

Floor standing unit  
Technical data book  
CVXM-A /  
FVXM-A



CVXM20A2V1B  
FVXM25A2V1B  
FVXM35A2V1B  
FVXM50A2V1B



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# CVXM-A / FVXM-A

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# 1 Features

## 1 - 1 FVXM-A, CVXM-A

Design floor standing unit for optimal heating comfort thanks to unique heating features

**1**

- › Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- › Excellent contemporary design
- › Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- › The floor warming function optimises convection by distributing hot air from the bottom of the unit
- › The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- › Dual air discharge flow for better air distribution
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- › Daikin Residential controller: control your indoor from any location with an app, via your local network or internet.
- › Quiet operation: down to 19dBA sound pressure level
- › Combinable with 2 and 3 port multi outdoor units



Practically inaudible



Heat boost



Floor warming



Heat plus



Daikin Residential Controller



Econo mode



Energy saving during standby mode



Night set mode



Fan only



Draught prevention



Powerful mode



Auto cooling-heating changeover



Indoor unit silent operation



Outdoor unit silent operation



Night quiet mode



Vertical auto swing



Auto fan speed



Fan speed steps

# 1 Features

1 - 1 FVXM-A, CVXM-A



Dry programme



Flash Streamer



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi model application

## 2 Specifications

### 1 - 1 FVXM-A, CVXM-A

2

Technical specifications					CVXM20A		
Power input	Cooling	Nom.		kW	0.02		
	Heating	Nom.		kW	0.02		
Casing	Colour				White		
Dimensions	Unit	Height		mm	600		
		Width		mm	750		
		Depth		mm	238		
	Packed unit	Height		mm	765		
		Width		mm	885		
		Depth		mm	330		
Weight	Unit				kg		
	Packed unit				kg		
Packing	Weight				kg		
Heat exchanger	Length				mm		
	Rows	Quantity					
						2	
	Fin pitch				mm		
	Face area				m <sup>2</sup>		
	Stages	Quantity					
						22	
	Passes	Quantity					
						6	
	Tube type				ø5 Hi-XB		
	Tube material				Copper		
	Tube diameter				mm		
	Fin	Type					
						Multi slit fin	
Treatment				Hydrophilic			
Heat exchanger 2	Quantity				1		
	Length				mm		
	Rows	Quantity					
						490	
	Fin pitch				mm		
	Face area				m <sup>2</sup>		
Stages				Quantity			
Fan	Type				Turbo fan		
	Quantity				1		
	Air flow rate	Cooling	High	m <sup>3</sup> /min	8.7		
				cfm	307		
		Medium	m <sup>3</sup> /min	7			
cfm			237				
Low	m <sup>3</sup> /min	4.9					
	cfm	173					
Fan	Air flow rate	Cooling	Low	cfm	173		
			Silent operation	m <sup>3</sup> /min	4.1		
	Heating	High	m <sup>3</sup> /min	9.2			
			cfm	325			
		Medium	m <sup>3</sup> /min	7.2			
			cfm	254			
		Low	m <sup>3</sup> /min	5.6			
			cfm	198			
		Silent operation	m <sup>3</sup> /min	4.1			
			cfm	145			
Fan motor	Quantity				1		
	Type				DC motor		
	Speed	Cooling	High	rpm	600		
				rpm	480		
				rpm	370		
			Silent operation	rpm	320		
				Heating	High	rpm	630
						rpm	510
		rpm	410				
		Silent operation	rpm	320			
			Output				Rated
							W
		Sound power level	Cooling				dB(A)
Heating				dB(A)			
Sound pressure level	Cooling	High		dB(A)	38.0		
		Medium		dB(A)	32.0		
		Low		dB(A)	25.0		
		Silent operation			dB(A)	22.0	
	Heating	High		dB(A)	38.0		
		Medium		dB(A)	32.0		
		Low		dB(A)	25.0		
		Silent operation			dB(A)	21.0	
		Refrigerant	Type				R-32
			GWP				675.0

## 2 Specifications

### 1 - 1 FVXM-A, CVXM-A

Technical specifications				CVXM20A
Piping connections	Liquid	OD	mm	6.4
	Gas	OD	mm	9.50
Piping connections	Drain	VP20 (I.D. 20/O.D. 26)		
	Heat insulation	Both liquid and gas pipes		
Air filter	Type	Removable / washable		
	Quantity	pc	1	
Air direction control				Right, Left, Horizontal, Downward
Temperature control				Microcomputer control
Control systems	Infrared remote control			ARC466A66
	Wired remote control			BRC073A1

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Wireless remote control; Quantity: 1;

Standard accessories: AAA dry-cell batteries; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter; Quantity: 2;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Electrical specifications				CVXM20A
Power supply	Phase			1~
	Frequency		Hz	50
	Voltage		V	220-240
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.2
		Cooling	A	0.2
Wiring connections - 50Hz	For power supply	Quantity	3	
		Remark	3 for power supply, 4 for interunit wiring (Earth wire included)	
Current	Nominal running current (RLA)	Cooling	A	0.2

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

Technical specifications				FVXM25A	FVXM35A	FVXM50A	
Power input	Cooling	Nom.	kW	0.02	0.02	0.03	
	Heating	Nom.	kW	0.02		0.03	
Casing	Colour			White			
Dimensions	Unit	Height	mm	600			
		Width	mm	750			
		Depth	mm	238			
	Packed unit	Height	mm	765			
		Width	mm	885			
		Depth	mm	330			
Weight	Unit			17			
	Packed unit			22			
Packing	Weight				5		
Heat exchanger	Length				540		
	Rows	Quantity		2			
		Fin pitch				1.20	
	Face area				0.226		
	Stages	Quantity		22			
		Passes	Quantity		6		
	Tube type			ø5 Hi-XB			
	Tube material			Copper			
	Tube diameter					5	
	Fin	Type		Multi slit fin			
		Treatment		Hydrophilic			
	Heat exchanger 2	Quantity		1			
Length				490			
Rows		Quantity		1			
		Fin pitch				1.20	
Face area				0.206			
Stages		Quantity		22			
	Fan			Turbo fan			
Quantity			1				
Air flow rate	Cooling	High	m <sup>3</sup> /min	8.7	9.2	11.6	
			cfm	307	325	410	
	Medium	m <sup>3</sup> /min		7		9	
		cfm		237		307	
	Low	m <sup>3</sup> /min		4.9		6.6	

## 2 Specifications

### 1 - 1 FVXM-A, CVXM-A

2

Technical specifications				FVXM25A	FVXM35A	FVXM50A	
Fan	Air flow rate	Cooling	Low	cfm	173	233	
			Silent operation	m <sup>3</sup> /min	4.1	5.4	
	Heating	High		m <sup>3</sup> /min	9.2	9.8	12.8
				cfm	325	346	452
		Medium		m <sup>3</sup> /min	7.2		10.0
				cfm	254		353
		Low		m <sup>3</sup> /min	5.6		8.4
				cfm	198		297
	Silent operation		m <sup>3</sup> /min	4.1		5.9	
				cfm	145		208
Fan motor	Quantity	1					
	Type	DC motor					
	Speed	Steps	5 + silent, + auto				
		Cooling	High	rpm	600	630	780
	Medium		rpm	480		600	
	Low		rpm	370		470	
	Heating	Silent operation	rpm	320		400	
		High	rpm	630	670	850	
		Medium	rpm	510		680	
		Low	rpm	410		580	
	Silent operation	rpm	320		430		
Output	Rated	W		37			
	Cooling		dBa	52.0	53.0	61.0	
Heating			dBa	52.0	53.0	62.0	
	Sound pressure level	Cooling	High	dBa	38.0	39.0	44.0
Medium			dBa		32.0	38.0	
Low			dBa		25.0	31.0	
Silent operation			dBa		20.0	27.0	
Heating		High	dBa	38.0	39.0	46.0	
		Medium	dBa		32.0	40.0	
		Low	dBa		25.0	35.0	
		Silent operation	dBa		19.0	29.0	
Refrigerant	Type	R-32					
	GWP	675.0					
Piping connections	Liquid	OD	mm	6.4			
	Gas	OD	mm	9.50		12.70	
Piping connections	Drain	VP20 (I.D. 20/O.D. 26)					
	Heat insulation	Both liquid and gas pipes					
Air filter	Type	Removable / washable					
	Quantity	pc		1			
Air direction control	Right, Left, Horizontal, Downward						
Temperature control	Microcomputer control						
Control systems	Infrared remote control	ARC466A66					
	Wired remote control	BRC073A1					

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Wireless remote control; Quantity: 1;

Standard accessories: AAA dry-cell batteries; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter; Quantity: 2;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Electrical specifications				FVXM25A	FVXM35A	FVXM50A
Power supply	Phase	1~				
	Frequency	Hz		50		
	Voltage	V		220-240		
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.2		0.4
Wiring connections - 50Hz		For power supply	Quantity	3		
			Remark	3 for power supply, 4 for interunit wiring (Earth wire included)		
Current	Nominal running current (RLA)	Cooling	A	0.2		0.4

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m



### 3 Options

#### 3-1 Options

FVXM-A CVXM-A			New Floor stand				
			Factory	DICz			
			Casing	Floor Stand	Floor Stand	Floor Stand	Floor Stand
			Class	20	25	35	50
			Applicable models	CVXM20A2V1B	FVXM25A2V1B	FVXM35A2V1B	FVXM50A2V1B
Option kit	Product name	Remark (New Floor stand)					
Wired remote control	BRC073A1	② ③		✓	✓	✓	✓
Extension cord for wired remote control (·3·m)	BRCW901A03			✓	✓	✓	✓
Extension cord for wired remote control (·8·m)	BRCW901A08			✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S	② ③		✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S	② ③		✓	✓	✓	✓
Central remote control	DCS302CA51	② ③		✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	② ③		✓	✓	✓	✓
Schedule timer	DST301BA51	② ③		✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	② ③		✓	✓	✓	✓
·Modbus· interface	EKMBDXA	② ③		✓	✓	✓	✓
Modbus gateway	RTD-RA	② ③		✓	✓	✓	✓
·KNX· interface	KLIC-DD	② ③		✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①		✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41			✗	✗	✗	✗
Conversion wire harness	EKRS21			✓	✓	✓	✓

Notes

- Standard accessory
- This option features a(n) ·S21· connector. To connect this option to the indoor unit, therefore conversion wire harness ·EKRS21· is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.  
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.

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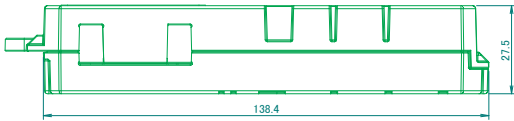
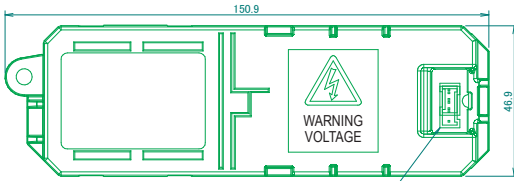
# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

4

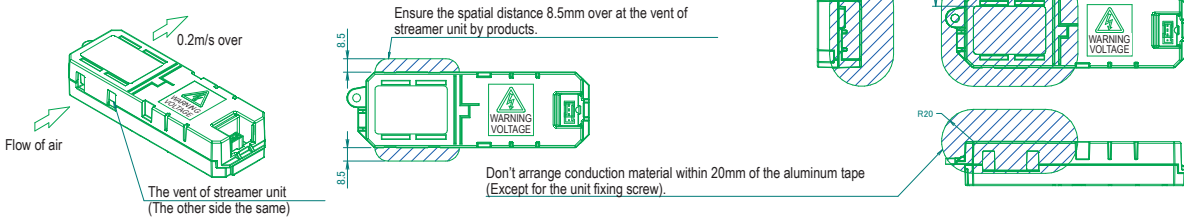
FVXM-A  
CVXM-A

• Outside size



• Method of mounting

Don't blockage the vent of streamer unit.  
Ensure the exit wind speed 0.2m/sec of the vent.  
Ensure the spatial distance 8.5mm over at the vent of streamer unit.

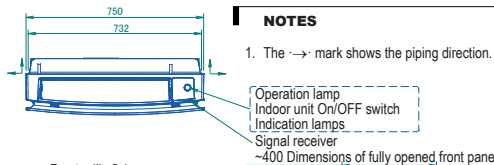
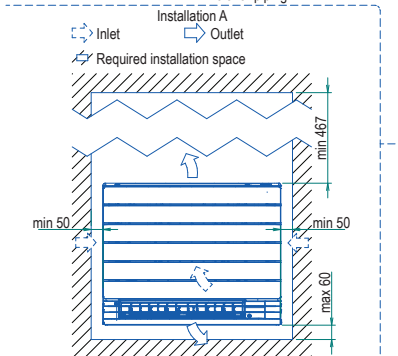
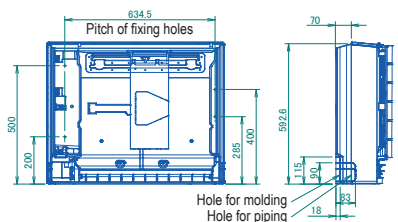
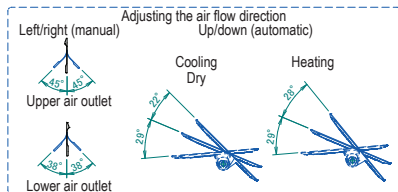


• Main specifications

Items	Contents		
Outside	Outside size	150.9×46.9×27.5mm	
	Weight	100g	
Material of resin	Material	ABS	
	Flame retardance	UL94-5VA	
	Tracking index	Over CT1600V	
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)		
Ambient conditions	Storage temperature	-25-70 (Non-Energization)	
	Operating ambient temperature	-10-60 (Energization)	
Basic specifications	Operating ambient humidity	5-95%RH (No dew deposit)	
	Input voltage	14V±5%	
	Maximum output voltage	6.5±0.5kV	
	Rating output voltage	5.0±0.5kV	
	Rating output current	Hi	55.5μA±10%
		Lo	10μA±10%
	ON/OFF	Inputted voltage into Vin (ON/OFF)	
	Hi ↔ Lo Switching	Inputted 5V into HL (Loe tap)	
	Current monitor	Yes	
	Detectable over current	Yes	
Detectable low voltage	Under 3kV		
Generation amount of Ozone	4.26ml/hr (Hi 14±2! 50±10%RH)		
Method of mounting	Fixing by the right and left hook Fixing by the screw section		

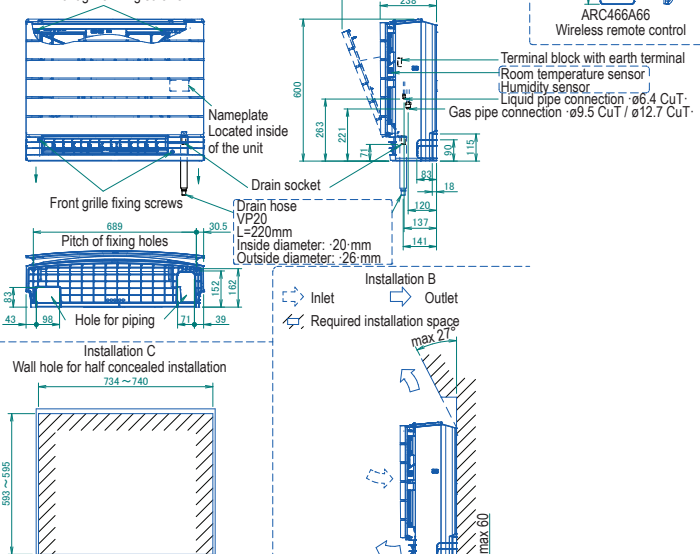
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FVXM-A  
CVXM-A



NOTES

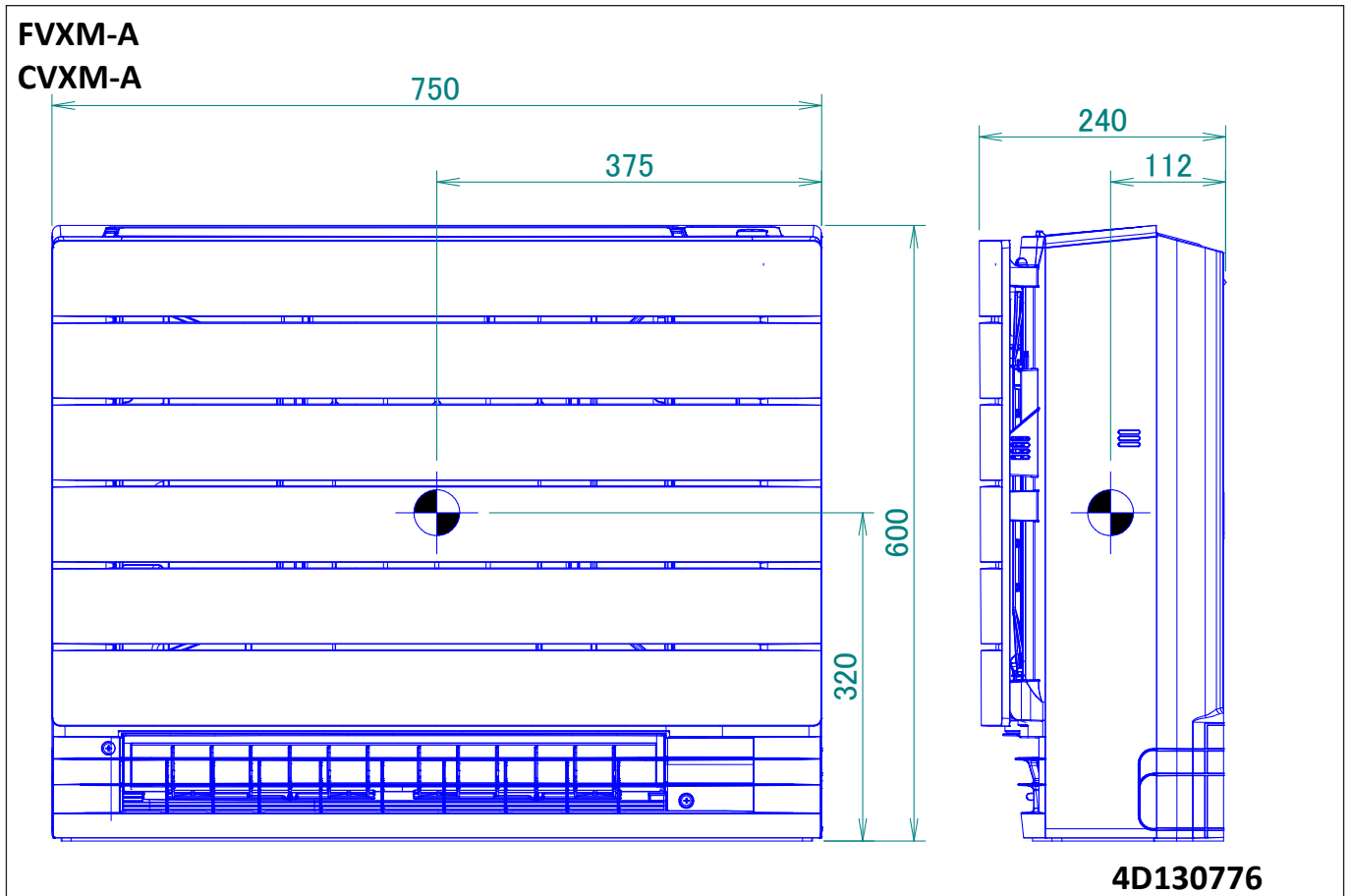
1. The → mark shows the piping direction.



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# 5 Centre of gravity

## 5 - 1 Centre of Gravity

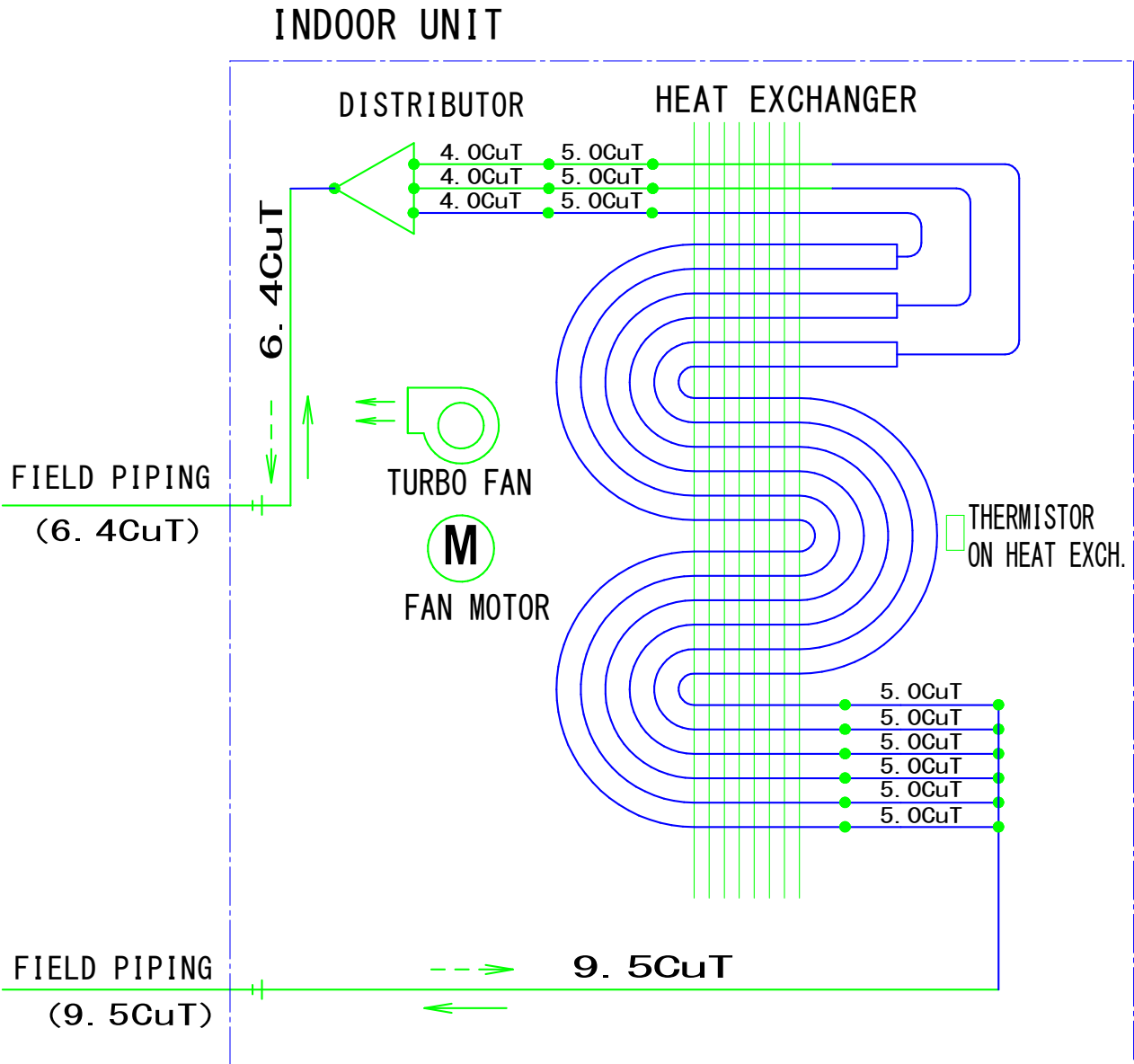


# 6 Piping diagrams

## 6 - 1 Piping Diagrams

6

FVXM25-35A  
CVXM-A



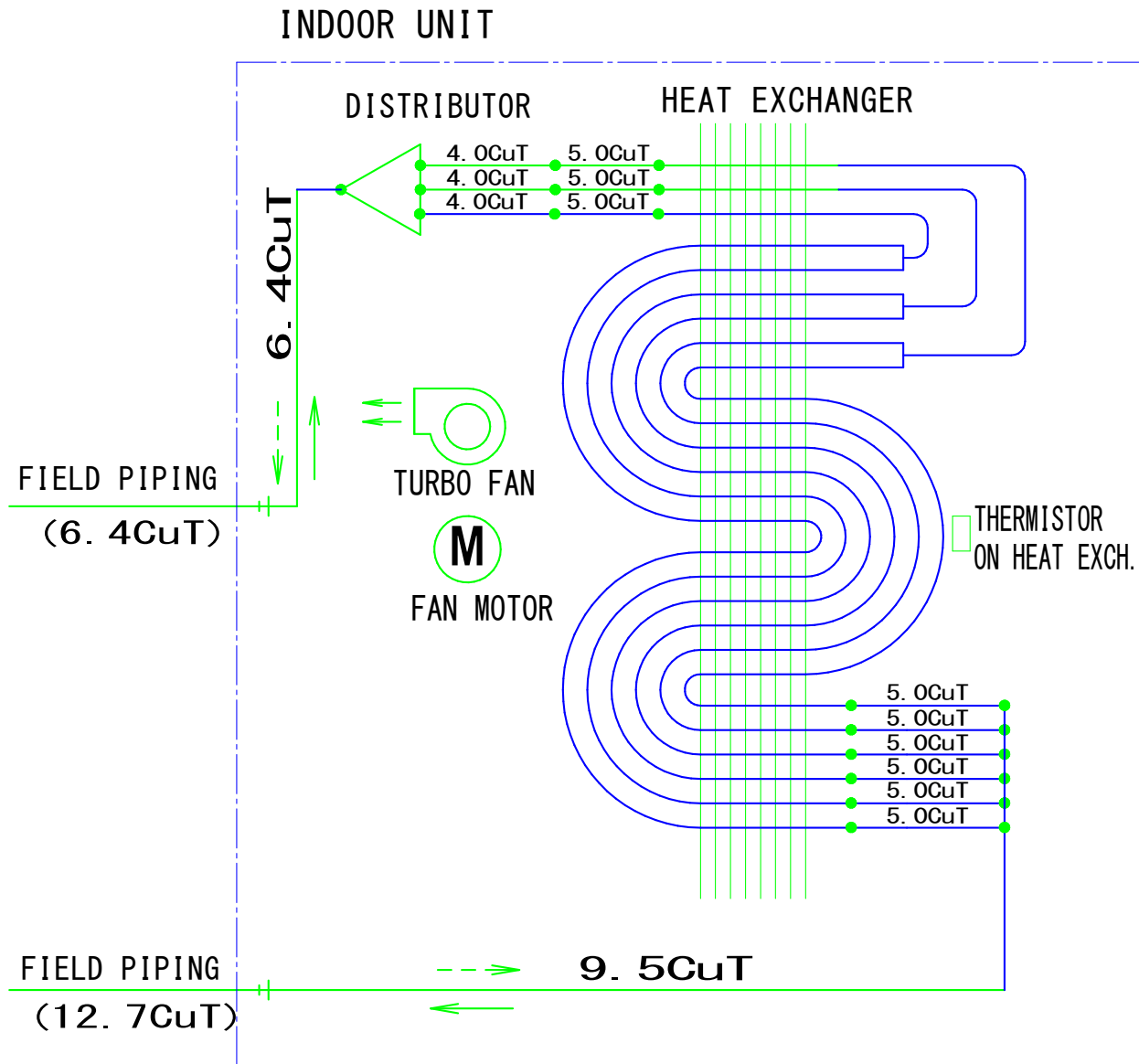
**REFRIGERANT FLOW**  
 ———➤ **COOLING**  
 - - - ➤ **HEATING**

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# 6 Piping diagrams

## 6 - 1 Piping Diagrams

### FVXM50A



### REFRIGERANT FLOW

—> COOLING

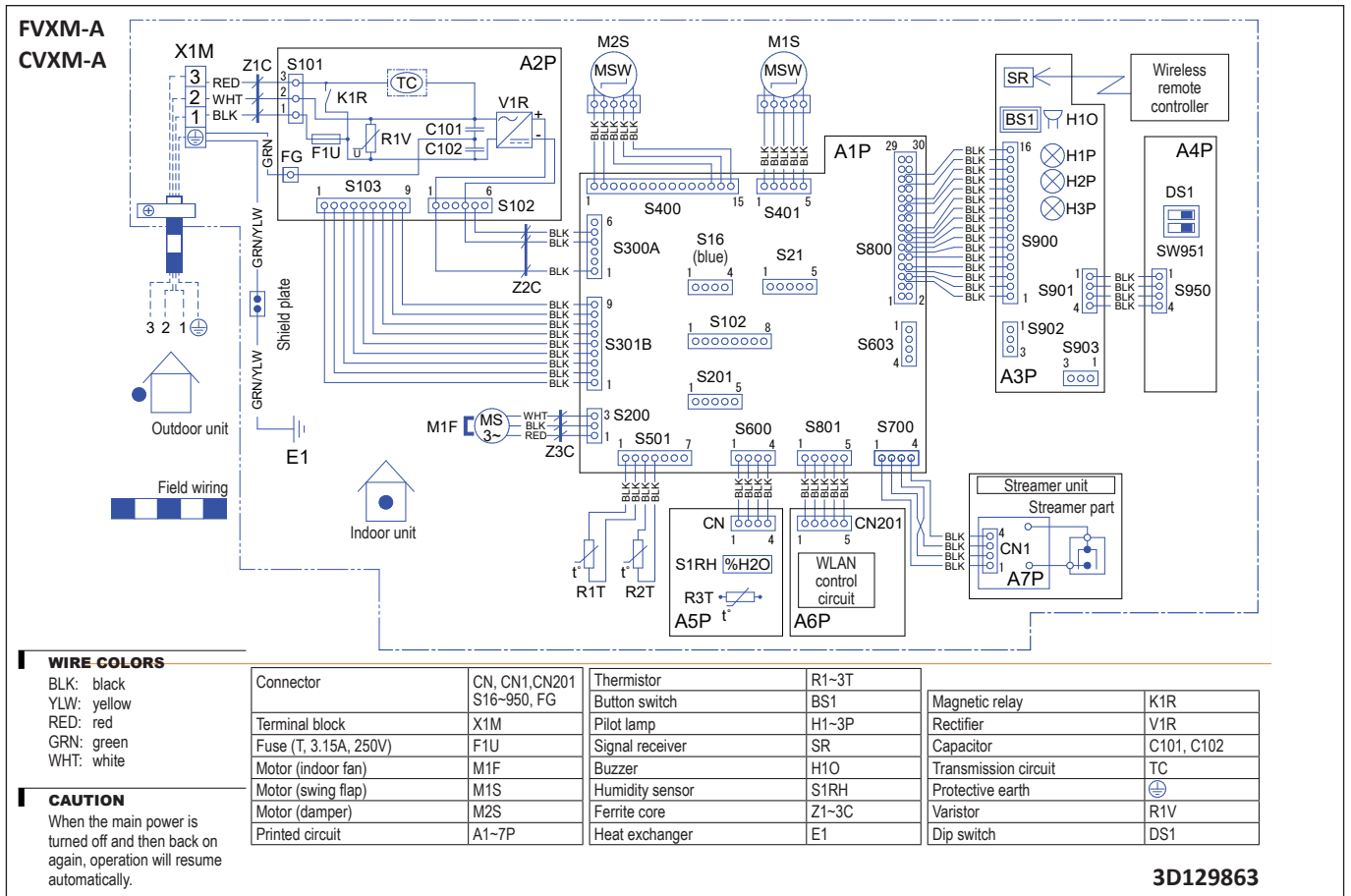
- - -> HEATING

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# 7 Wiring diagrams

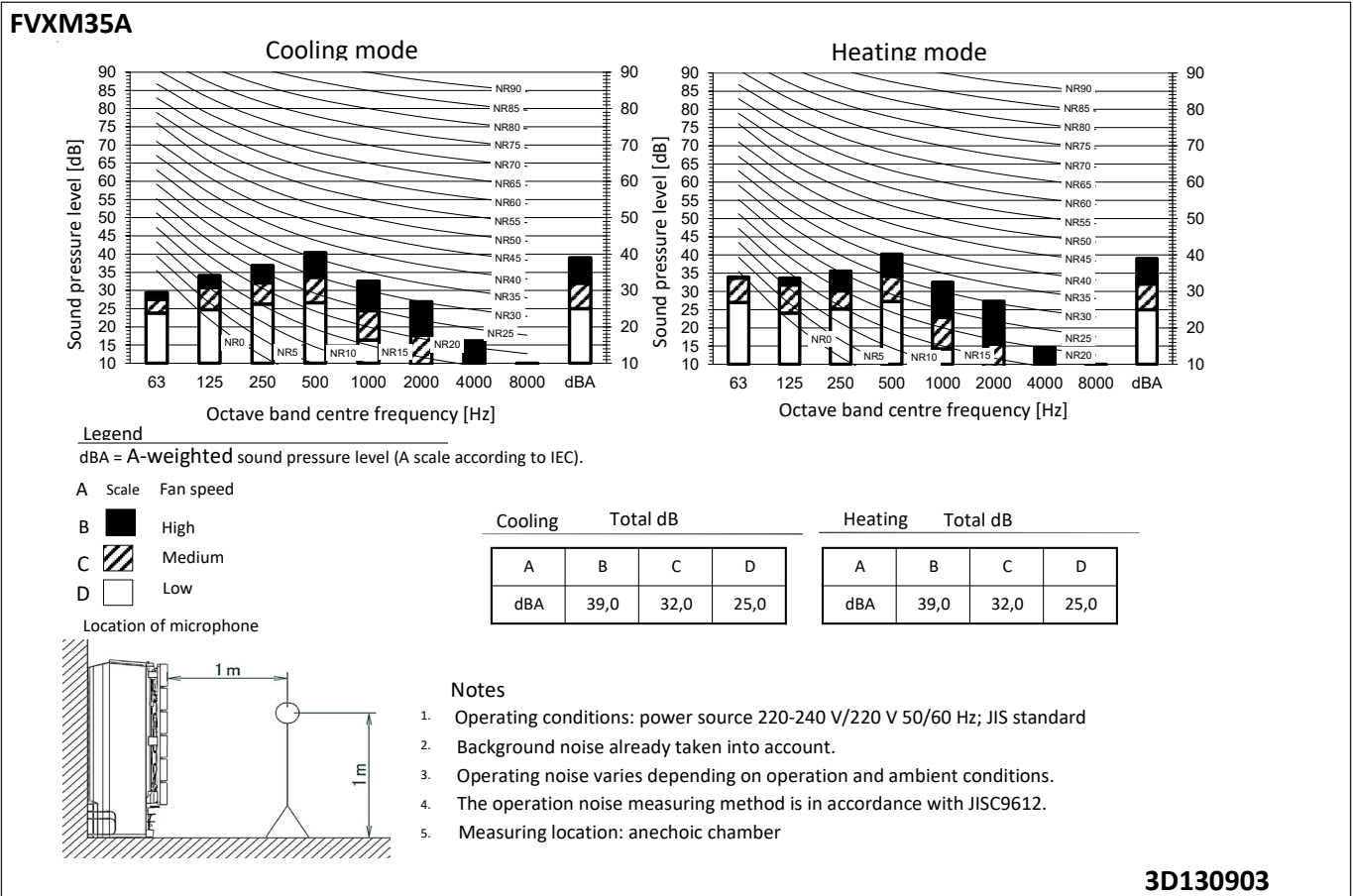
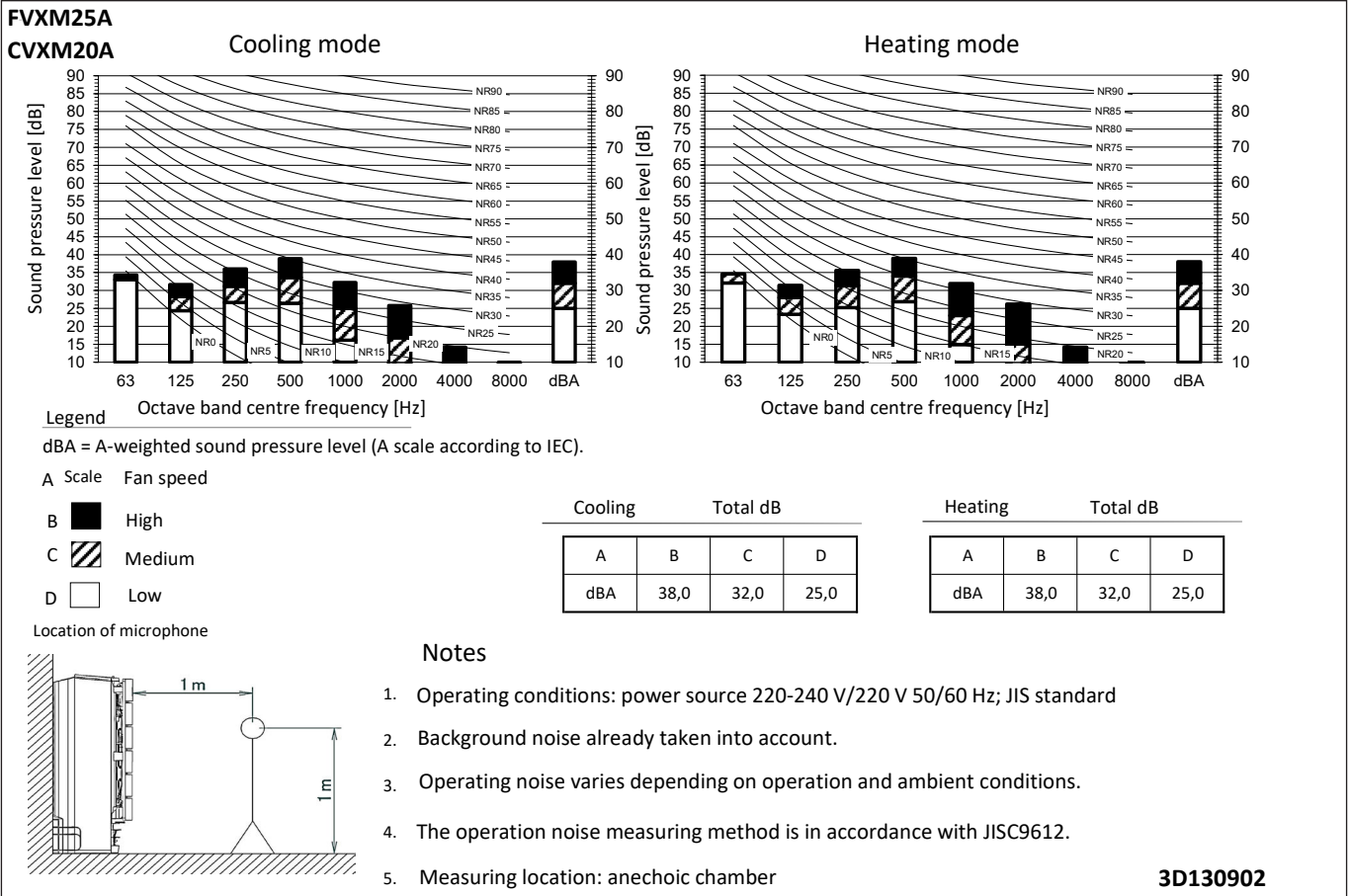
## 7 - 1 Wiring Diagrams - Single Phase

7



# 8 Sound data

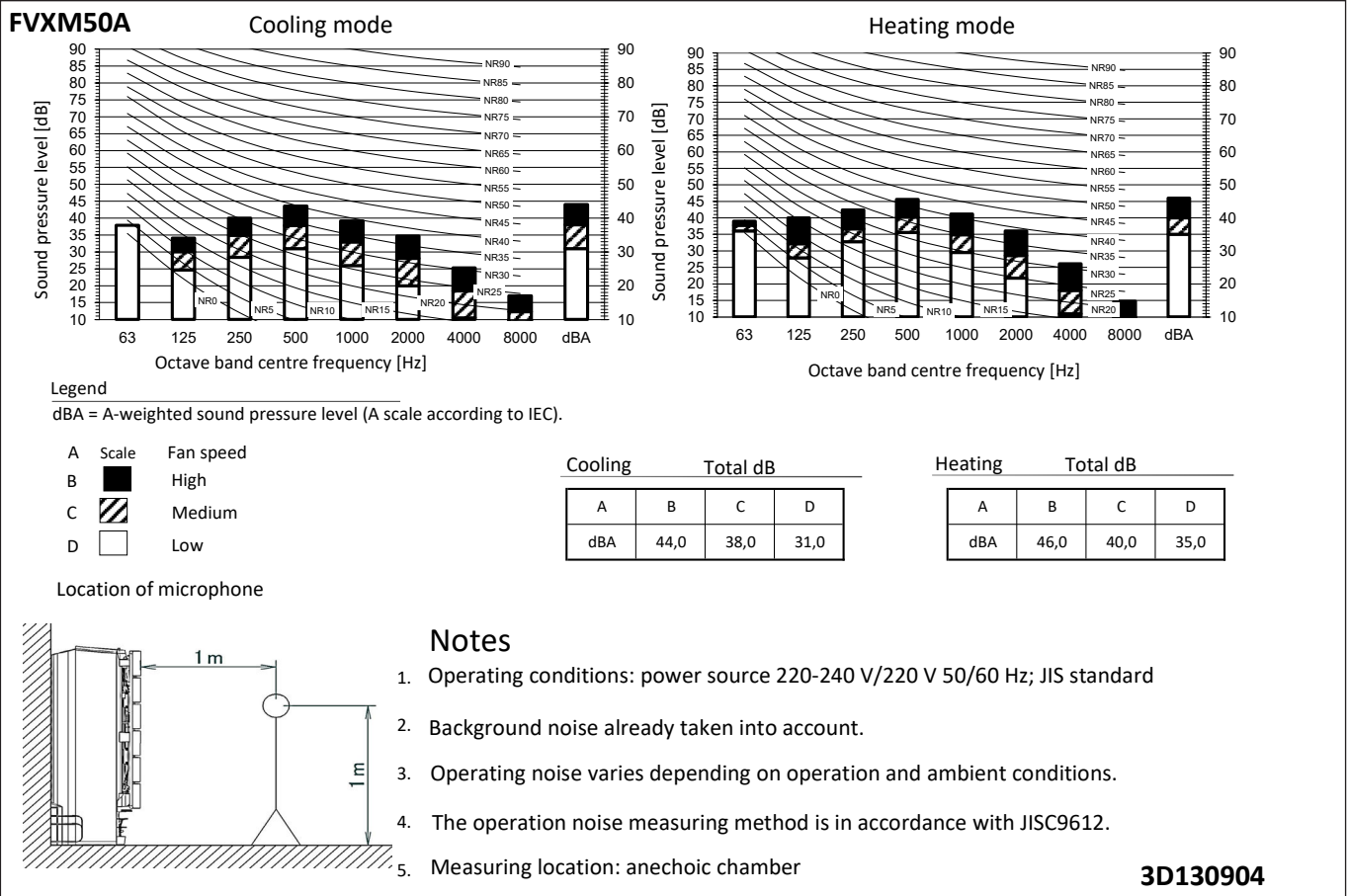
## 8 - 1 Sound Pressure Spectrum



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

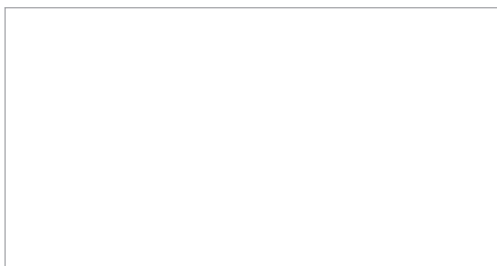
8





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