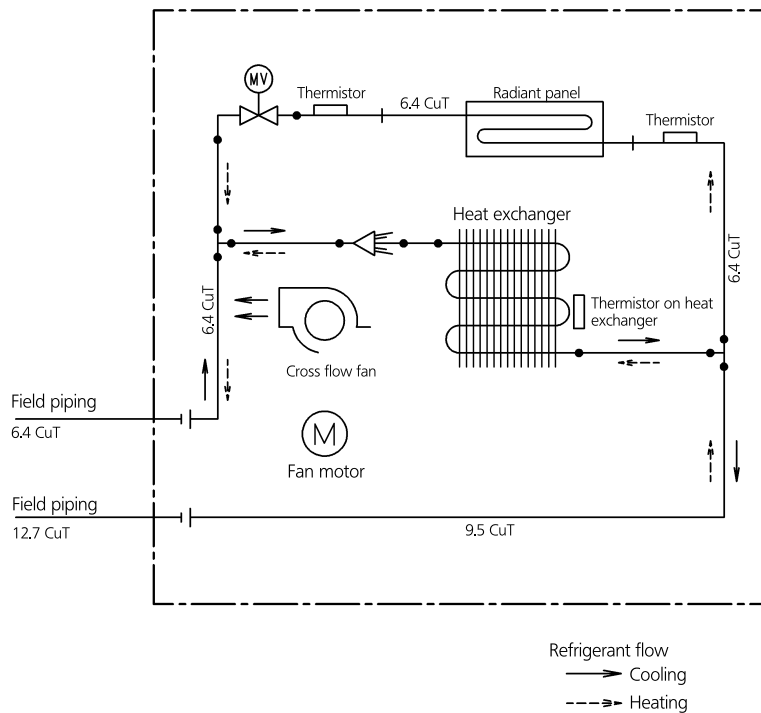
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FVXG25-35K



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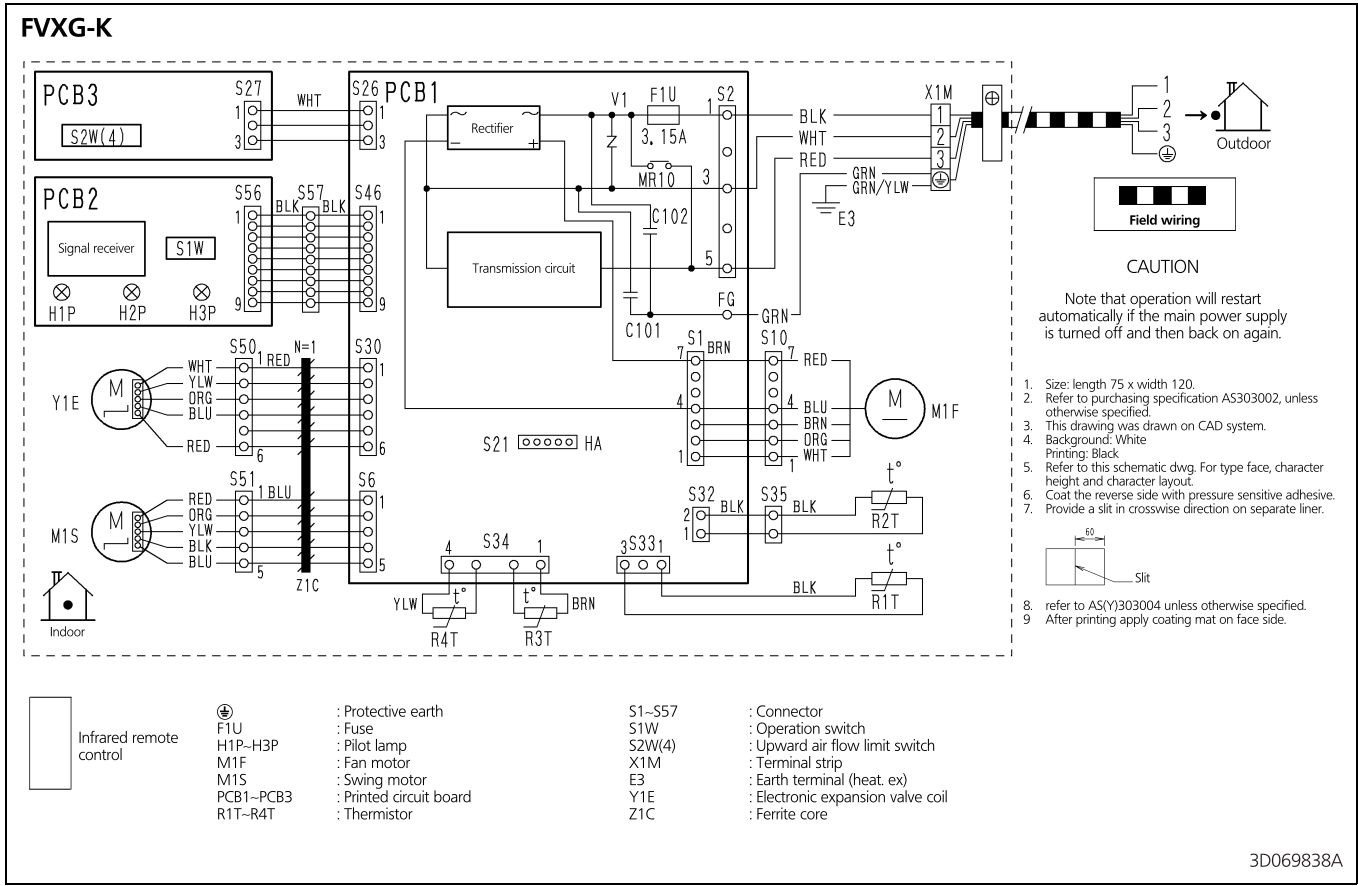
FVXG50K



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7 Wiring diagrams

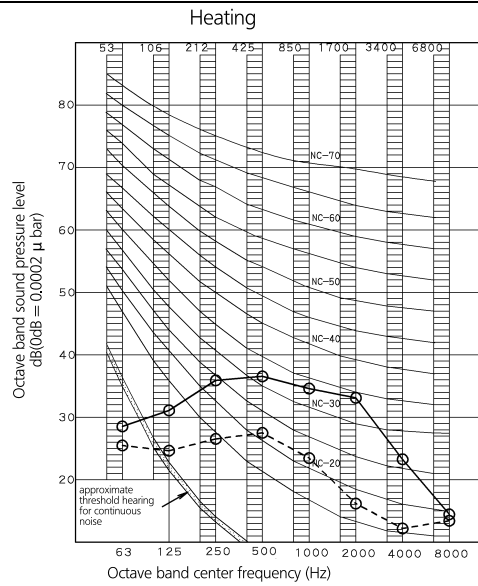
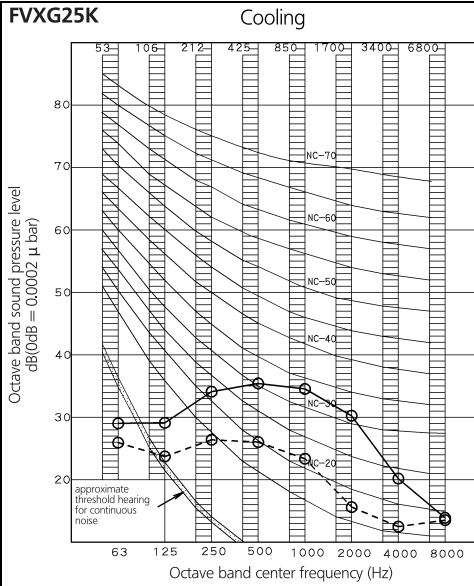
7 - 1 Wiring Diagrams - Single Phase



3D069838A

8 Sound data

8 - 1 Sound Pressure Spectrum



3D071600

Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	38	26

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

Power source 220-240V 50Hz

External static pressure

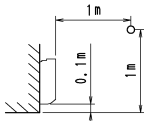
○—○ 50Hz 220-240V (H)

○- - -○ 50Hz 220-240V (L)

Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	39	26

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

Power source 220-240V 50Hz

External static pressure

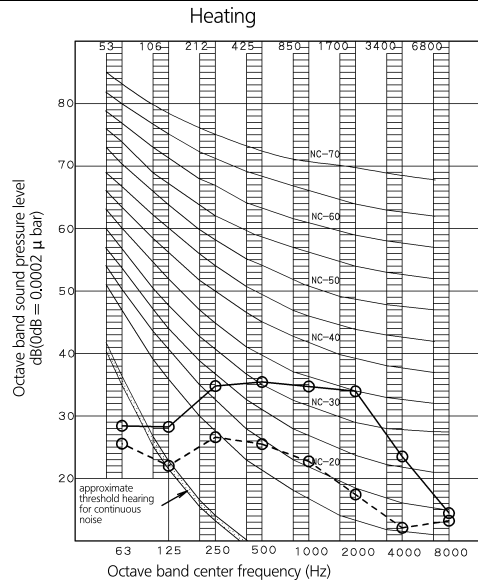
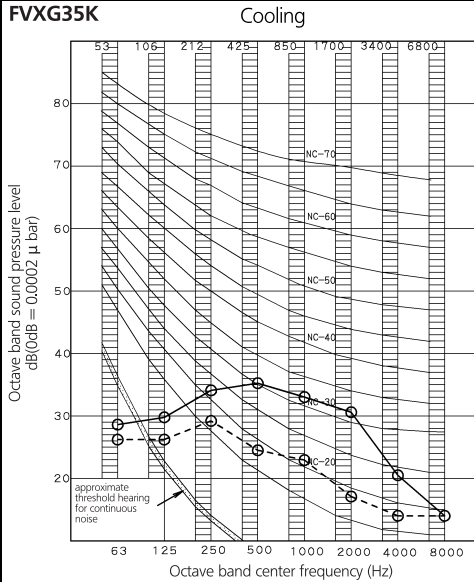
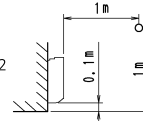
○—○ 50Hz 220-240V (H)

○- - -○ 50Hz 220-240V (L)

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612



3D071601

Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	39	27

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

Power source 220-240V 50Hz

External static pressure

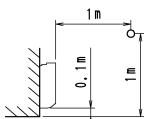
○—○ 50Hz 220-240V (H)

○- - -○ 50Hz 220-240V (L)

Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	40	27

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

Power source 220-240V 50Hz

External static pressure

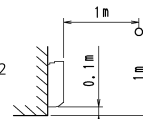
○—○ 50Hz 220-240V (H)

○- - -○ 50Hz 220-240V (L)

Heating

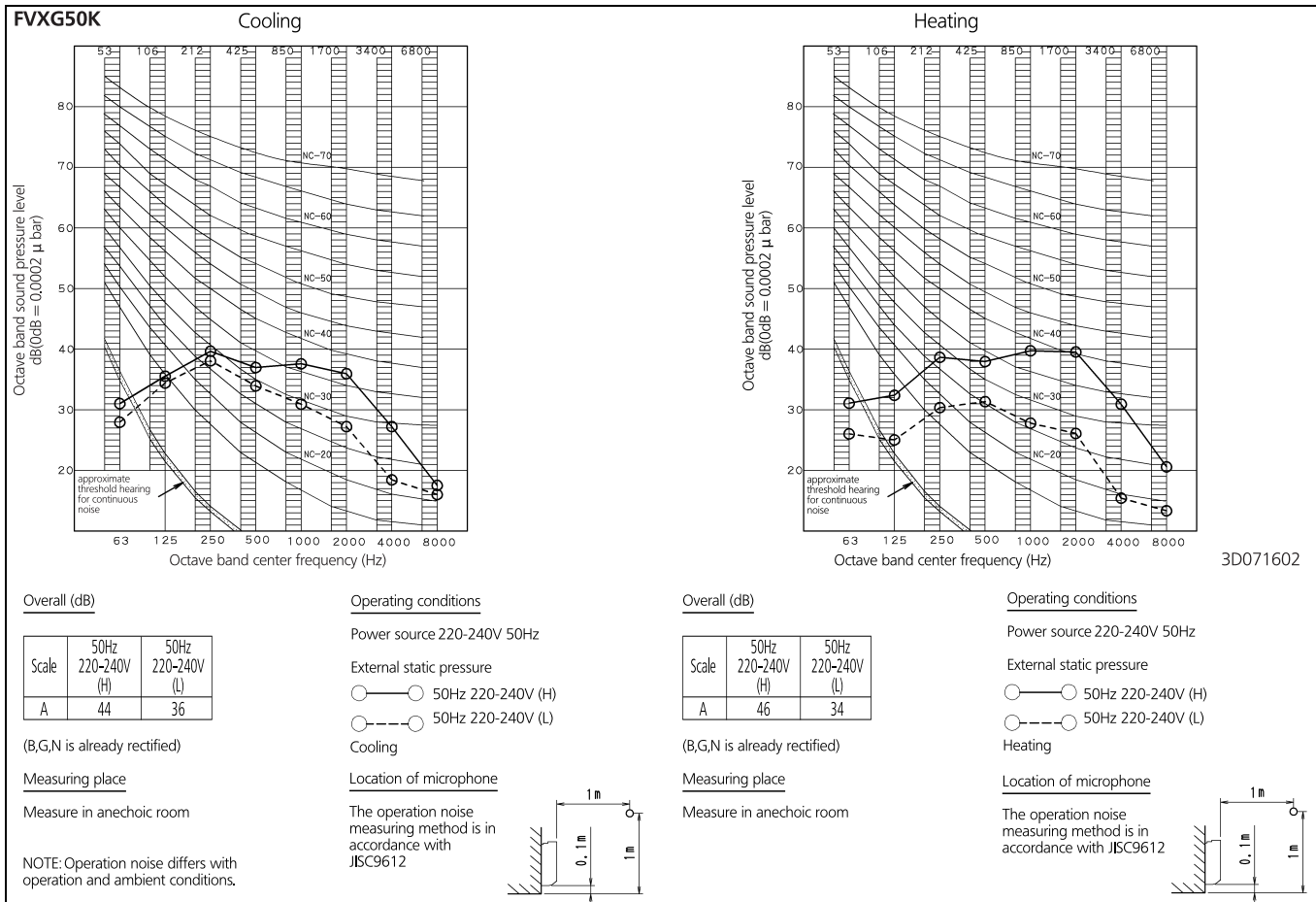
Location of microphone

The operation noise measuring method is in accordance with JISC9612



8 Sound data

8 - 1 Sound Pressure Spectrum



In all of us,
a green heart



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