

Technical Data

Floor standing



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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Air Conditioners

Technical Data

Floor standing



EEDEN11-100

FVXG-K

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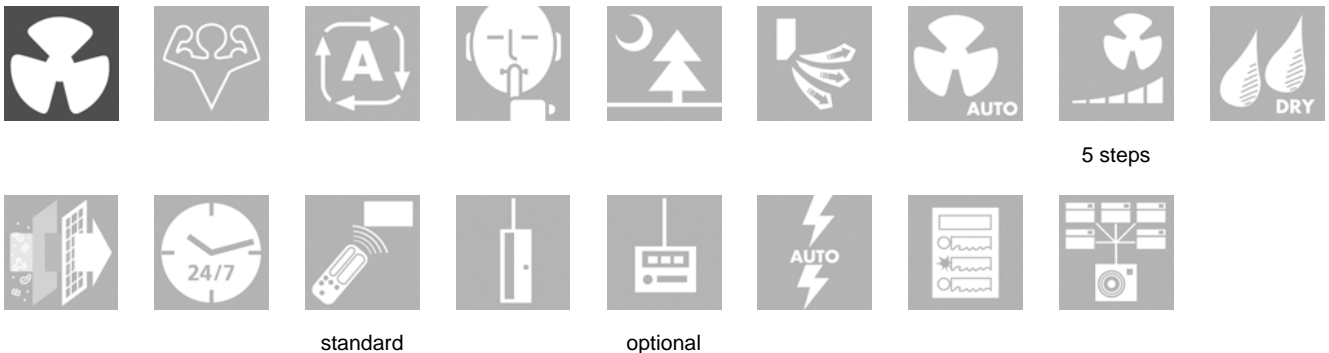
FVXG-K

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1 Features

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- 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
- 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
- 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
- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis



2 Specifications

2-1 Technical Specifications				FVXG25K2V1B	FVXG35K2V1B	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	mm	600				
		Width	mm	950				
		Depth	mm	215				
	Packed unit	Height	mm	761				
		Width	mm	1,030				
		Depth	mm	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	rpm	1,350	1,390	1,630	
				rpm	1,140	1,170	1,440	
			Low	rpm	940	950	1,250	
				Silent operation	rpm	850	860	1,100
		Heating	High	rpm	1,430	1,470	1,700	
				rpm	1,190	1,210	1,450	
			Low	rpm	950	960	1,200	
				Silent operation	rpm	840	870	1,080
		Output	High	W	32			
Sound power level	Cooling	Nom.	dB(A)	54	55	56		
	Heating	Nom.	dB(A)	55	56	58		
Sound pressure level	Cooling	High	dB(A)	38	39	44		
			dB(A)	32	33	40		
		Low	dB(A)	26	27	36		
			Silent operation	dB(A)	23	24	32	
	Heating	High	dB(A)	39	40	46		
			dB(A)	32	33	40		
		Low	dB(A)	26	27	34		
			Silent operation	dB(A)	22	23	30	

2 Specifications

2-1 Technical Specifications	FVXG25K2V1B	FVXG35K2V1B	FVXG50K
Temperature control	Microcomputer control		
Air direction control	Right, left, upwards		
Air filter	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;

2-2 Electrical Specifications				FVXG25K2V1B	FVXG35K2V1B	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 - 50Hz	Nominal running current		A	-		
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

3 Options

3 - 1 Options

FVXG25-50K

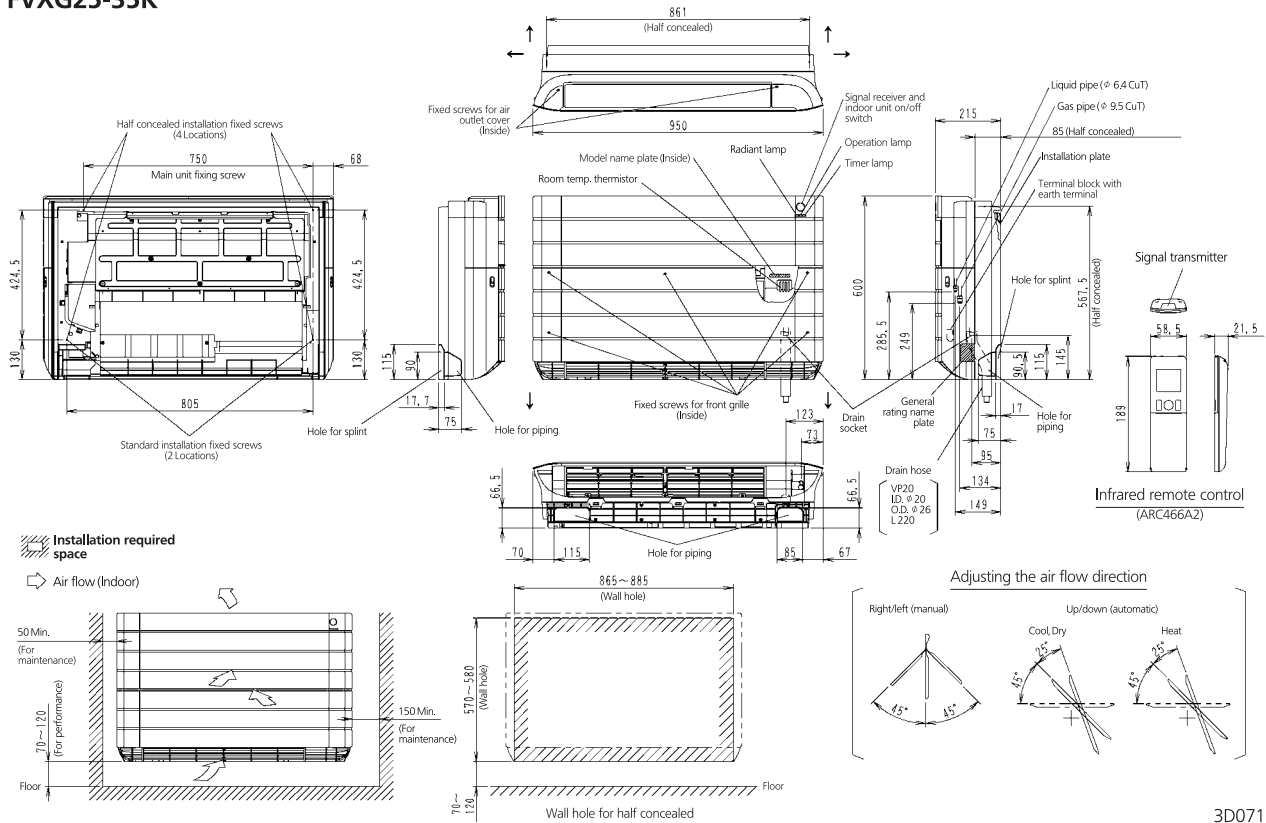
	Description	Material name
Indoor	Wired remote controller	BRC944B2
	5-room centralized controller	KRC72A
	Adopter PCB	KRP413AB1S
	Titanium apatite photocatalytic air-purifying filter without frame	KAF970A46
	Remote controller chain	KKF910A4
	Interface adapter for DIII-net use	KRP928BB2S
	Central remote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

4 Dimensional drawings

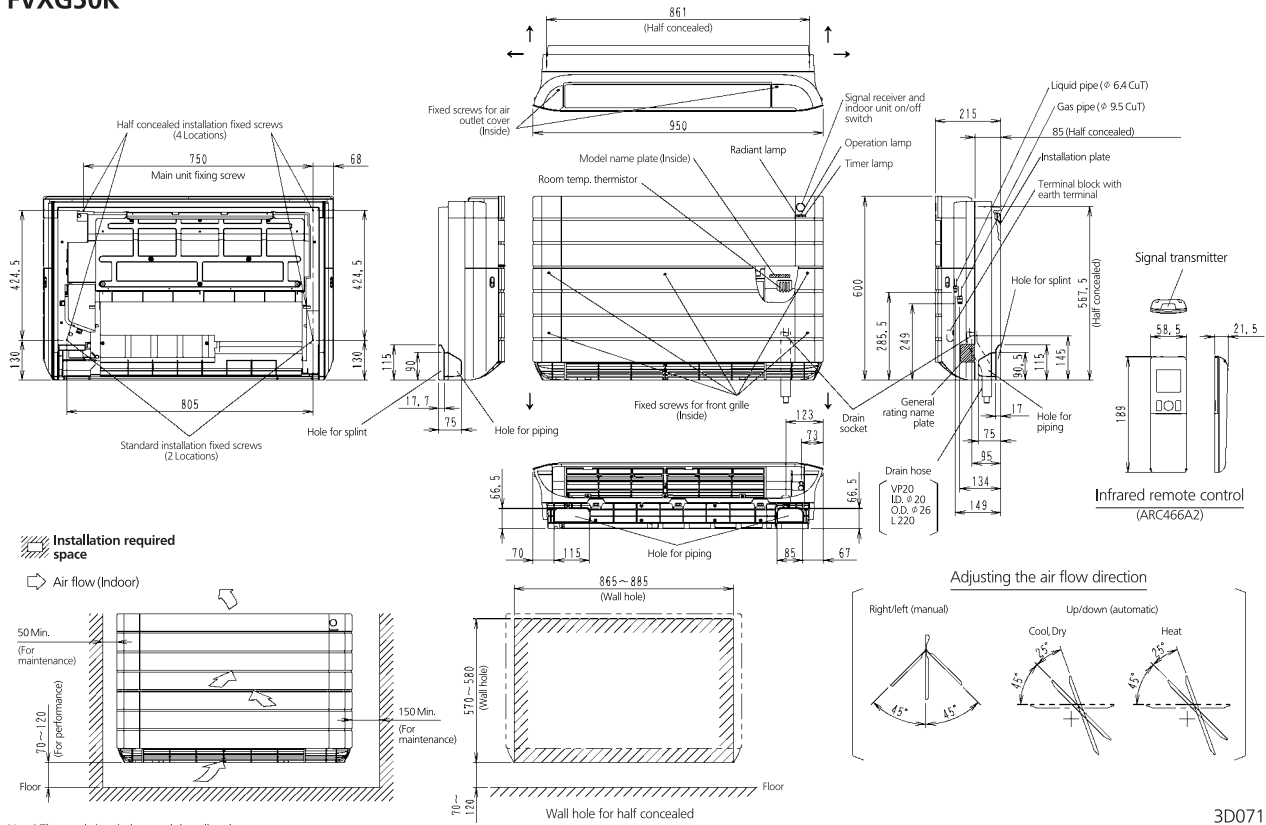
4 - 1 Dimensional Drawings

4

FVXG25-35K



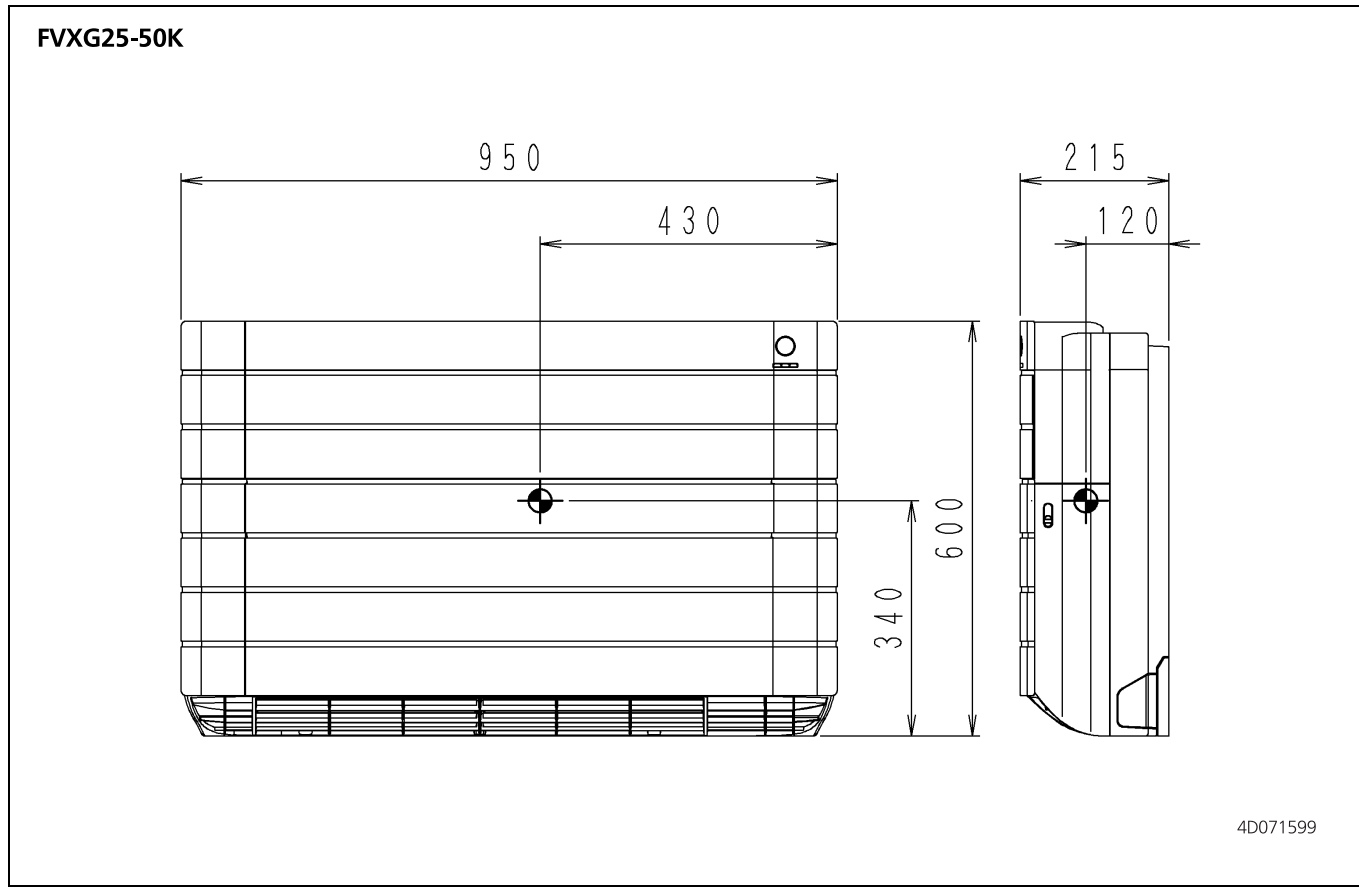
FVXG50K



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5 Centre of gravity

5 - 1 Centre of Gravity

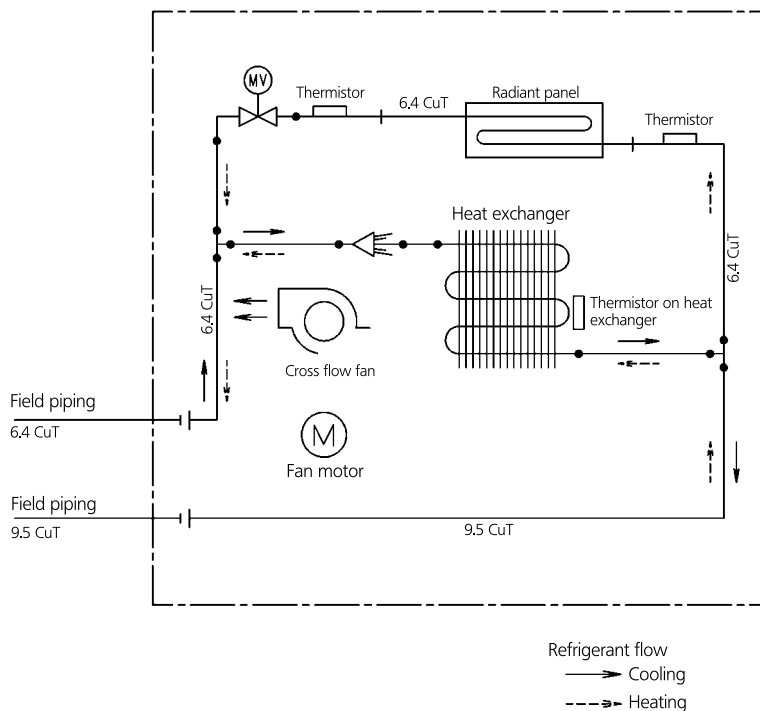


6 Piping diagrams

6 - 1 Piping Diagrams

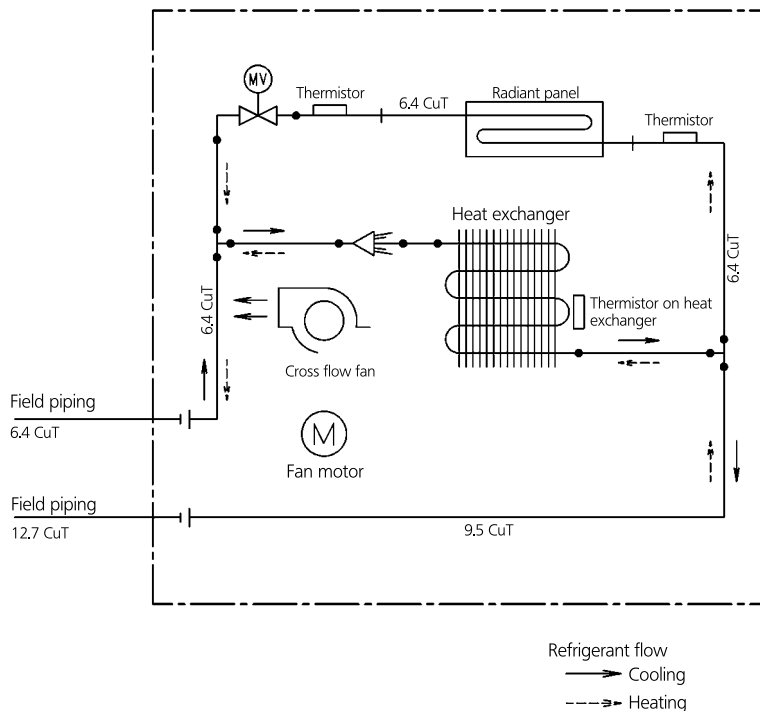
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FVXG25-35K



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FVXG50K

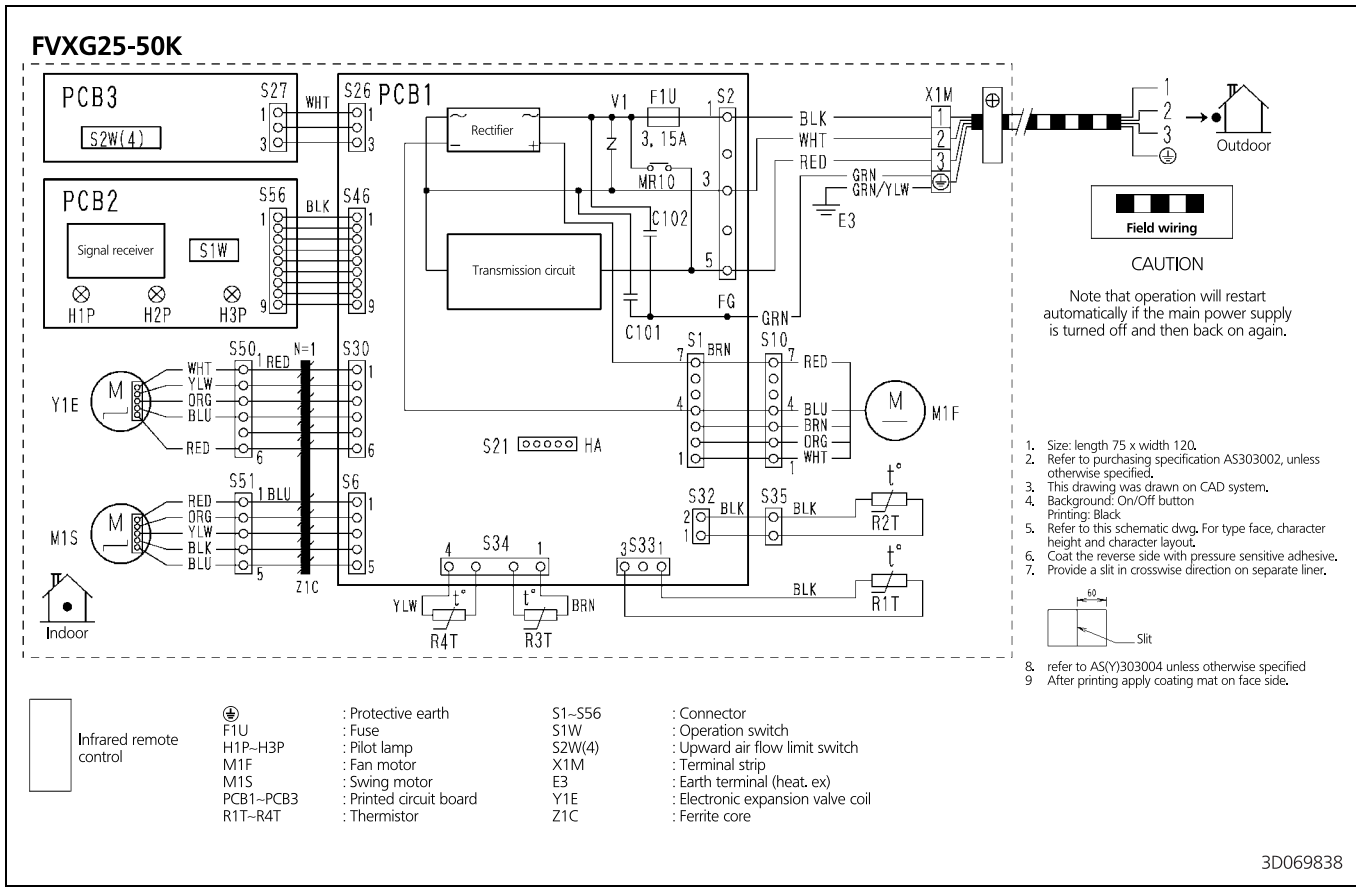


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7 Wiring diagrams

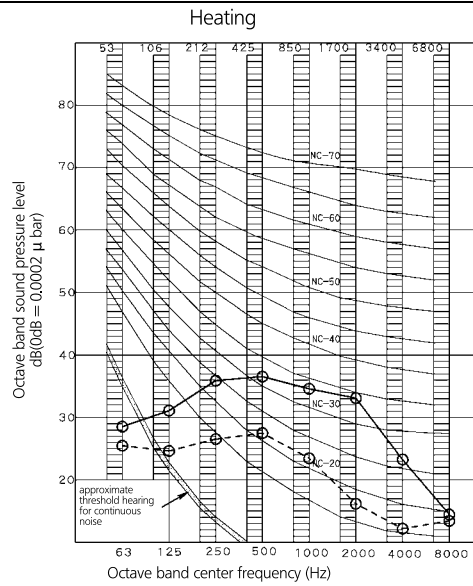
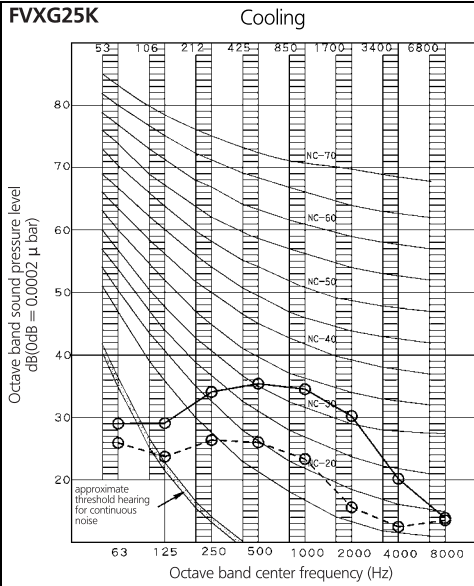
7 - 1 Wiring Diagrams - Single Phase



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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

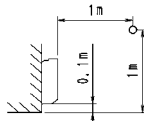
External static pressure

- 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

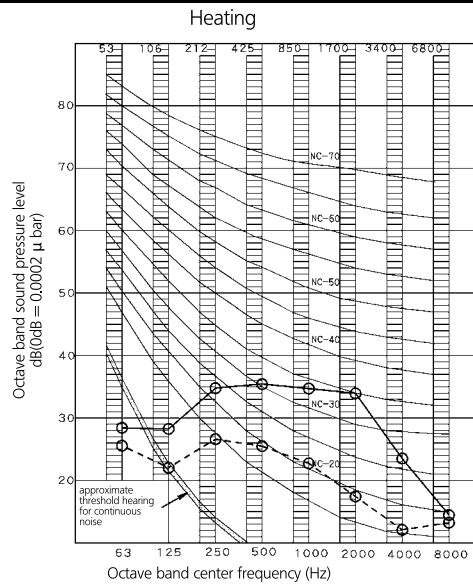
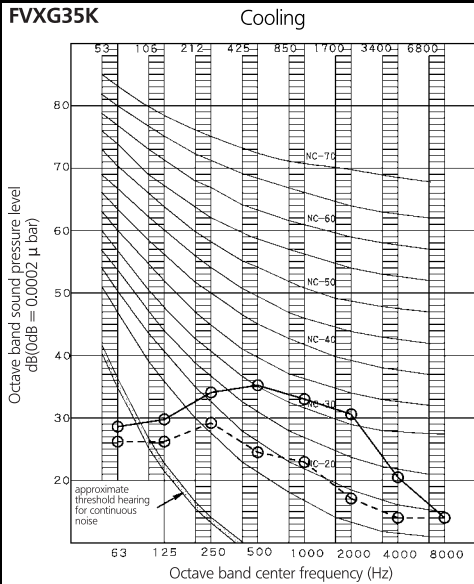
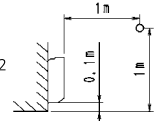
External static pressure

- 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

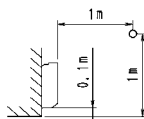
External static pressure

- 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

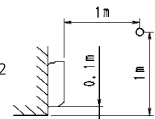
External static pressure

- 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

