

Floor standing unit  
Air Conditioning  
Technical Data  
FVXM-B



FVXM25B2V1B  
FVXM35B2V1B  
FVXM50B2V1B



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## FVXM-B

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# 1 Features

1 - 1 FVXM-B

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

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- › Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- › Excellent contemporary design
- › Combinable with up to 5 port multi outdoor units
- › 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
- › Quiet operation: down to 19dBA sound pressure level
- › Onecta: control your indoor from any location with an app, via your local network or internet



Heat plus



Floor warming



Heat boost



Onecta app



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



Dry programme

# 1 Features

1 - 1 FVXM-B



Flash Streamer



Practically inaudible



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control

1



Auto-restart



Self diagnosis



Multi model application

## 2 Specifications

### 2 - 1 Specifications

Technical specifications					FVXM25B		FVXM35B		FVXM50B		
Power input	Cooling	Nom.	kW		0.02				0.03		
	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		17					
	Packed unit			kg		21.5					
Packing	Weight			kg		4.5					
Heat exchanger	Length				mm		540				
	Rows	Quantity				2					
	Fin pitch				mm		1.2				
	Face area				m²		0.226				
	Stages	Quantity				22					
	Passes	Quantity				6					
	Tube type				ø5 Hi-XB						
	Tube material				Copper						
	Tube diameter				mm		5				
	Fin	Type			Multi slit fin						
		Treatment			Hydrophilic						
Heat exchanger 2	Quantity				1						
	Length				mm		490				
	Rows	Quantity				1					
	Fin pitch				mm		1.2				
	Face area				m²		0.206				
	Stages	Quantity				22					
Fan	Type				Turbo fan						
	Quantity				1						
	Air flow rate	Cooling	High	m³/min	8.7		9.2		11.6		
				cfm	307		325		410		
			Medium	m³/min		7			9		
				cfm		237			307		
				m³/min		4.9			6.6		
				cfm		173			233		
Fan	Air flow rate	Cooling	Low	m³/min			4.1		5.4		
				cfm			145		191		
				cfm			173		233		
			Heating	High	m³/min	9.2		9.8		12.8	
					cfm	325		346		452	
					m³/min		7.2			10	
			Medium	cfm			254		353		
				m³/min		5.6			8.4		
				cfm		198			297		
				Low	m³/min			4.1		5.9	
					cfm			145		208	
					cfm			145		208	
Fan motor	Quantity				1						
	Model				ZWA138L50A						
	Type				DC Motor						
	Speed	Steps			5 + silent, + auto						
			Cooling	High	rpm	670		710		870	
					rpm		550		690		
					rpm		410		530		
			Heating	High	rpm			350		440	
					rpm			350		440	
		rpm					350		440		
			Heating	High	rpm	710		750		950	
					rpm		570		760		
					rpm		460		650		
				Medium	rpm		360		480		
rpm						360		480			
rpm					360		480				
Output	Rated			W		37					
Sound power level	Cooling			dBA		52		53		61	
	Heating			dBA		52		53		62	
Sound pressure level	Cooling	High			dBA		38		39		44
					dBA			32		38	
					dBA			25		31	
					dBA			20		27	
	Heating	High			dBA		38		39		46
					dBA			32		40	
					dBA			25		35	
					dBA			19		29	
Refrigerant	Type			R-32							
	GWP			675							

## 2 Specifications

### 2 - 1 Specifications

Technical specifications				FVXM25B	FVXM35B	FVXM50B
Piping connections	Liquid	OD	mm	6.4		
Piping connections	Gas	OD	mm	9.5		12.7
	Drain			VP20 (I.D. 20/O.D. 26)		
	Heat insulation			Both liquid and gas pipes		
Air filter	Type			Removable / washable		
	Quantity			1		
Air direction control				Right, Left, Horizontal, Downward		
Temperature control				Microcomputer control		
Control systems	Infrared remote control			ARC466A90		
	Wired remote control			BRC073A1		

Standard accessories: FVXM25B2V1B;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: AAA dry-cell batteries;Quantity: 2;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

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

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Standard accessories: FVXM35B2V1B;Quantity: 1;

Standard accessories: FVXM50B2V1B;Quantity: 1;

Electrical specifications				FVXM25B	FVXM35B	FVXM50B
Power supply	Name			V1		
	Phase			1~		
	Frequency					

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

## CVXM-B

[illegible]

1. Standard accessory
2. This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
3. 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.
4. Obsolete option.
5. Production of this option finished, replaced by new option KRP413BB1S.

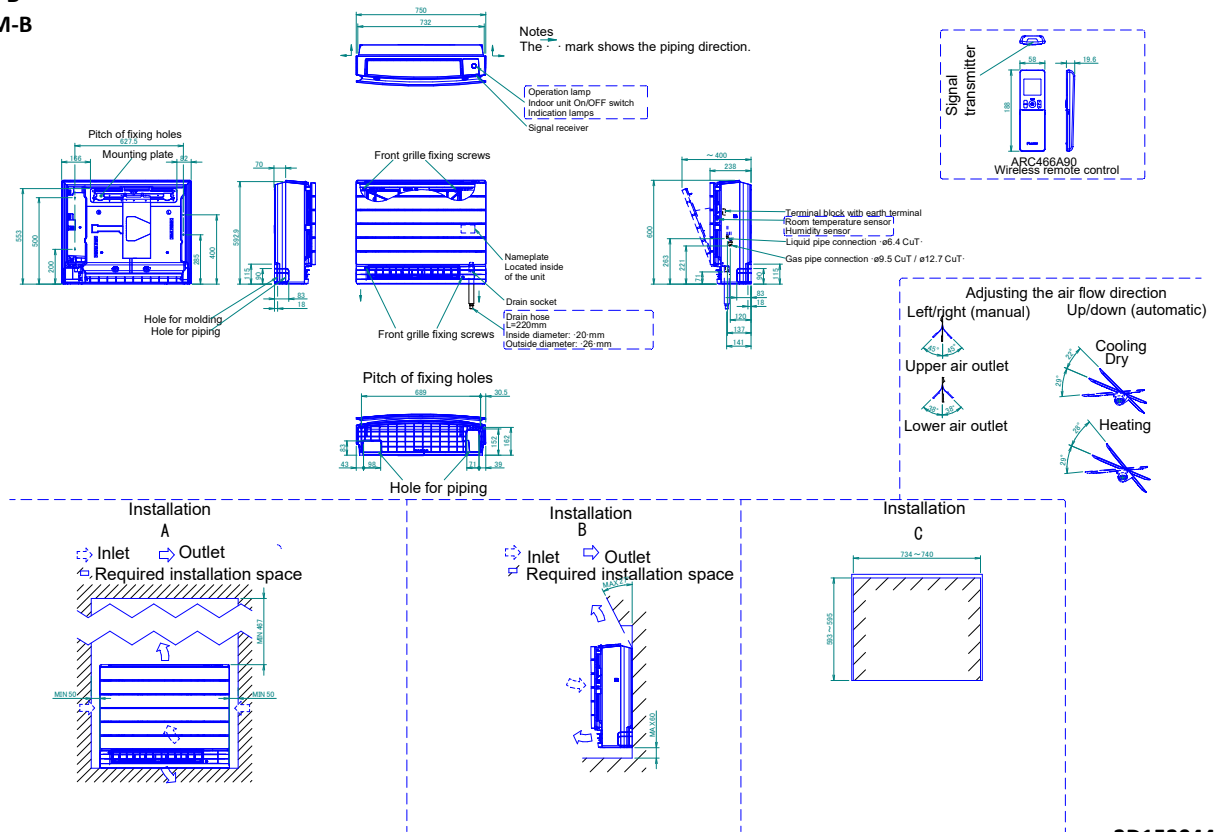
**3D120481L**



## 4 Dimensional drawings

### 4 - 1 Dimensional Drawings

CVXM-B  
FVXM-B  
FVXTM-B

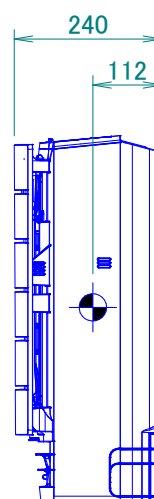
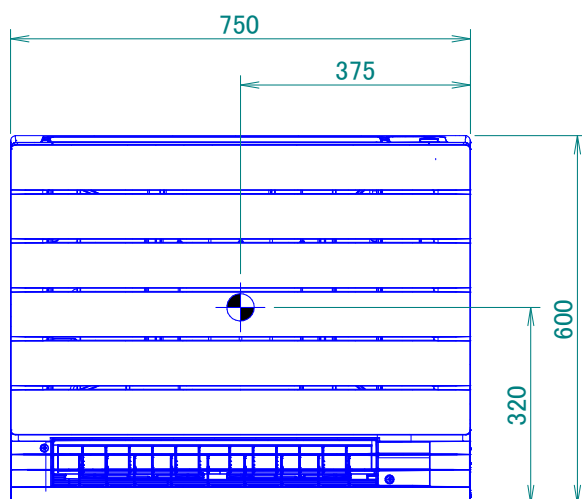


## 5 Centre of gravity

### 5 - 1 Centre of Gravity

CVXM-B  
FVXM-B  
FVXTM-B

5



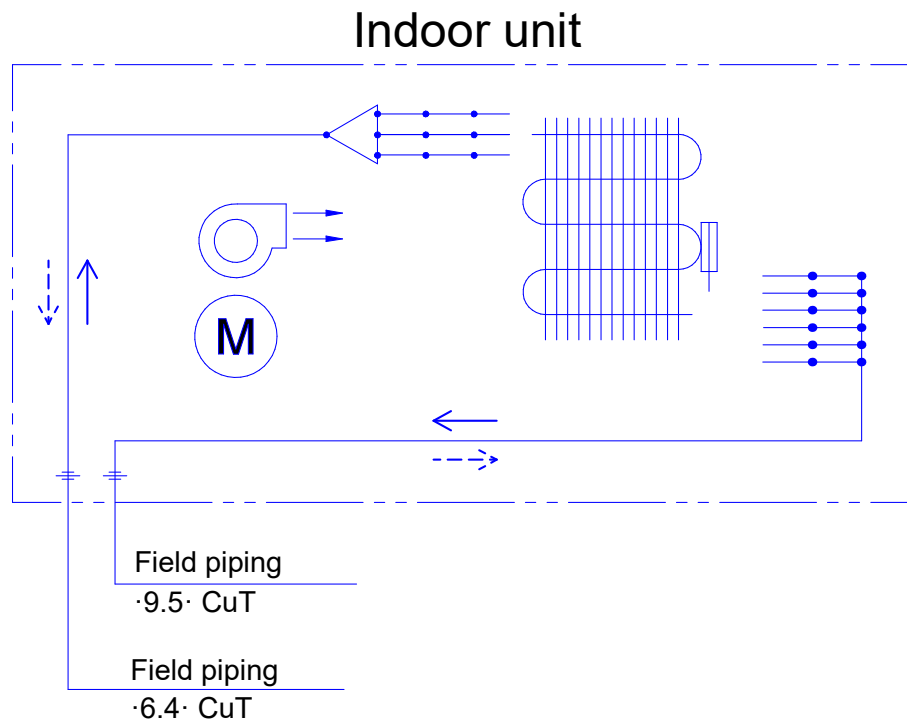
4D130776

## 6 Piping diagrams

### 6 - 1 Piping Diagrams

CVXM-B  
FVXM25B  
FVXM35B  
FVXTM-B

6



#### Legend

- Fan motor
- Thermistor
- Turbo fan
- Distributor
- Heat exchanger
- Screw connection

#### Refrigerant flow

- Cooling
- Heating

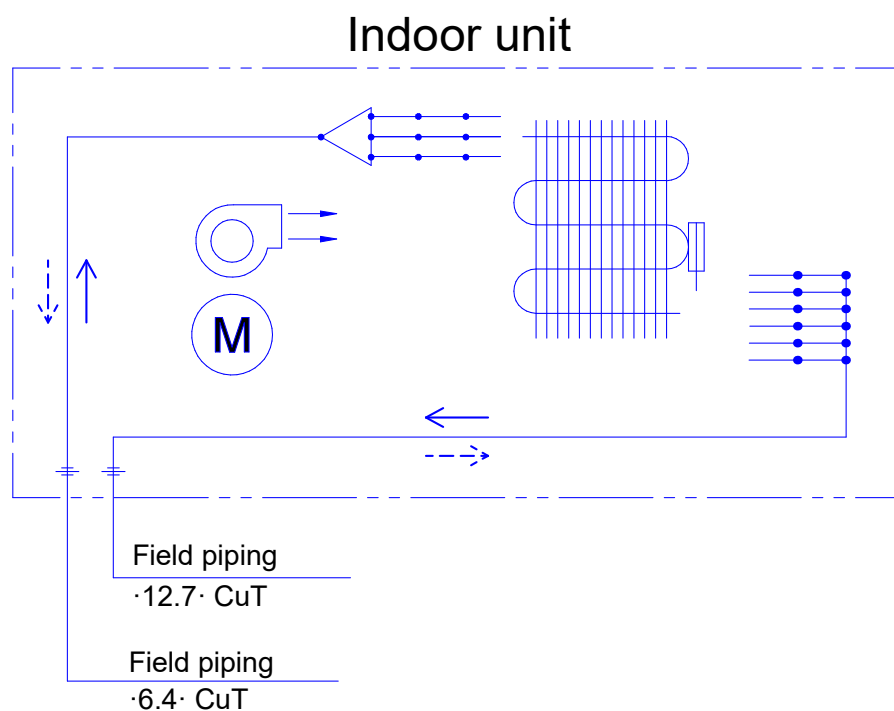
4D152056

# 6 Piping diagrams

## 6 - 1 Piping Diagrams

FVXM50B

6



### Legend

- Fan motor
- Thermistor
- Turbo fan
- Distributor
- Heat exchanger
- Screw connection

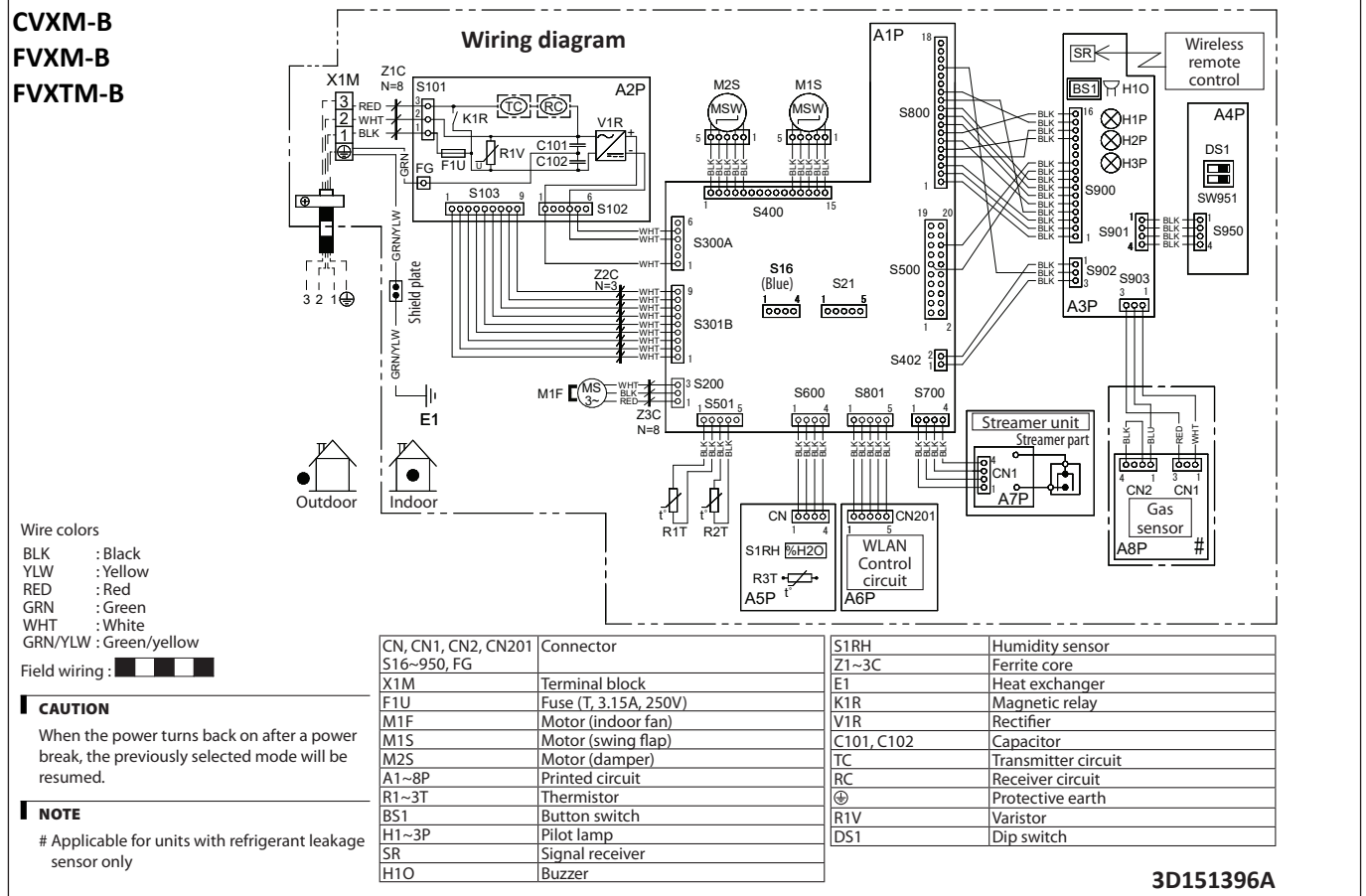
### Refrigerant flow

- Cooling
- Heating

4D152055

# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Three Phase



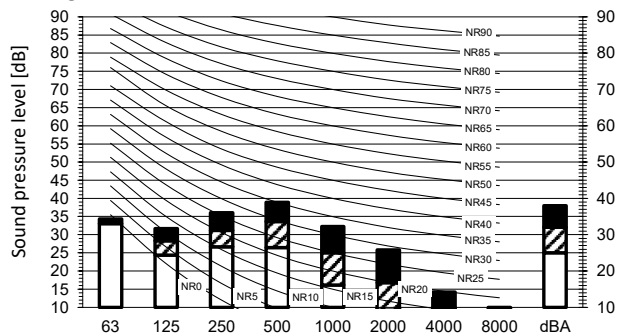
# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

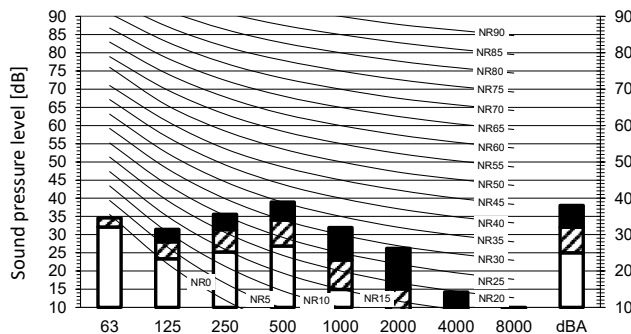
8

### CVXM-B FVXM25B

#### Cooling mode



#### Heating mode



Legend Octave band centre frequency [Hz]

dBA = A-weighted sound pressure level (A scale according to IEC).

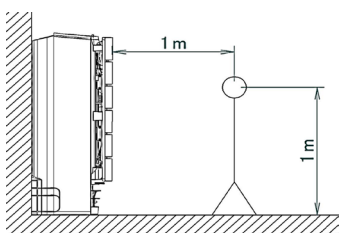
A Scale Fan speed

B High

C Medium

D Low

Location of microphone



#### Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D130902B

#### Cooling Total dB

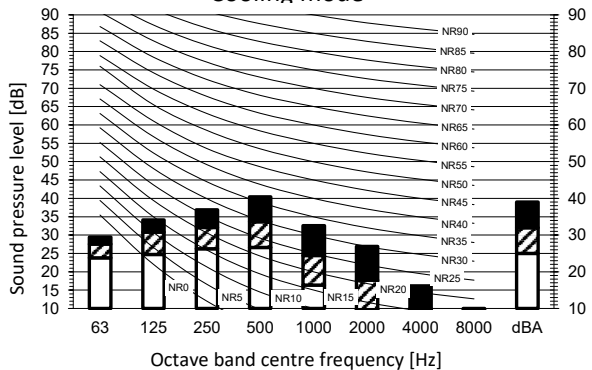
A	B	C	D
dBA	38,0	32,0	25,0

#### Heating Total dB

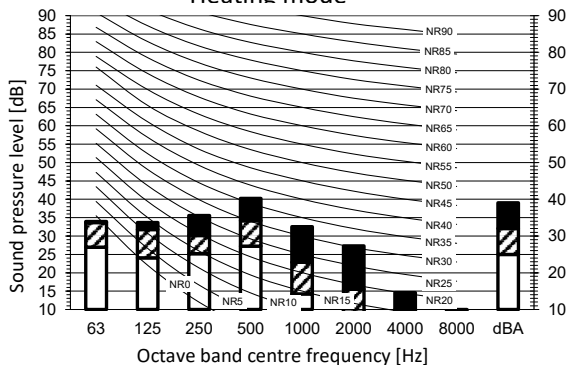
A	B	C	D
dBA	38,0	32,0	25,0

### FVXM35B

#### Cooling mode



#### Heating mode



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

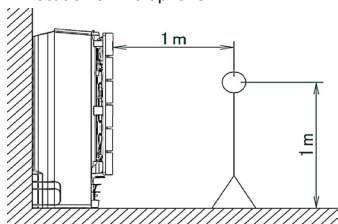
A Scale Fan speed

B High

C Medium

D Low

Location of microphone



#### Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D130903B

#### Cooling Total dB

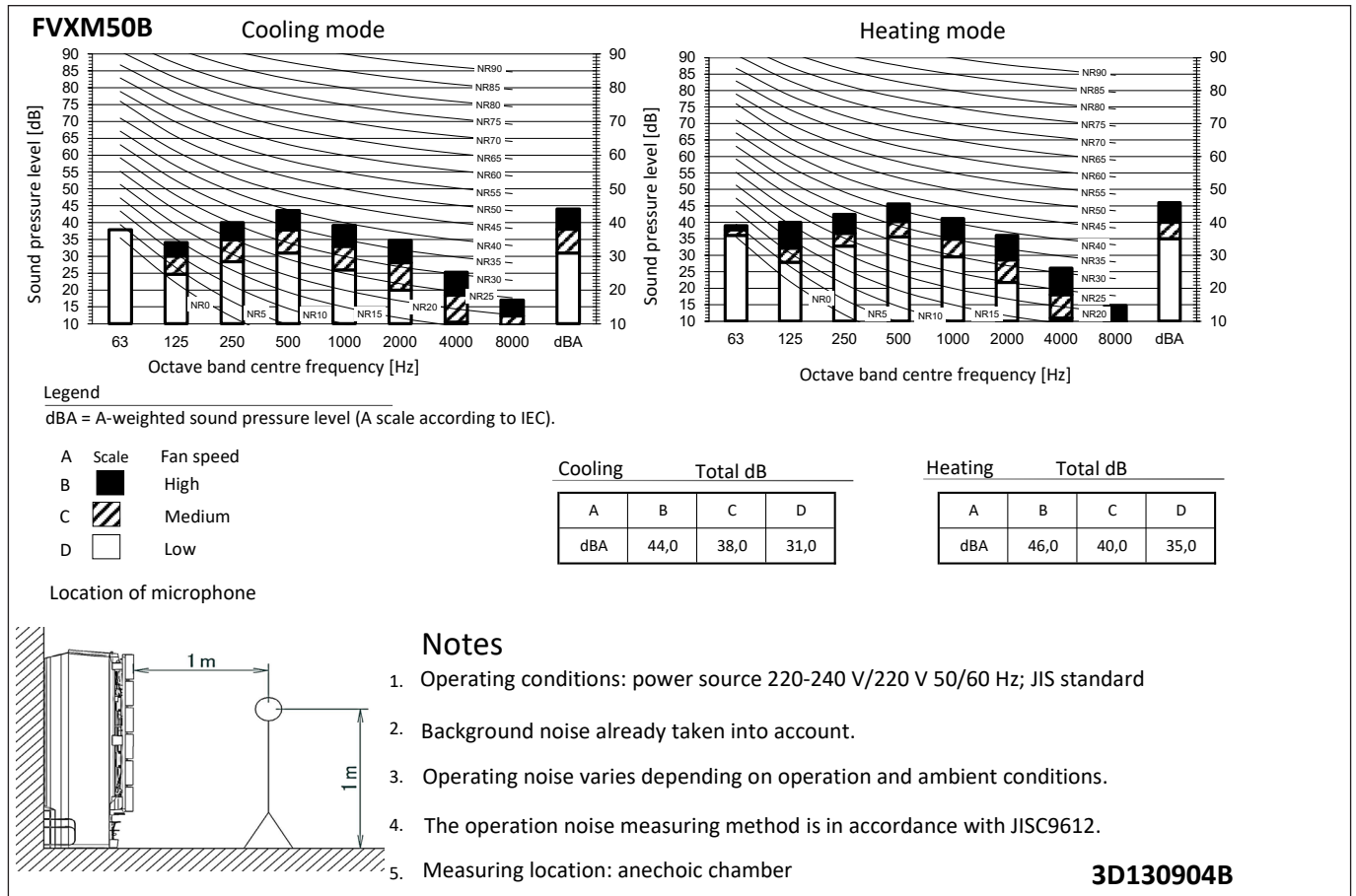
A	B	C	D
dBA	39,0	32,0	25,0

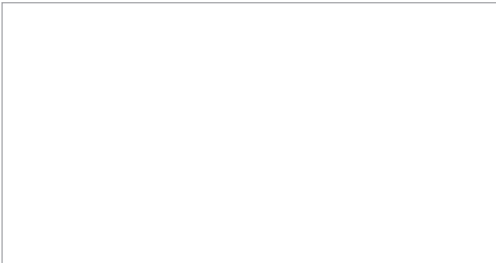
#### Heating Total dB

A	B	C	D
dBA	39,0	32,0	25,0

# 8 Sound data

## 8 - 1 Sound Pressure Spectrum





EEDEN25

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