

Air Conditioning Technical Data

FTXM-M



> FTXM20M2V1B
> FTXM25M2V1B
> FTXM35M2V1B
> FTXM42M2V1B
> FTXM50M2V1B
> FTXM60M2V1B

> FTXM71M2V1B

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FTXM-M

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1 Features

Attractive, wall mounted design with perfect indoor air quality

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Fresher, cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area intelligent eye: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



Practically inaudible



Econo mode



2 area intelligent eye



Movement sensor



Energy saving during standby mode



Night set mode



Fan only



Comfort mode



Powerful mode



Auto cooling-heating changeover



Indoor unit silent operation



Outdoor unit silent operation



3-D air flow



Vertical auto swing



Horizontal auto swing



Auto fan speed



Fan speed steps



Dry programme



Flash Streamer



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Online controller via app



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2-1 Technical Specifications					FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M		
Power input - 50Hz	Cooling		Nom.		kW		0.030		0.035		0.030	0.032	0.054
	Heating		Nom.		kW		0.025		0.035		0.032	0.035	0.060
Casing	Colour				White								
Dimensions	Unit	Height/Width/Depth	mm		294/811/272					300/1,040/295			
	Packed unit	Height/Width/Depth	mm		350/865/375					397/1,115/377			
Weight	Unit		kg		10					14.5			
	Packed unit		kg		12					17			
Packing	Weight		kg		2					2.5			
Heat exchanger	Length		mm		610					820			
	Rows	Quantity			2								
	Fin pitch		mm		1.4								
	Stages	Quantity			18								
	Tube type		ø5 Hi-XB										
	Fin	Type			ML fin (Multi louver)								
Heat exchanger 2	Length		mm		600					810			
	Rows	Quantity			1								
	Fin pitch		mm		1.4								
	Stages	Quantity			4					8 / 4			
Air filter	Type				Removable / washable / mildew proof								
Fan	Type				Cross flow fan								
	Air flow rate	Cooling	High	m³/min	11.1		12.6		16.5	17.1	17.6		
				cfm	392		445		583	604	621		
			Low	m³/min	6.0	6.2	6.4	7.1	11.6	12.0	12.5		
				cfm	212	219	226	251	410	424	440		
			Silent operation	m³/min	4.4		4.6		10.3	10.7	11.1		
				cfm	155		162		364	378	391		
		Nom.	cfm	280	286	293	335	502	516	530			
			m³/min	7.9	8.1	8.3	9.5	14.2	14.6	15.0			
			Heating	High	m³/min	10.4			13.0	17.1	17.7	18.4	
					cfm	367			459	604	625	648	
				Low	m³/min	6.5	6.8	7.1		12.2	12.6	13.0	
					cfm	230	240	251		431	445	461	
		Silent operation	m³/min	5.3					10.7	11.2	11.9		
			cfm	187					378	396	419		
	Nom.	cfm	307		318	367	516	551	572				
		m³/min	8.7		9.0	10.4	14.6	15.6	16.2				
Fan motor	Model				MM6K11S20VA					MM9E17S21VA			
	Speed	Steps			5 + silent, + auto								
		Cooling	High/ Medium/Low/ Silent operation	rpm	1,070/800/640/520	1,070/820/660/520	1,190/840/680/530	1,190/940/730/530	1,030/910/780/710	1,060/930/800/730	1,080/950/820/750		
					Heating	High/ Medium/Low/ Silent operation	rpm	1,000/860/690/590	1,000/860/710/590	1,000/900/730/590	1,220/1,000/730/590	1,060/930/810/730	1,090/980/830/760
	Output	High	W		22					46		52	
Sound power level	Cooling		dBA	57		60		59	60				
	Heating		dBA	54			60		58	59	61		
Sound pressure level	Cooling	High/Low/Silent operation	dBA	41/25/19		45/29/19	45/30/21	44/36/32	46/37/34.000	47/38/35			
	Heating	High/Low/Silent operation	dBA	39/26/20	39/27/20	39/28/20	45/29/21	43/34/31	45/36/33	46/37/34			

2 Specifications

2-1 Technical Specifications			FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M
Control systems	Infrared remote control		ARC466A33						
	Wired remote control		BRC944B2 / BRC073A1				BRC944B2 / BRC073		
Refrigerant	Type		R-32						
Piping connections	Liquid	OD	6.35						
	Gas	OD	9.5			12.7			15.9
	Drain		18						
	Heat insulation		Both liquid and gas pipes						
Temperature control			Microcomputer control						
Air direction control			Right, Left, Horizontal, Downward						

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Infrared remote control; Quantity : 1;

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

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 1;

Standard Accessories : Indoor unit fixing screws; Quantity : 2;

Standard Accessories : AA dry-cell batteries; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

2-2 Electrical Specifications				FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M
Power supply	Name			V1						
	Phase			1~						
	Frequency		Hz	50						
	Voltage		V	220-240						
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.22		0.25		0.20	0.22	0.37
		Heating	A	0.17			0.25	0.22	0.25	0.42

Notes

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

Contains fluorinated greenhouse gases

3 Options

3 - 1 Options

FTXM-M

Legend

- ① Without connection cable
② Three-dimensional knitted fabric (24x115 + 42x255mm) + activated charcoal net

Notes

1. R32 models

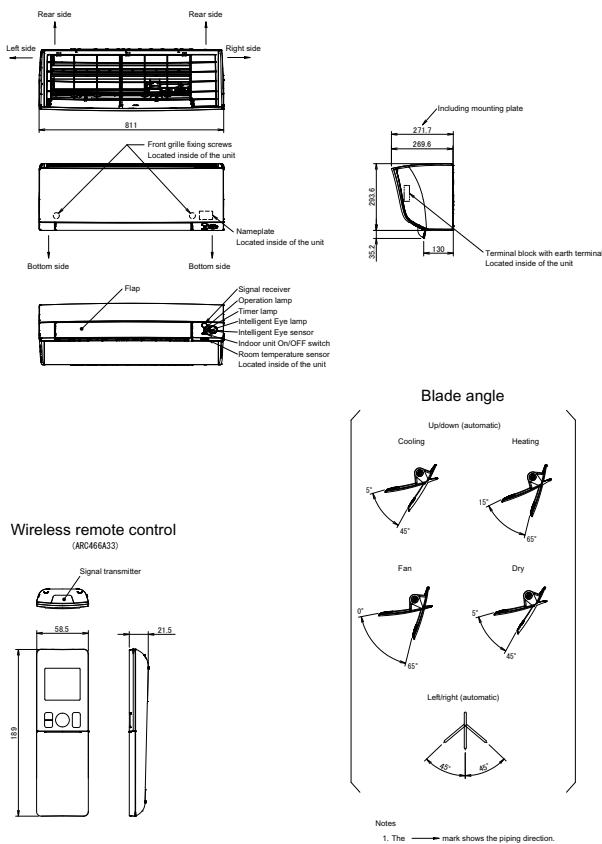
Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXM20M2V1B	20	New Mainstream	D/Cz
Wired remote control	BRC944B2		FTXM25M2V1B	25	New Mainstream	D/Cz
Extension cord for wired remote control (3m)	BRCW901A03		FTXM35M2V1B	35	New Mainstream	D/Cz
Extension cord for wired remote control (5m)	BRCW901A08		FTXM42M2V1B	42	New Mainstream	D/Cz
Interface adaptor for wired remote control	KRC72A		FTXM50M2V1B	50	New Mainstream	D/Cz
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB15		FTXM60M2V1B	60	New Mainstream	D/Cz
Wi-Fi adaptor for smartphones	BRP069A41		FTXM71M2V1B	71	New Mainstream	D/Cz
Interface adaptor for DIII-NET	KRP9288B25	①				
Central remote control	DCS302CA51					
Unified ON/OFF controller	DCS301BA51					
Schedule timer	DST301BA51					
Titanium apatite photocatalytic air-purifying filter without frame	BAF970-A	②				

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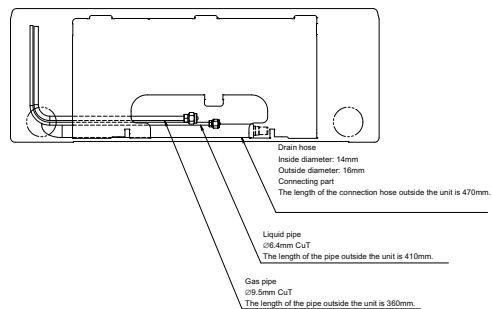
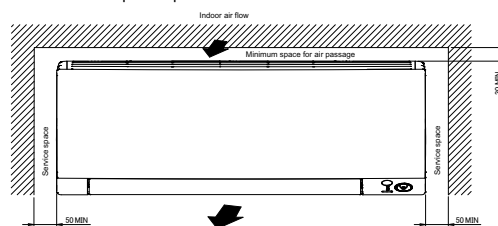
4 Dimensional drawings

4 - 1 Dimensional Drawings

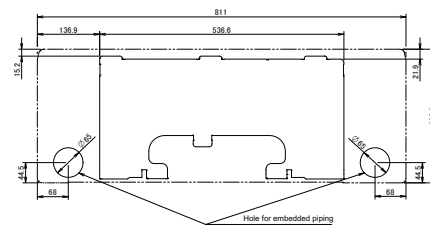
FTXM20-42M



Required space for service and ventilation



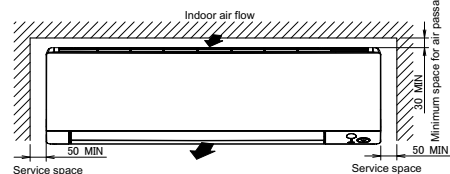
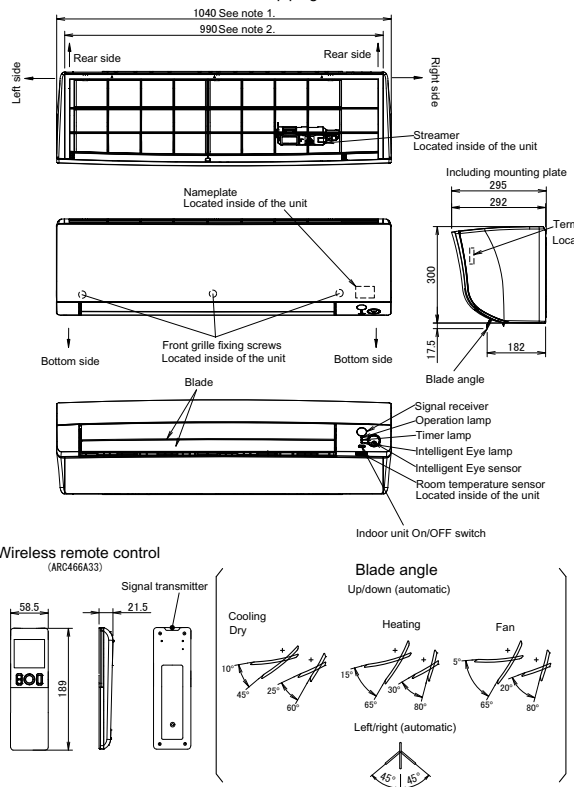
Standard location of holes in the wall



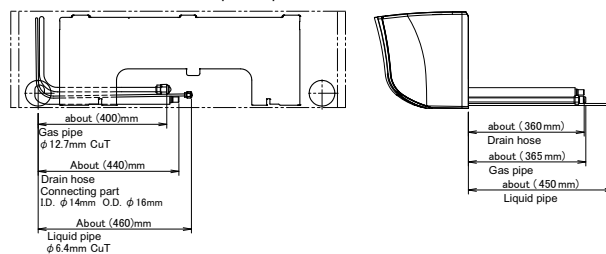
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FTXM50-60M

The → mark shows the piping direction.



Required space for service and ventilation



Standard location of holes in the wall

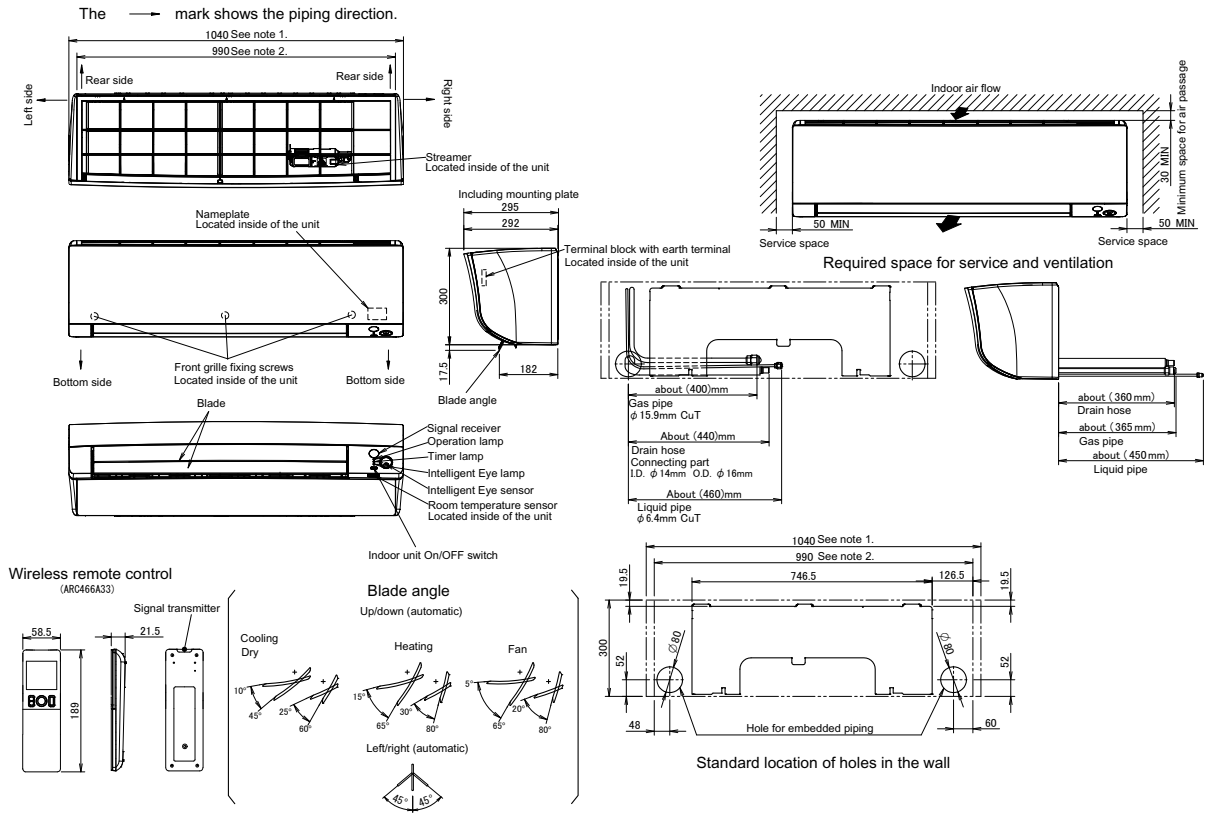


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4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXM71M



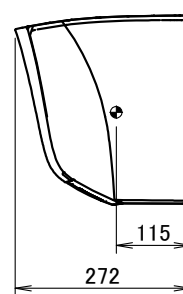
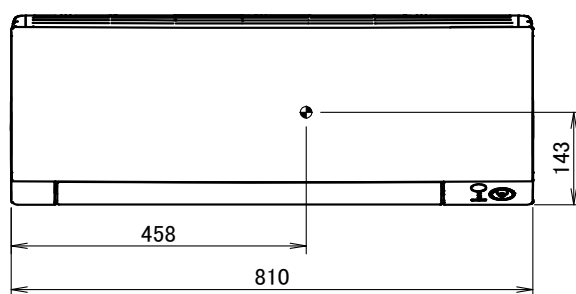
- Notes
1. Total width of unit
 2. Width of unit against the wall
 3. Editable data for this drawing are available in the GDE (E-BOM) system.

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5 Centre of gravity

5 - 1 Centre of Gravity

FTXM20-42M

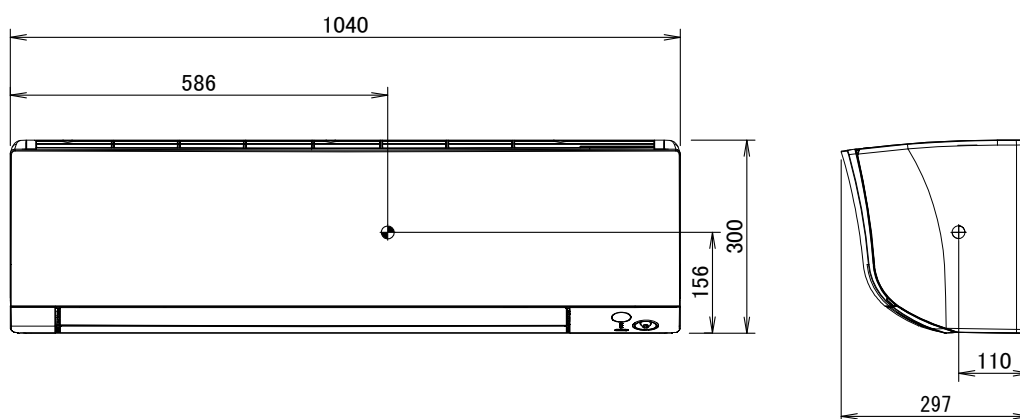


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXM50-71M



4D101334

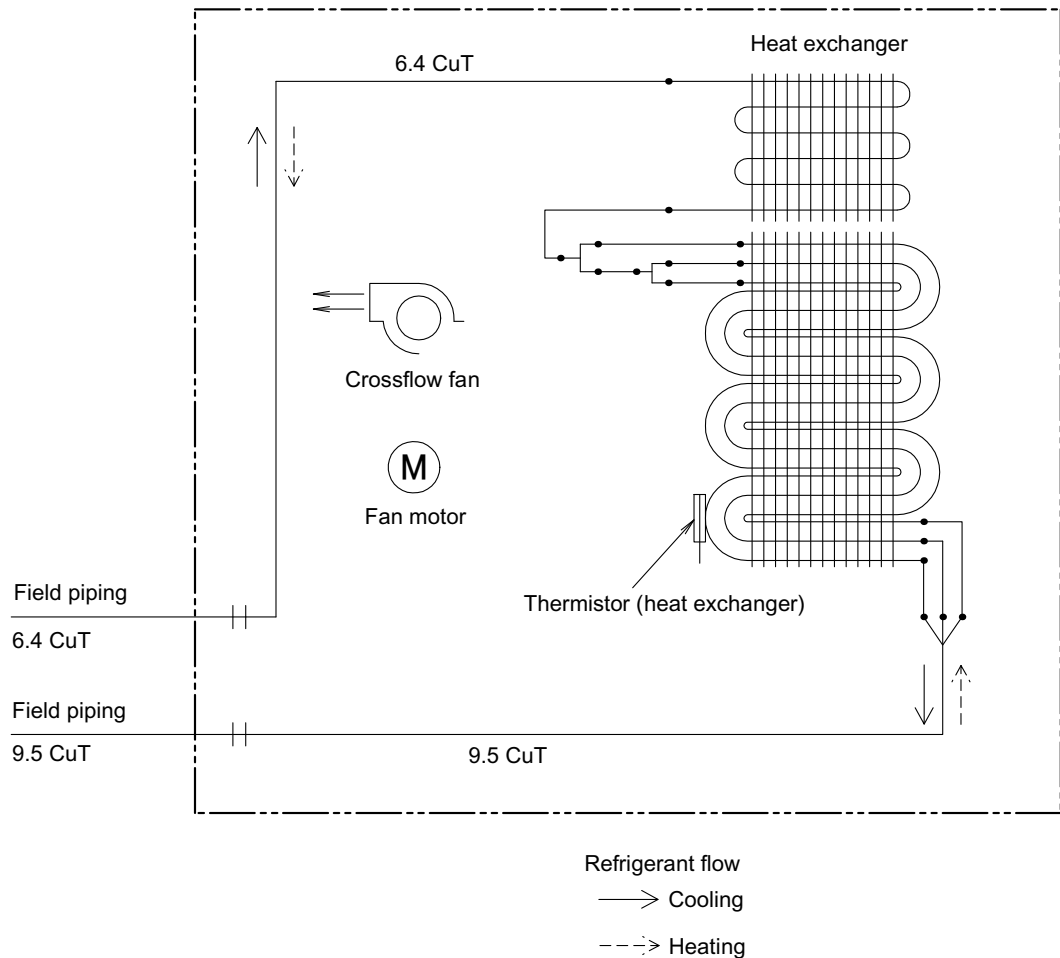
6 Piping diagrams

6 - 1 Piping Diagrams

FTXM20-35M

6

Indoor unit

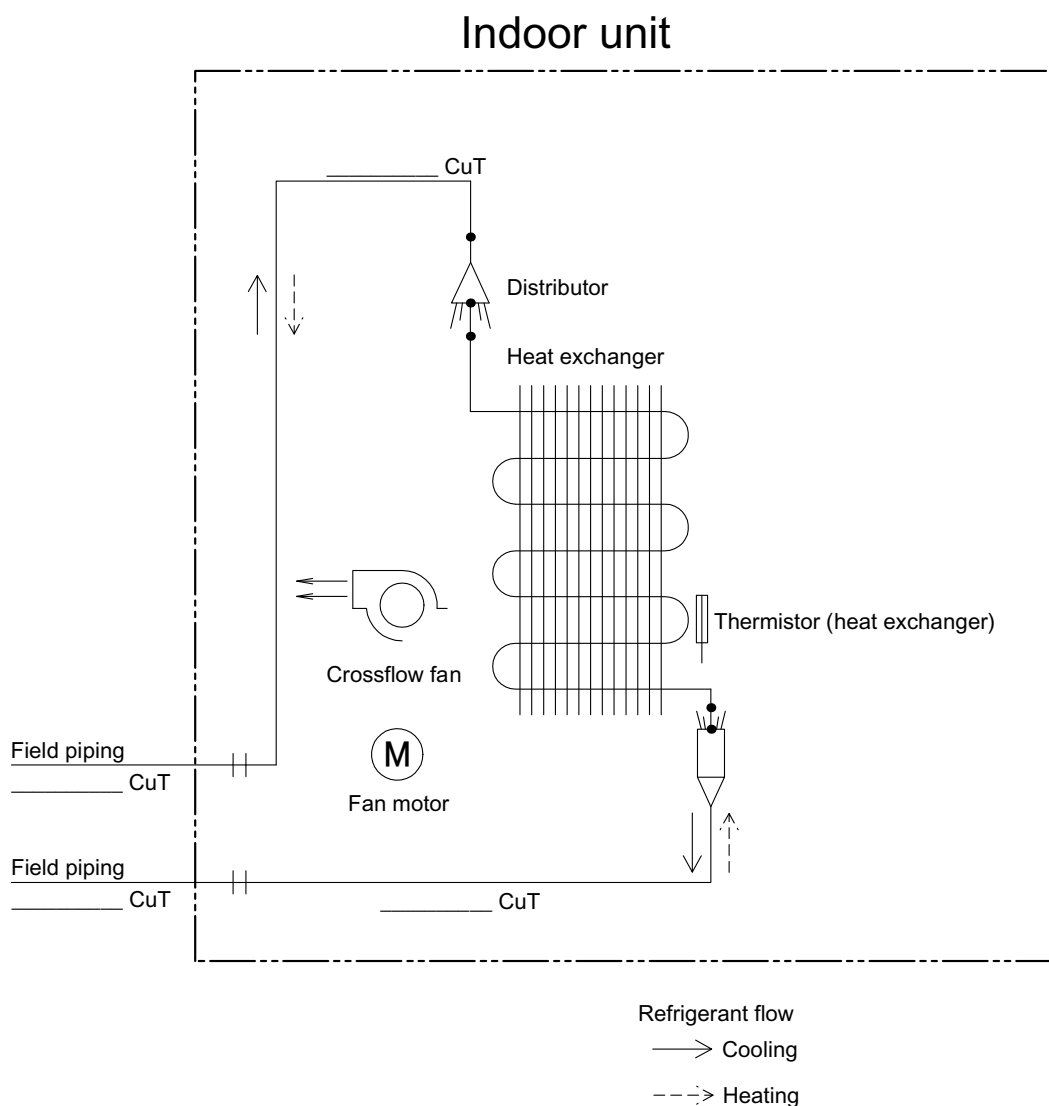


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXM50-60M

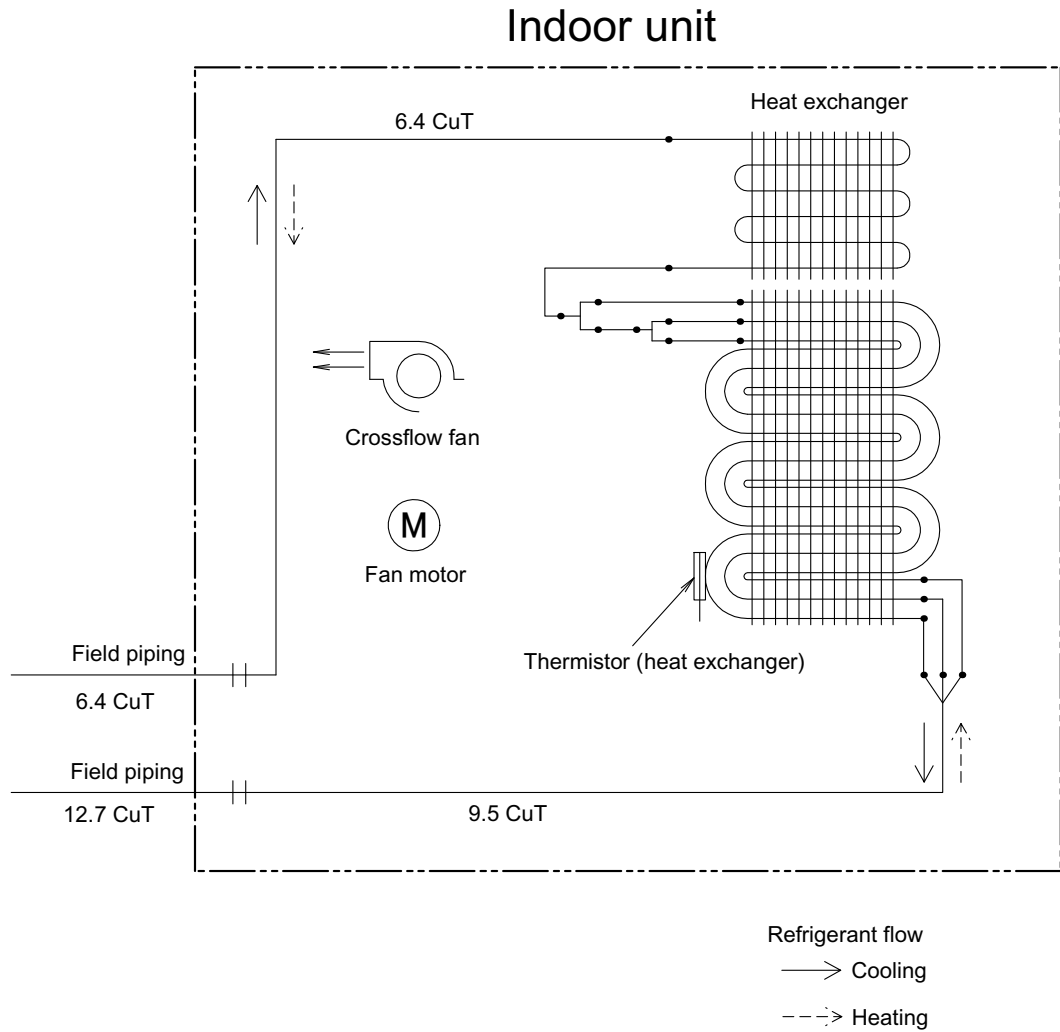


4D101332B

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM42M



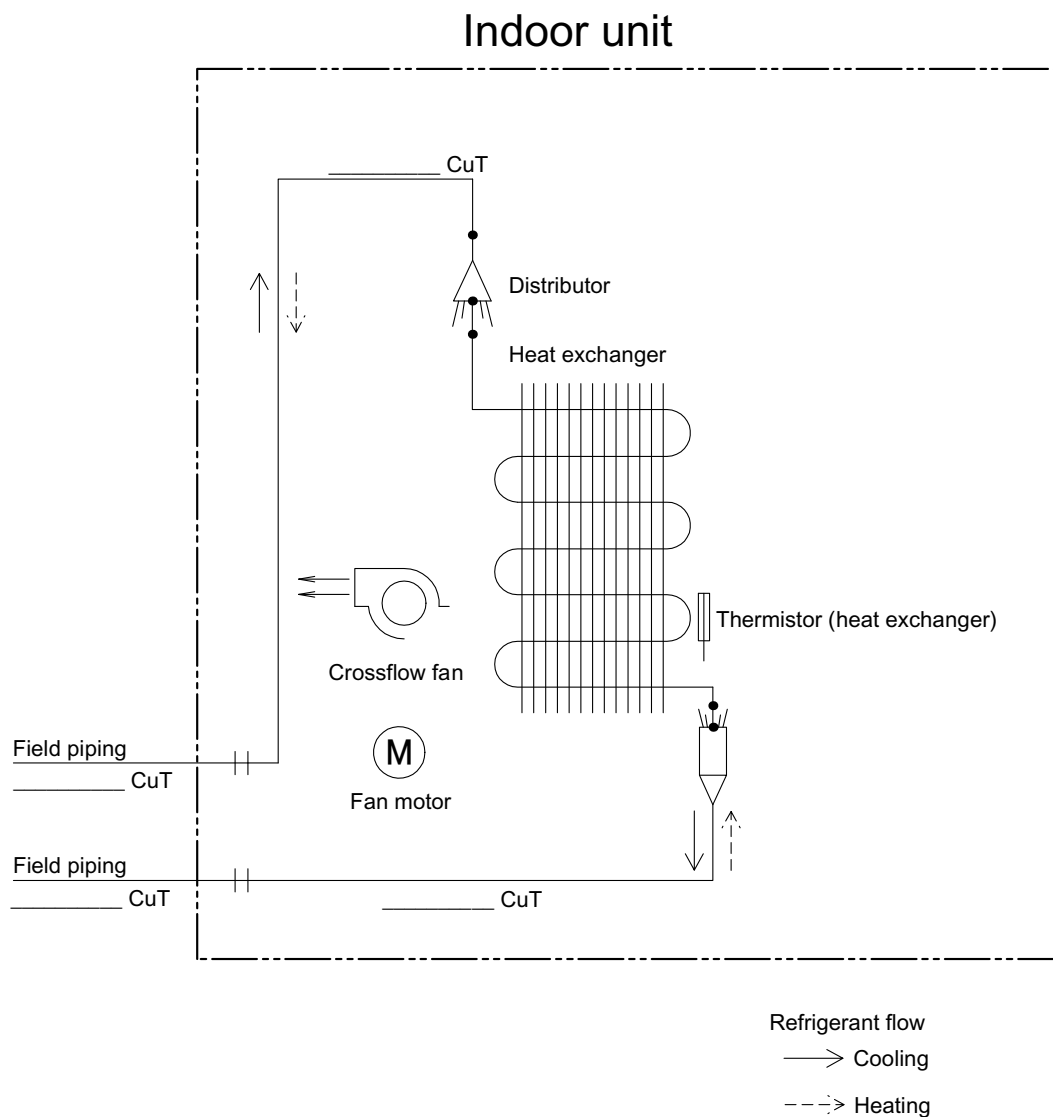
4D101820

6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXM71M

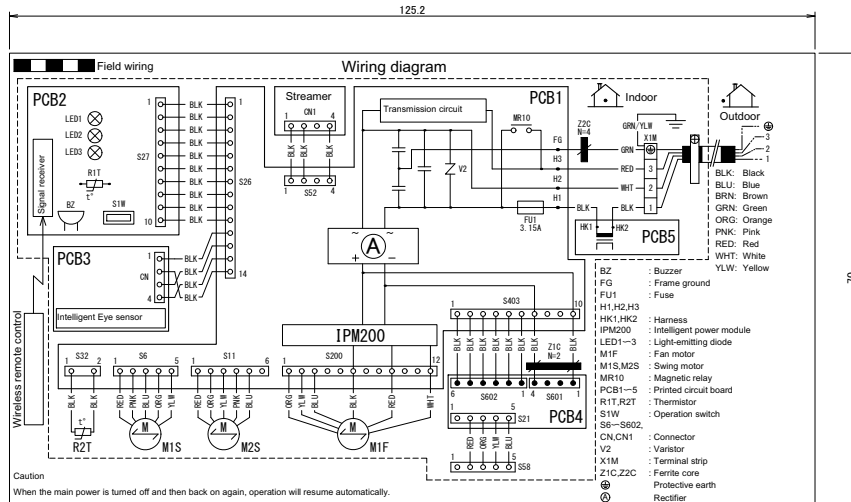


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXM20-42M

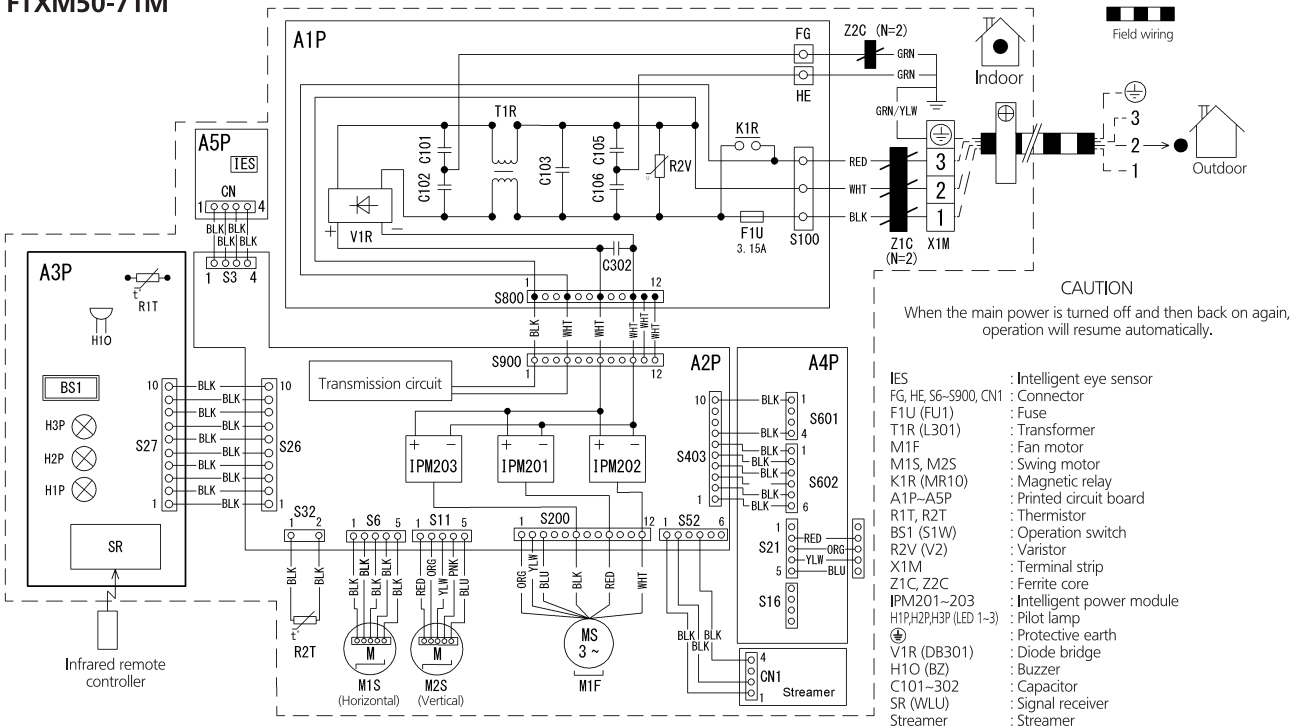


Notes

- 1) Size: length 70 X width 120.
- 2) Refer to purchasing specification AS303002, unless otherwise specified.

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FTXM50-71M



Notes

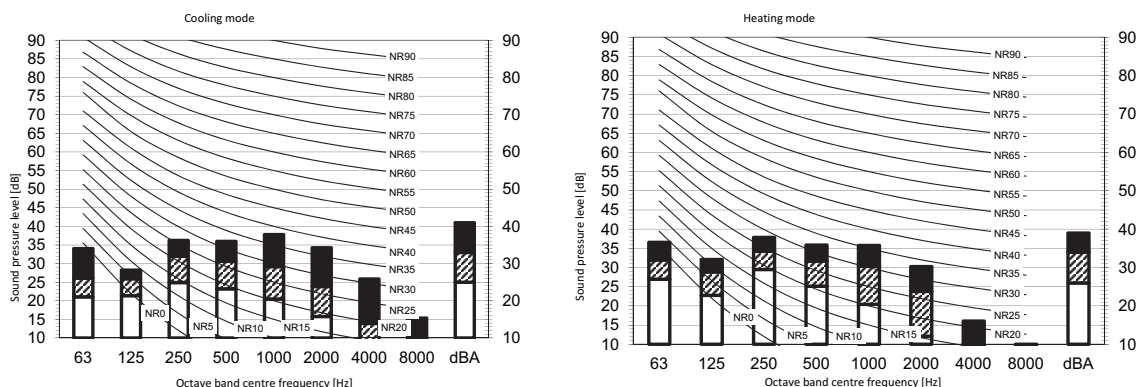
- 1 Size: length 65 x width 110
- 2 Refer to purchasing specification AS303002, unless otherwise specified.
- 3 PNK: Pink, GRN: Green, YLW: Yellow, ORG: Orange, BLK: Black, RED: Red, BLU: Blue, WHT: White

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM20M



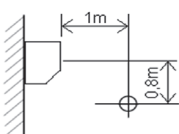
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



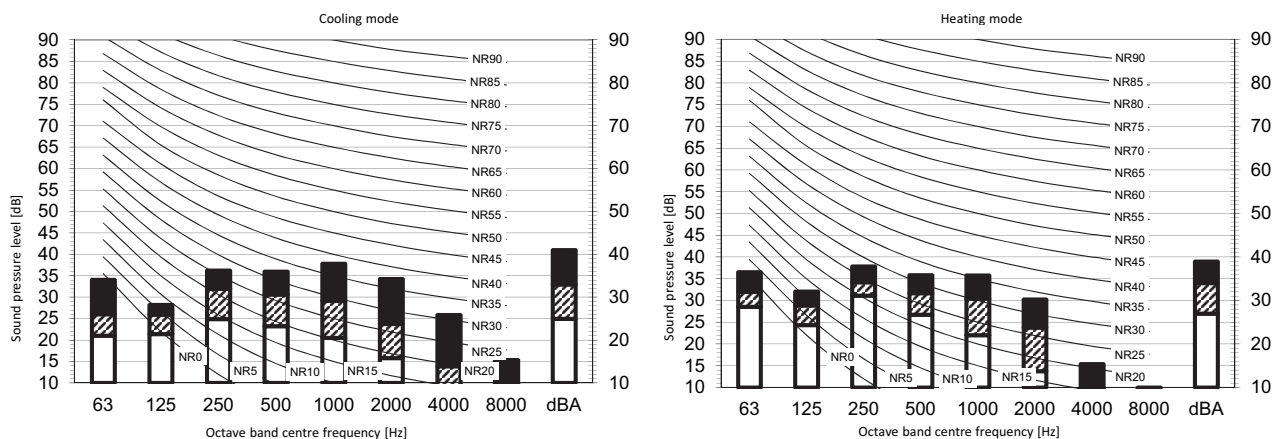
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	26

Notes

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

3D101042A

FTXM25M



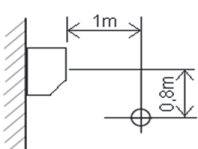
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	27

Notes

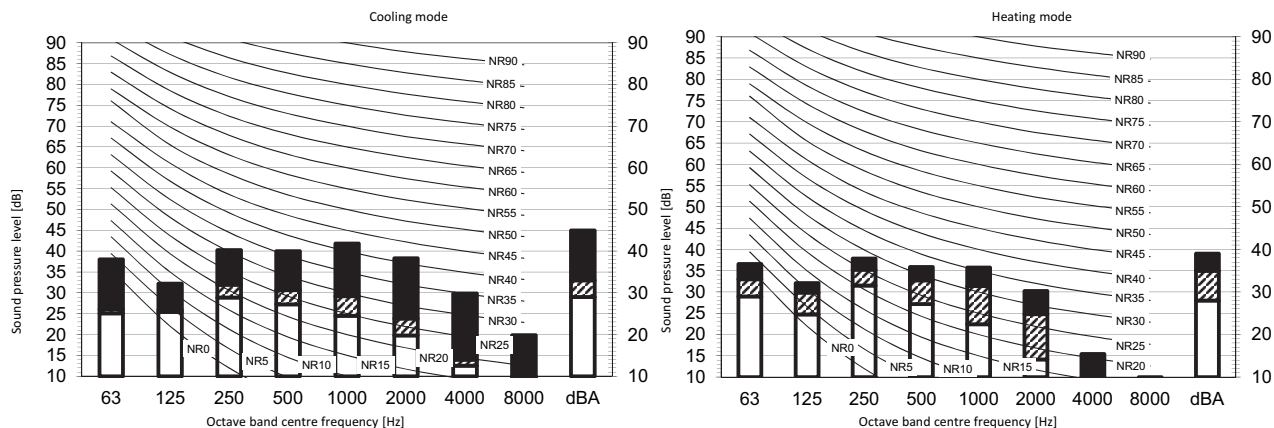
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM35M



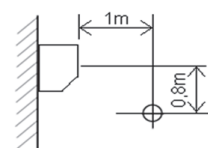
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



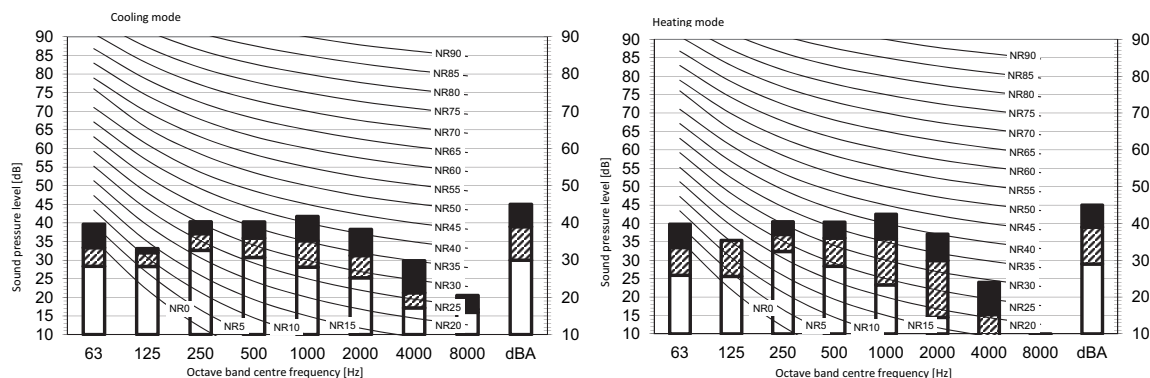
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	45	33	29	dBA	39	35	28

Notes

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

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FTXM42M



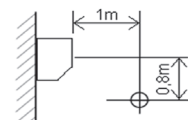
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	45	39	30	dBA	45	39	29

Notes

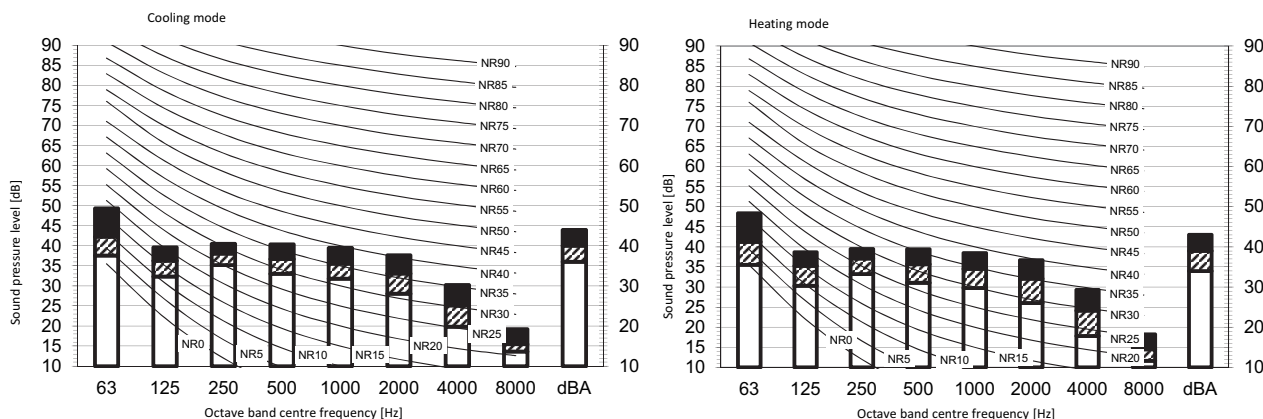
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101045A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM50M



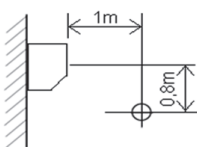
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



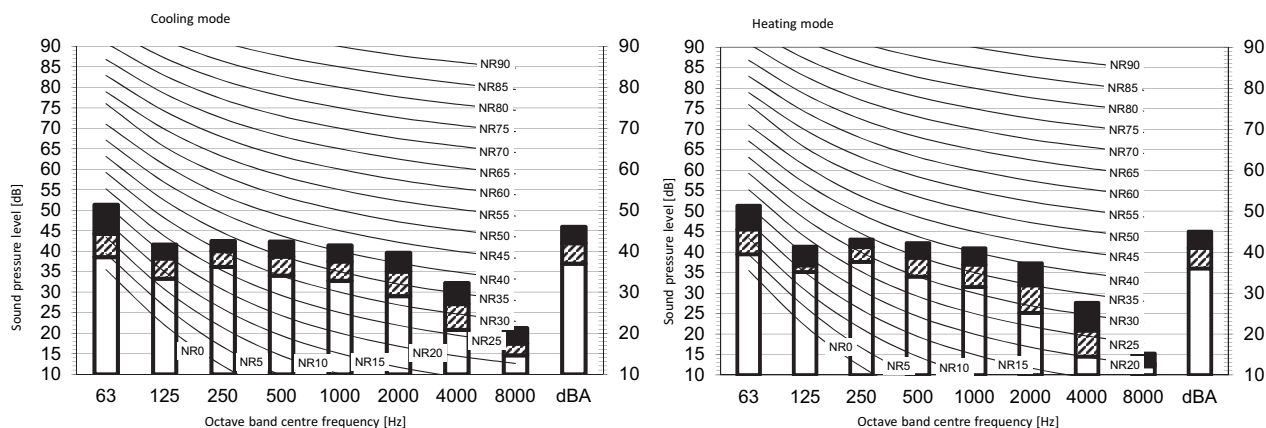
Cooling					Heating				
Total dB					Total dB				
A	B	C	D		A	B	C	D	
dBA	44	40	36		dBA	43	39	34	

Notes

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

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FTXM60M



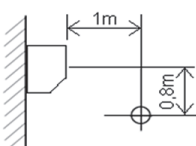
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



Cooling					Heating				
Total dB					Total dB				
A	B	C	D		A	B	C	D	
dBA	46	42	37		dBA	45	41	36	

Notes

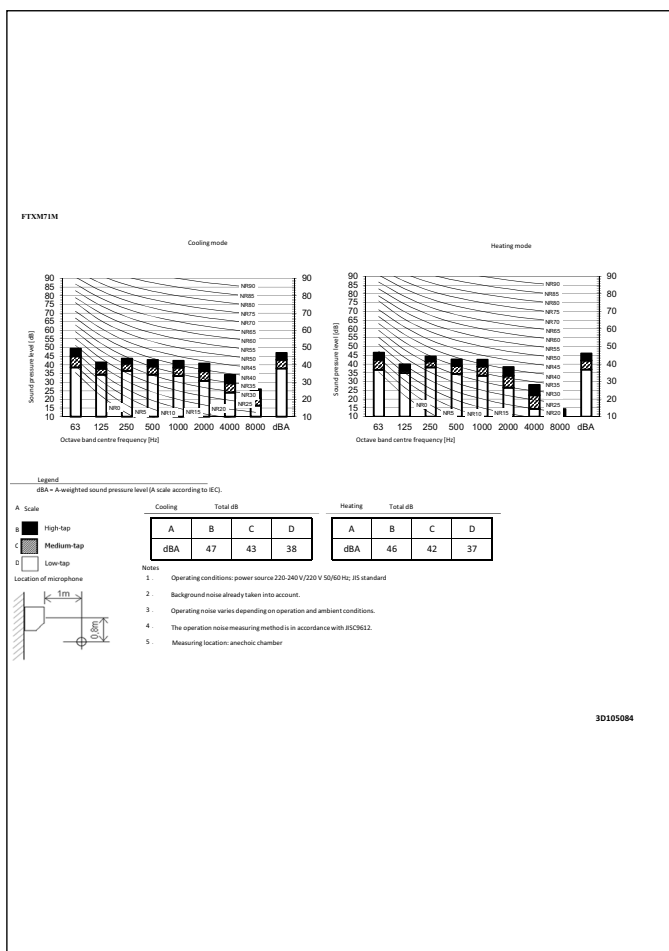
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D102204A

8 Sound data

8 - 1 Sound Pressure Spectrum

8



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10/16



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