



Air Conditioning Technical Data

Floor standing unit with radiant heat panel



EEDEN15-100

FVXG-K

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FVXG-K

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1 Features

Stylish floor standing unit with radiant heat panel for comfortable heat and very low noise

- 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
- Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- 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
- Online controller (optional): control your indoor from any location with an app, via your local network or internet
- Can be installed against a wall or recessed
- Its low height enables the unit to fit perfectly beneath a window
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis



Energy efficiency



Econo mode



Night set mode



Fan only



Radiant heat



Powerful mode



Auto cooling-heating changeover



Whisper quiet



Indoor unit silent operation



Outdoor unit silent operation



Vertical auto swing



Auto fan speed



Fan speed steps



Dry programme



Titanium apatite photocatalytic air purification filter



Online controller via app



Auto-restart



Self diagnosis



Multi model application



VRV for residential application

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	mm	600/950/215			
	Packed unit	Height/Width/Depth	mm	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			
Air filter	Type			Removable / washable / mildew proof			
Fan	Type			Cross flow fan			
	Air flow rate	Cooling	High	m³/min	8.9	9.1	10.6
				cfm	314	321	374
			Nom.	m³/min	8.9	9.1	10.3
				cfm	314	321	-
			Low	m³/min	5.3		7.3
				cfm	187		258
		Silent operation	m³/min	4.5		6.0	
			cfm	159		212	
		Heating	High	m³/min	9.9	10.2	12.2
				cfm	349	360	431
			Nom.	m³/min	7.8	8.0	10.0
				cfm	275	282	353
	Low		m³/min	5.7	5.8	7.8	
cfm			201	205	275		
Silent operation	m³/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
				rpm	1,430/1,190/950/840	1,470/1,210/960/870	1,700/1,450/1,200/1,080
		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				
Sound power level	Cooling		dBA	52		58	
	Heating		dBA	53		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/Radiant heat	dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26	
Control systems	Infrared remote control			ARC466A2			
Refrigerant	Type			R-410A			

2 Specifications

2-1 Technical Specifications			FVXG25K	FVXG35K	FVXG50K
Piping connections	Liquid	OD	6.35		
	Gas	OD	9.50	12.70	
	Drain		18		
Temperature control			Microcomputer control		
Air direction control			Right, left, upwards		

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Installation plate; Quantity : 1;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

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

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Insulation sheet; Quantity : 2;

Standard Accessories : Operation manual; Quantity : 1;

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

2-2 Electrical Specifications				FVXG25K	FVXG35K	FVXG50K
Power supply	Name			V1		
	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)
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

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

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

FVXG-K

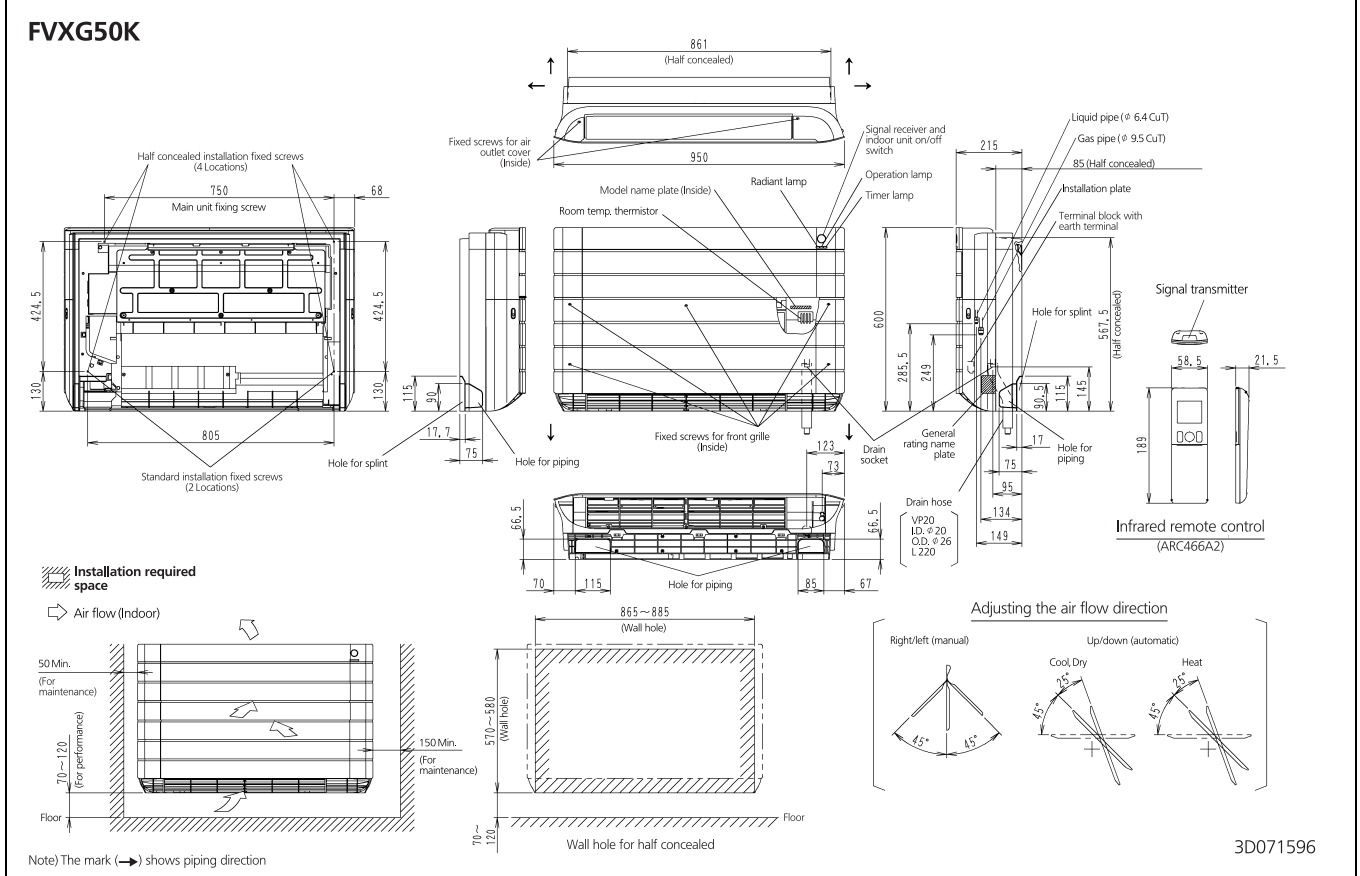
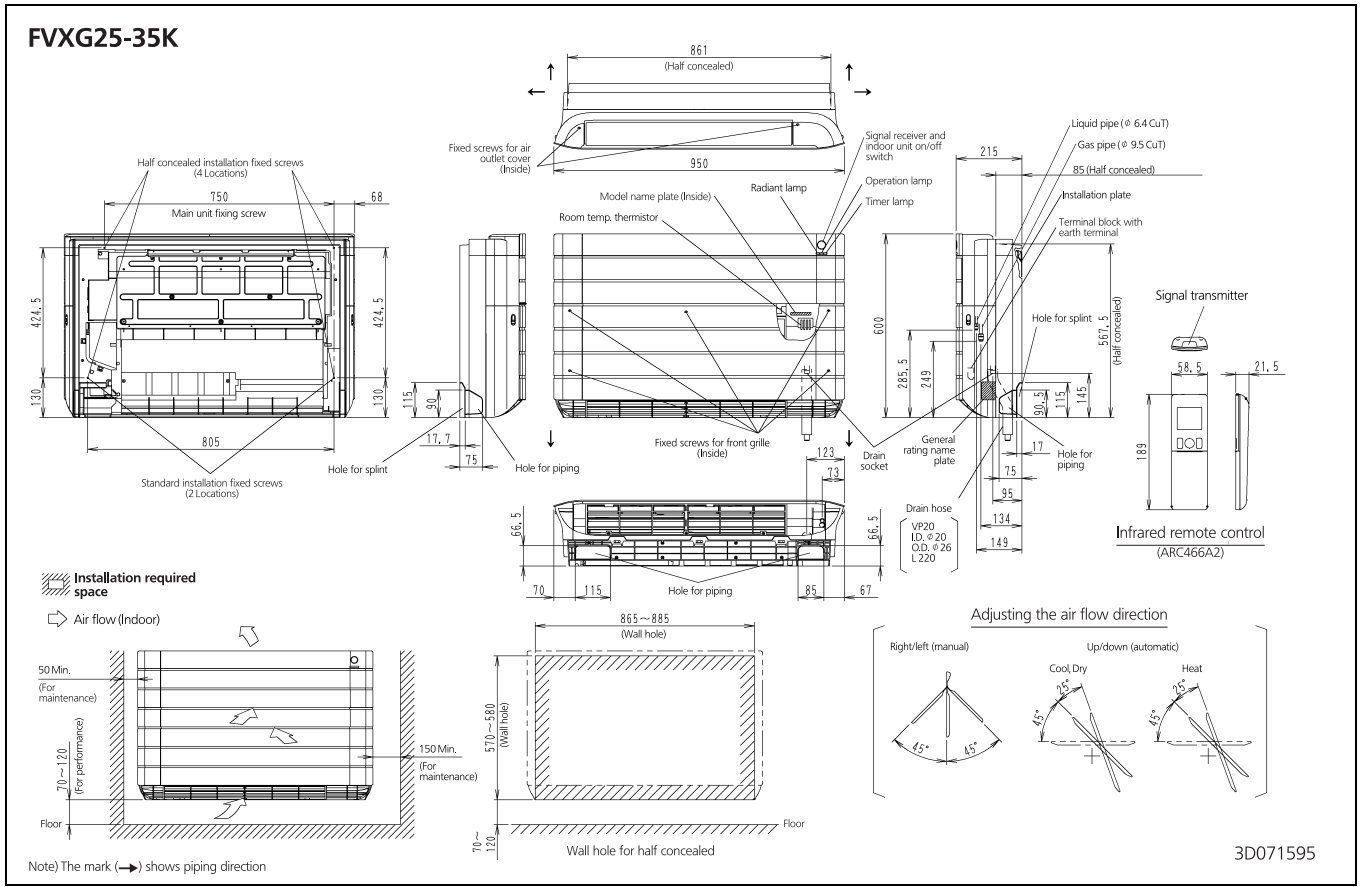
Indoor Units - Control systems

		FVXG-K
Wired remote control		BRC044 (3) 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)
Anti-theft protection for remote control		KXF910A4
Interface adapter for DIII-net		KRP928A2S
Online controller		BRP069A4Z
Modbus gateway		RTD-RA
KIX gateway		KJK-DD
Installation leg		BKS028

- (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 Dimensional drawings

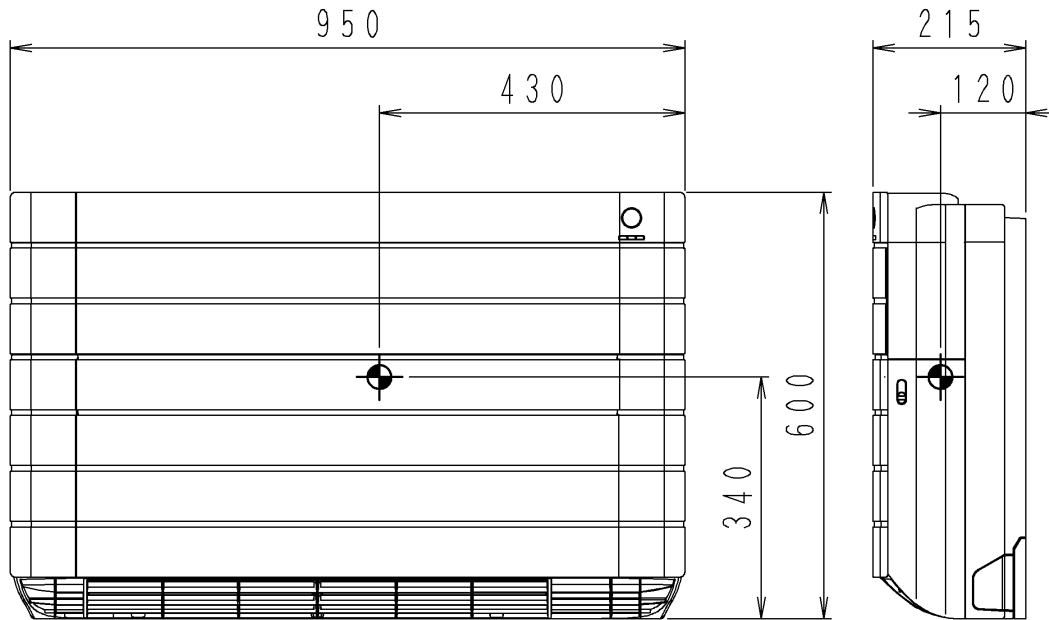
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

FVXG25-50K



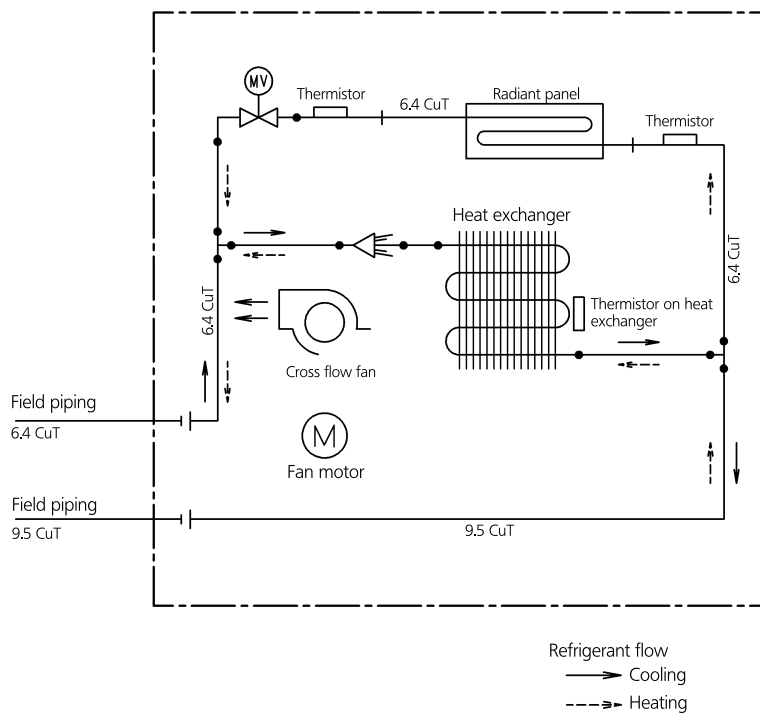
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6 Piping diagrams

6 - 1 Piping Diagrams

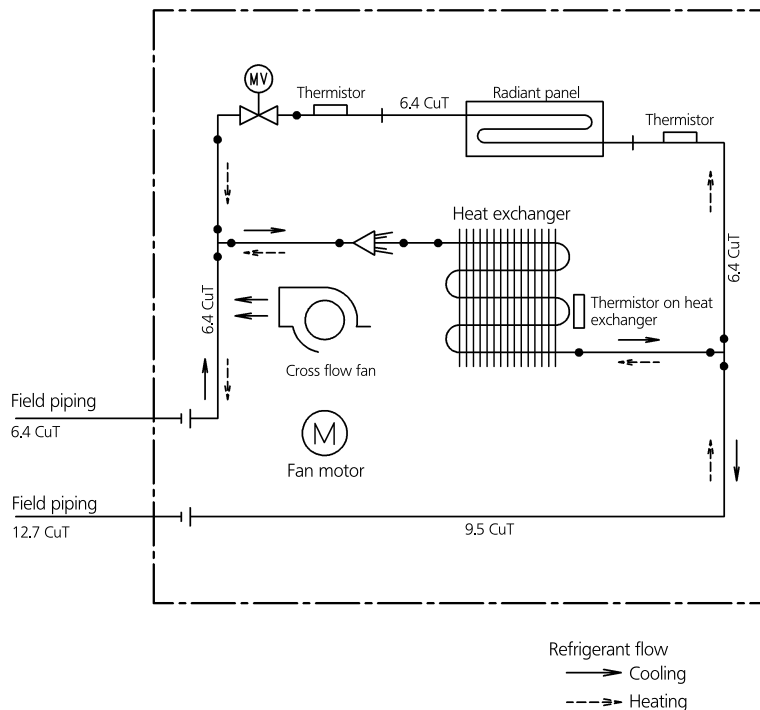
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FVXG25-35K



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FVXG50K

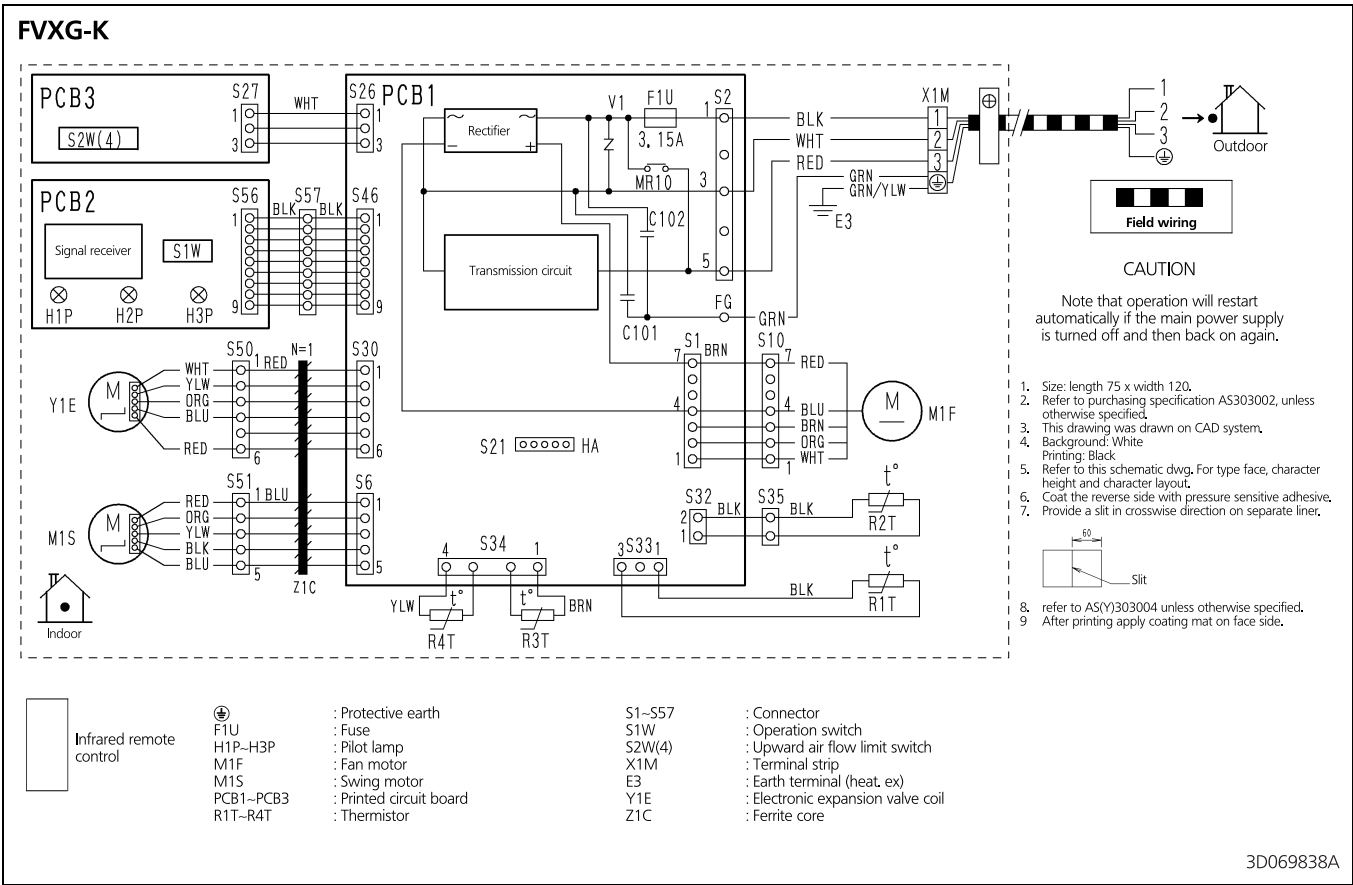


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

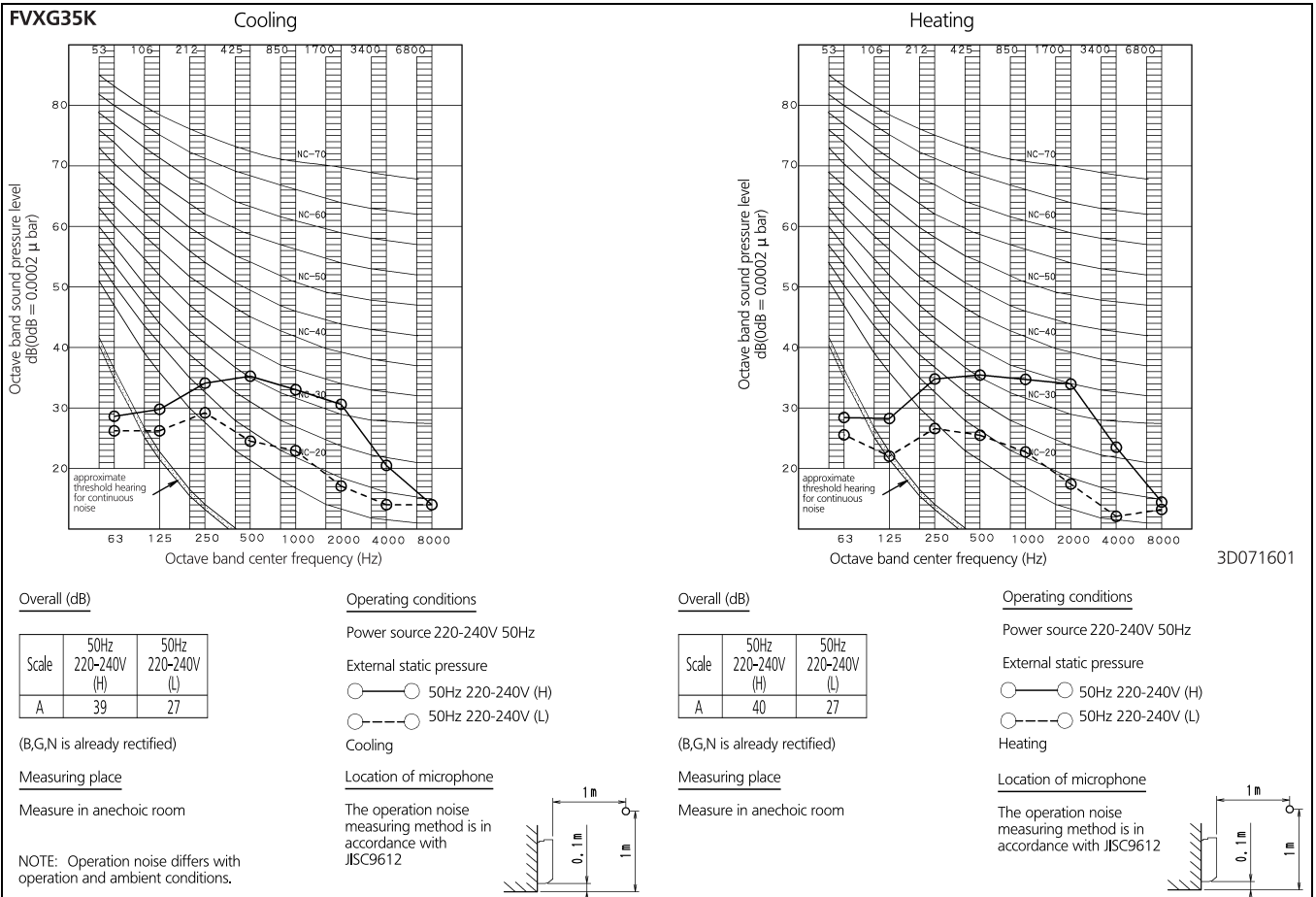
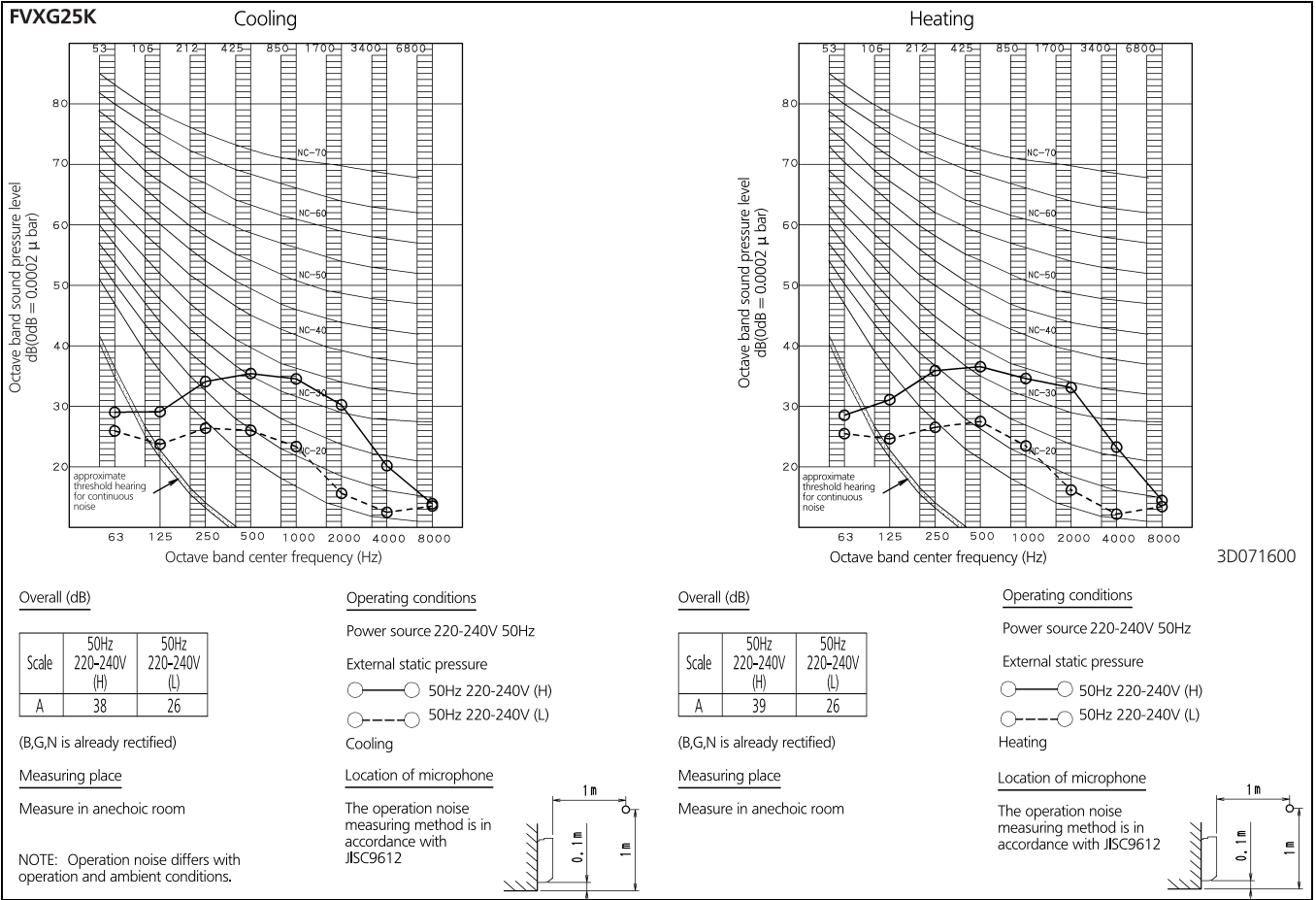


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8 Sound data

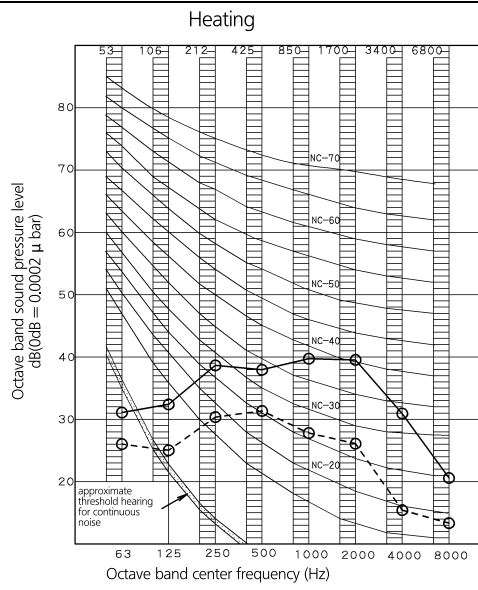
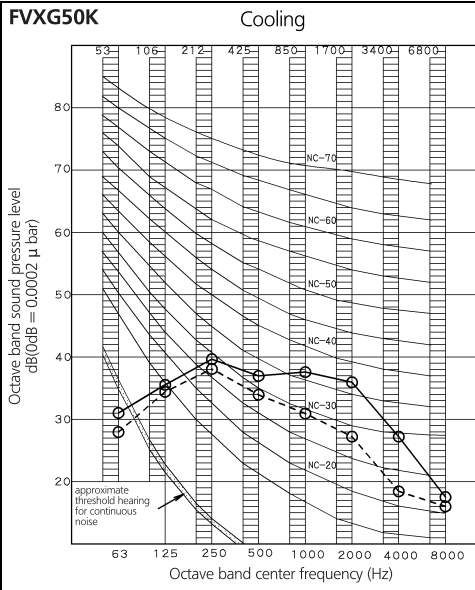
8 - 1 Sound Pressure Spectrum

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8 Sound data

8 - 1 Sound Pressure Spectrum



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Overall (dB)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	44	36

(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

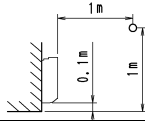
External static pressure

- 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	46	34

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

Power source 220-240V 50Hz

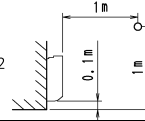
External static pressure

- 50Hz 220-240V (H)
- - -○ 50Hz 220-240V (L)

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612





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