



Split

Air Conditioning Technical Data

FTXM-M



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

TABLE OF CONTENTS

FTXM-M

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Options	5
4	Dimensional drawings	6
5	Centre of gravity	7
6	Piping diagrams	9
7	Wiring diagrams	12
	Wiring Diagrams - Single Phase	12
8	Sound data	13
	Sound Pressure Spectrum	13

1 Features

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating thanks to its up-to-date technology and built-in intelligence.
- 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.
- 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
- 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

1



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



Whisper quiet



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	
Power input - 50Hz	Cooling	Nom.	kW	0.030			0.035		0.032	
	Heating	Nom.	kW	0.025			0.035	0.0380	0.035	
Casing	Colour			White						
Dimensions	Unit	Height/Width/Depth	mm	294/811/272				300/1,040/295		
	Packed unit	Height/Width/Depth	mm	375/865/350				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		16.0	17.1
				cfm	392		445		585	604
			Low	m³/min	6.0	6.2	6.4	7.1	11.1	12.0
				cfm	212	219	226	251	392	424
			Silent operation	m³/min	4.4		4.6		10.1	10.7
				cfm	155		162		357	378
		Nom.	cfm	280	286	293	335	484	516	
			m³/min	7.9	8.1	8.3	9.5	13.7	14.6	
		Heating	High	m³/min	10.4			13.0	16.7	17.7
				cfm	367			459	590	625
			Low	m³/min	6.5	6.8	7.1		12.2	12.6
				cfm	230	240	251		431	445
	Silent operation		m³/min	5.3				10.9	11.2	
			cfm	187				385	396	
	Nom.	cfm	307		318	367	519	551		
m³/min		8.7		9.0	10.4	14.7	15.6			
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	1,050/930/790/720	1,060/930/800/730
	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	1,080/950/820/740	1,090/980/830/760	
Output	Rated		W	22				46		
Sound power level	Cooling		dBA	57			60			
	Heating		dBA	54			60	59		
Sound pressure level	Cooling	High/Low/Silent operation	dBA	41/25/19		45/29/19	45/30/21	46/37/34	46/37/34.000	
	Heating	High/Low/Silent operation	dBA	39/26/20	39/27/20	39/28/20	45/29/21	45/36/33		

2 Specifications

2

2-1 Technical Specifications			FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M
Control systems	Infrared remote control		ARC466A33					
	Wired remote control		BRC944B2 / BRC073A1				BRC944B2 / BRC073	
Piping connections	Liquid	OD	6.35					
	Gas	OD	9.5			12.7		
	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;

2-2 Electrical Specifications				FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M
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		0.24	0.22
		Heating	A	0.17			0.25	0.26	0.25

Notes

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

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

Applicable models	Class	Casing	Factory
FTXM20M2V1B	20	New Mainstream	D/Cz
FTXM25M2V1B	25	New Mainstream	D/Cz
FTXM35M2V1B	35	New Mainstream	D/Cz
FTXM42M2V1B	42	New Mainstream	D/Cz
FTXM50M2V1B	50	New Mainstream	D/Cz
FTXM60M2V1B	60	New Mainstream	D/Cz
FTXM71M2V1B	71	New Mainstream	D/Cz

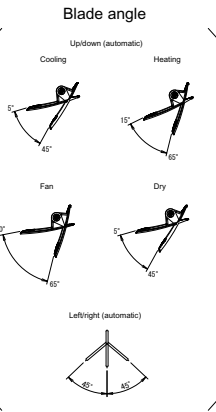
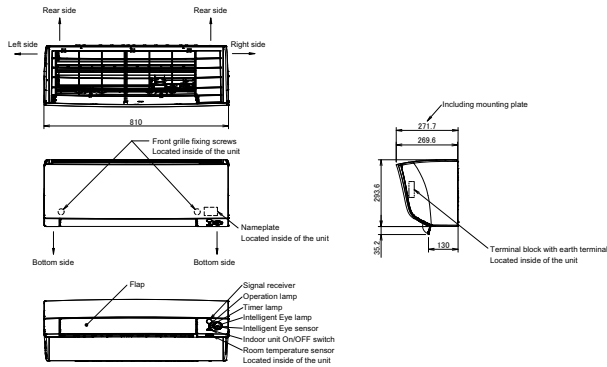
Option kit	Product name	Remark	FTXM20M2V1B	FTXM25M2V1B	FTXM35M2V1B	FTXM42M2V1B	FTXM50M2V1B	FTXM60M2V1B	FTXM71M2V1B
Wired remote control	BRC073A1		✓	✓	✓	✓	✓	✓	✓
Wired remote control	BRC944B2		✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (3m)	BRCW901A03		✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (5m)	BRCW901A08		✓	✓	✓	✓	✓	✓	✓
Interface adaptor for wired remote control	KRC72A		✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		✓	✓	✓	✓	✓	✓	✓
Wi-Fi adaptor for smartphones	BRP069A41	①	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S		✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51		✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51		✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51		✓	✓	✓	✓	✓	✓	✓
Titanium apatite photocatalytic air-purifving filter without frame	BAF970-A	②	✓	✓	✓	✓	✓	✓	✓

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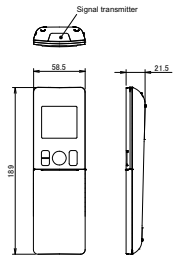
4 Dimensional drawings

4 - 1 Dimensional Drawings

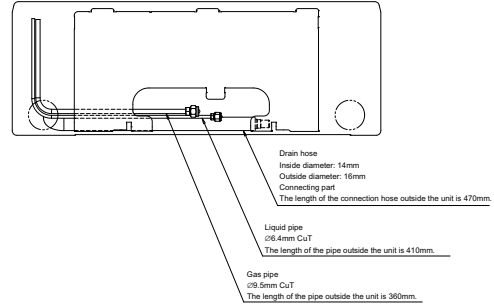
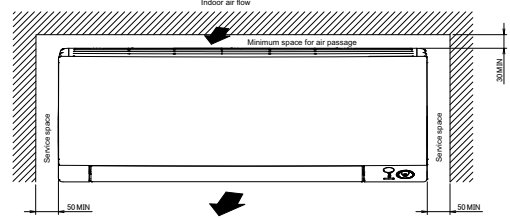
FTXM20-42M



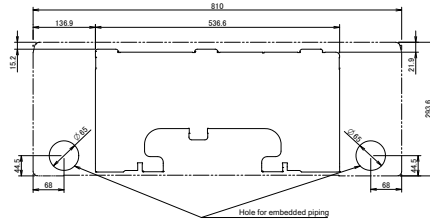
Wireless remote control (ARC466A33)



Required space for service and ventilation

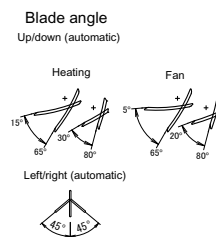
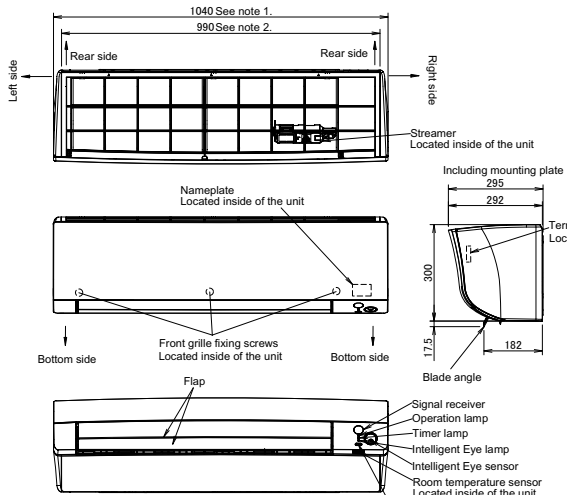


Standard location of holes in the wall

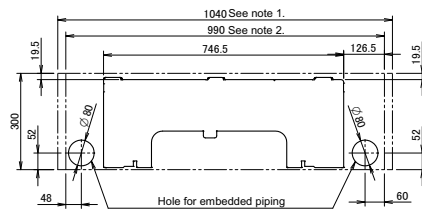
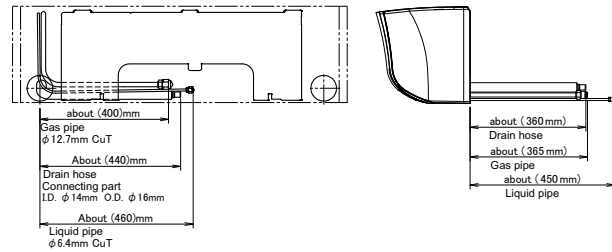
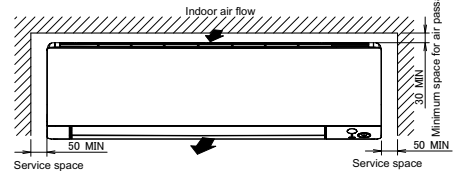
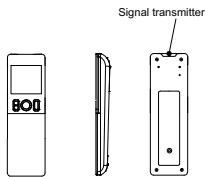


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FTXM50-60M



Wireless remote control (ARC466A33)



Standard location of holes in the wall

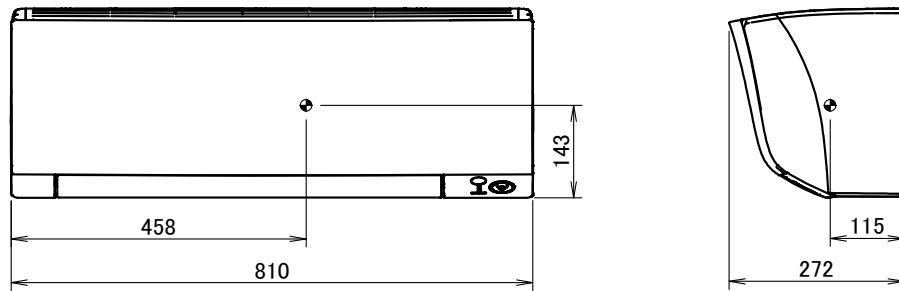
Notes
1. Total width of unit
2. Width of unit against the wall

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5 Centre of gravity

5 - 1 Centre of Gravity

FTXM20-42M

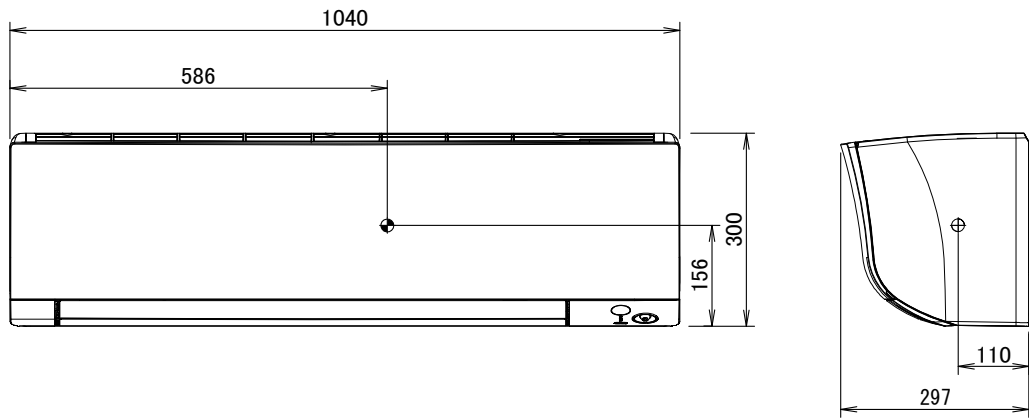


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXM50-71M

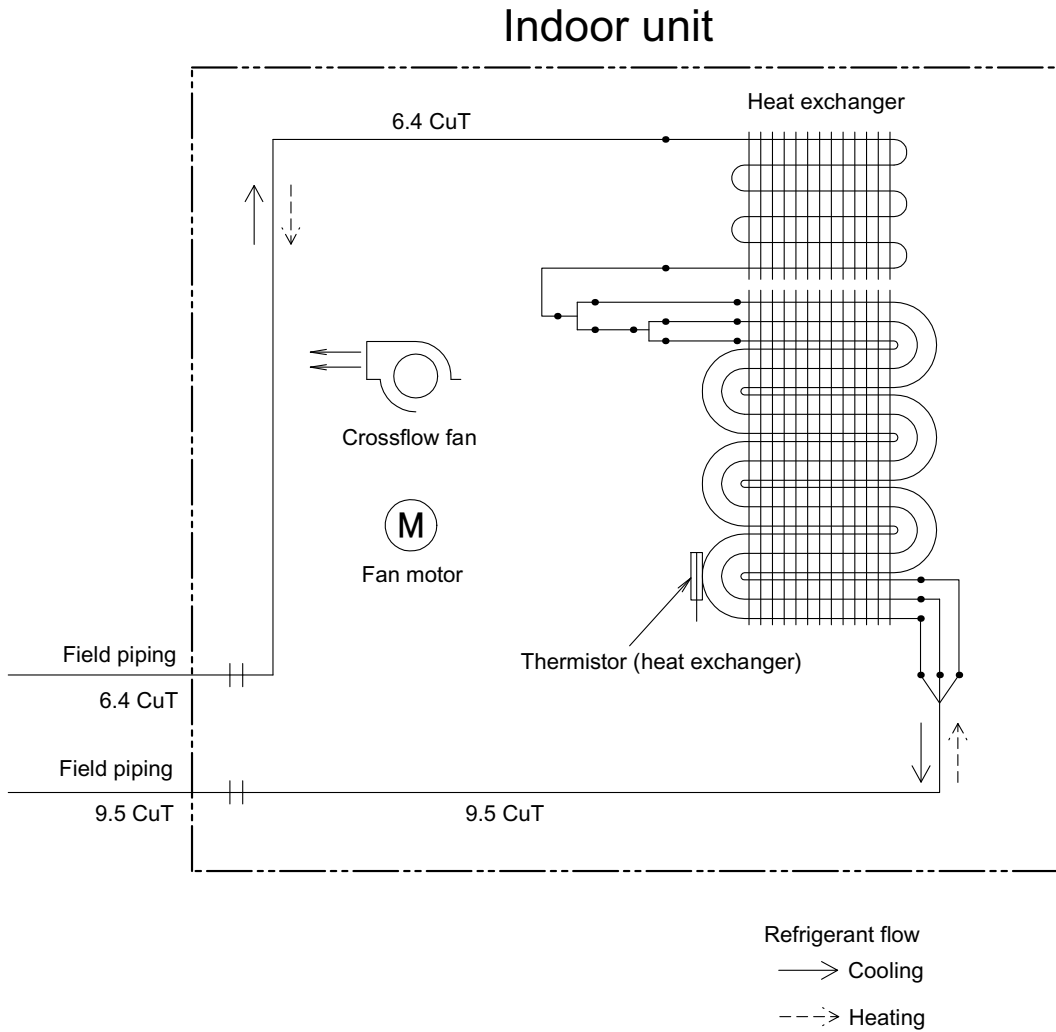


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXM20-35M



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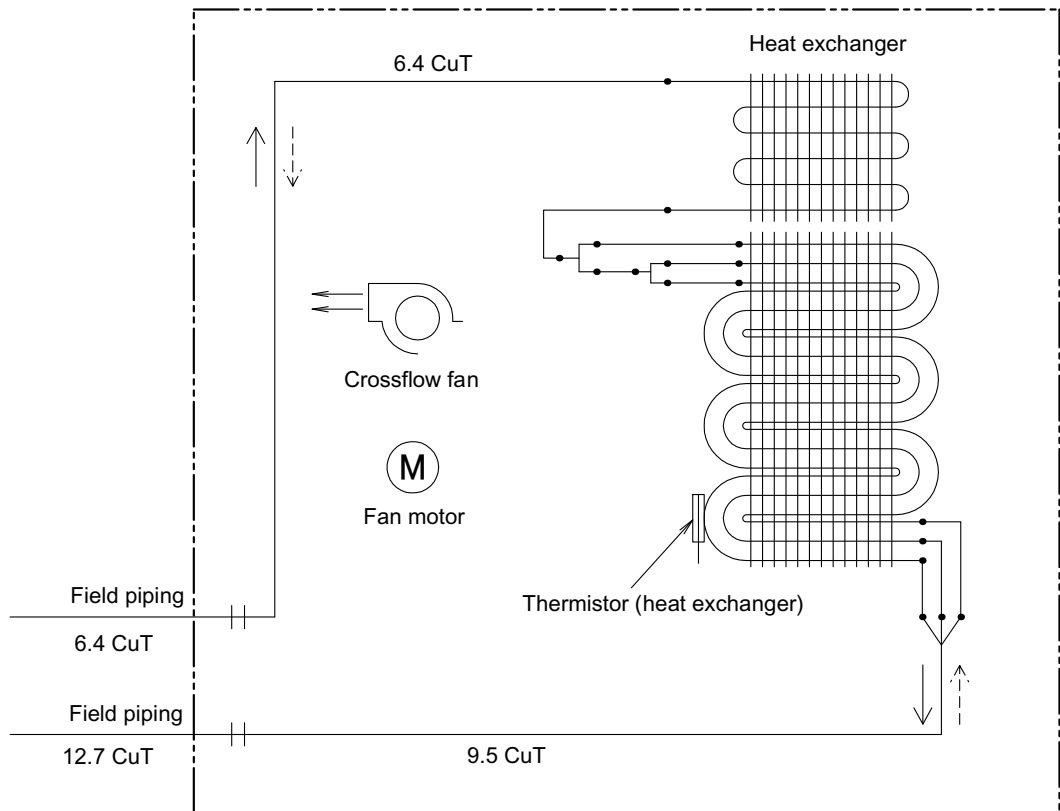
6 Piping diagrams

6 - 1 Piping Diagrams

FTXM42M

6

Indoor unit



Refrigerant flow

—> Cooling

- - -> Heating

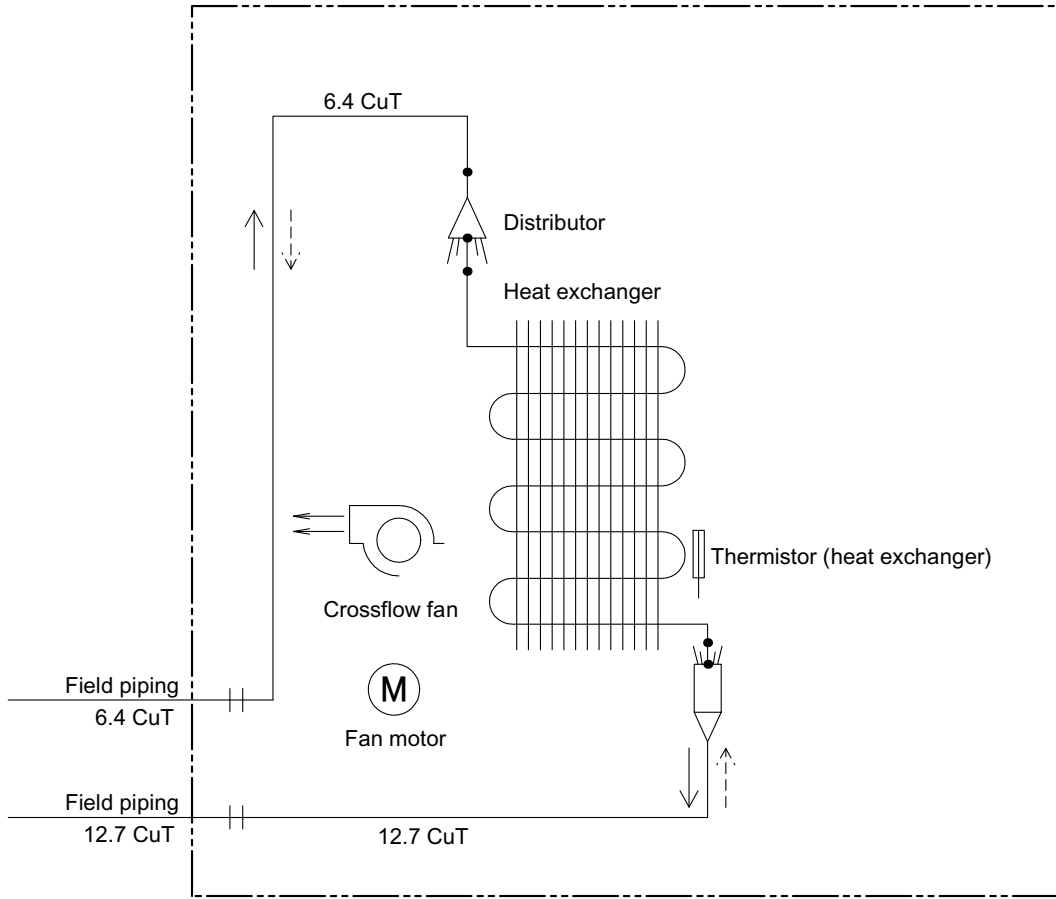
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6 Piping diagrams

6 - 1 Piping Diagrams

FTXM50-60M

Indoor unit



Refrigerant flow
 —> Cooling
 - - -> Heating

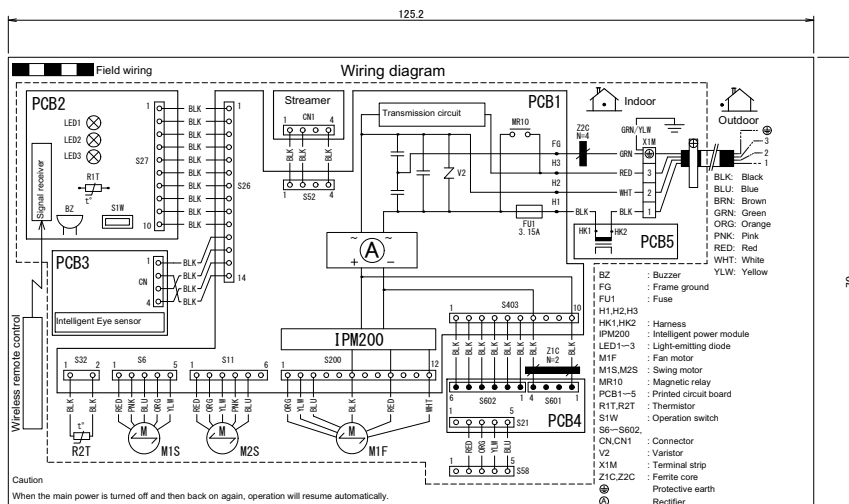
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

7

FTXM20-42M

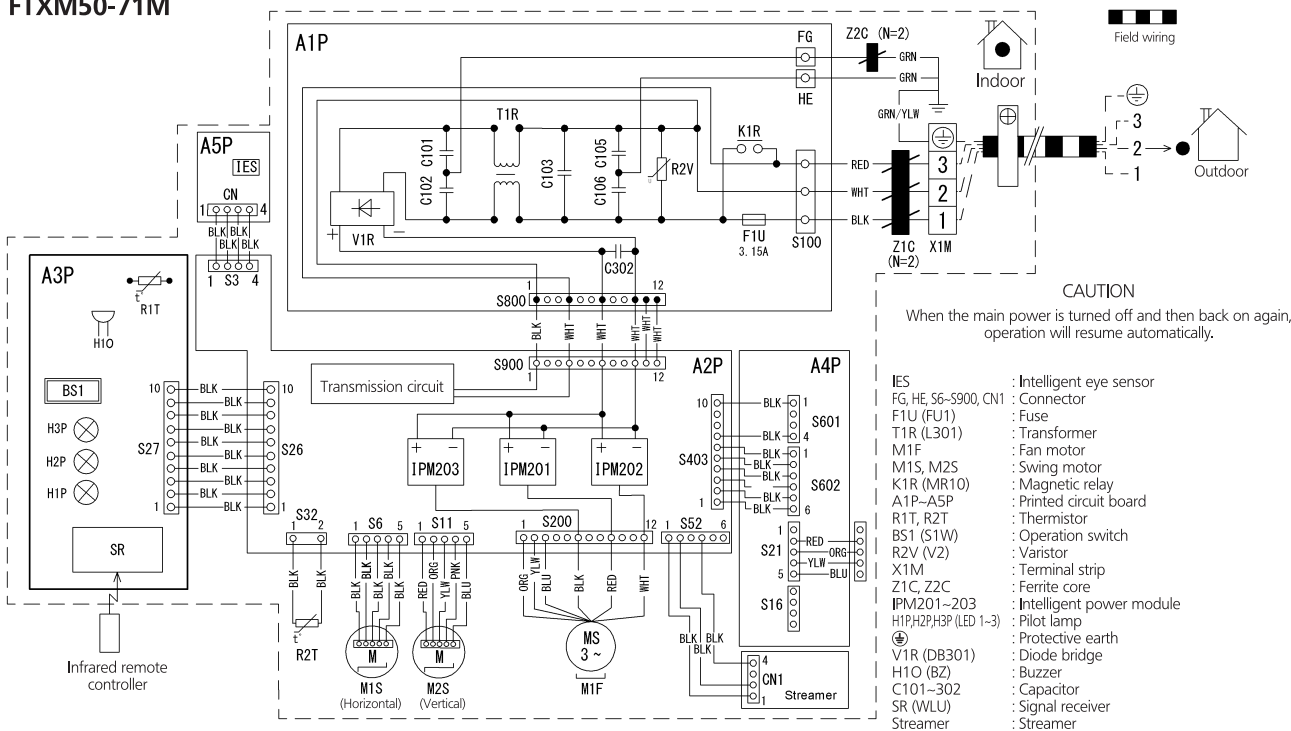


Notes

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

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FTXM50-71M



Notes:

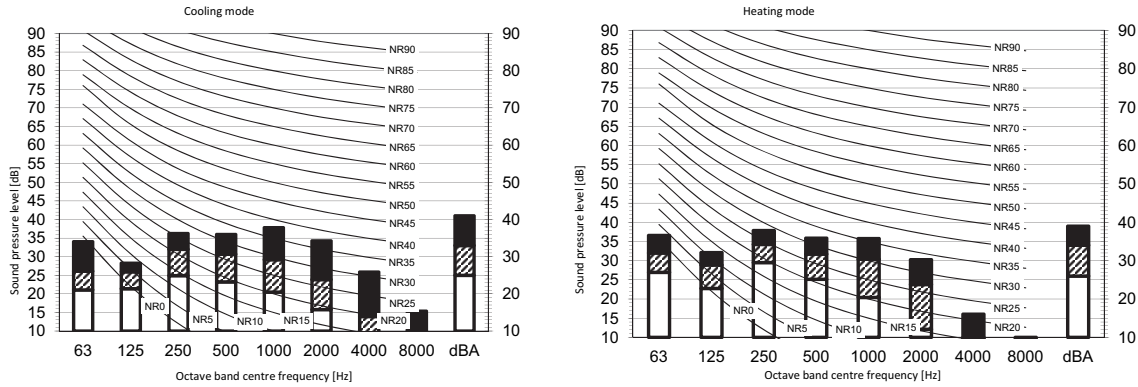
- 1 Size: length 65 x width 110
- 2 Refer to purchasing specification AS303002, unless otherwise specified.
- 3 PNK: Pink, GRN: Green, YLW: Yellow, ORG: Orange, BLK: Black, RED: Red, BLU: Blue, WHT: White

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8 Sound data

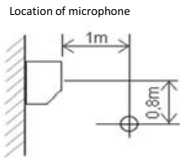
8 - 1 Sound Pressure Spectrum

FTXM20M



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

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



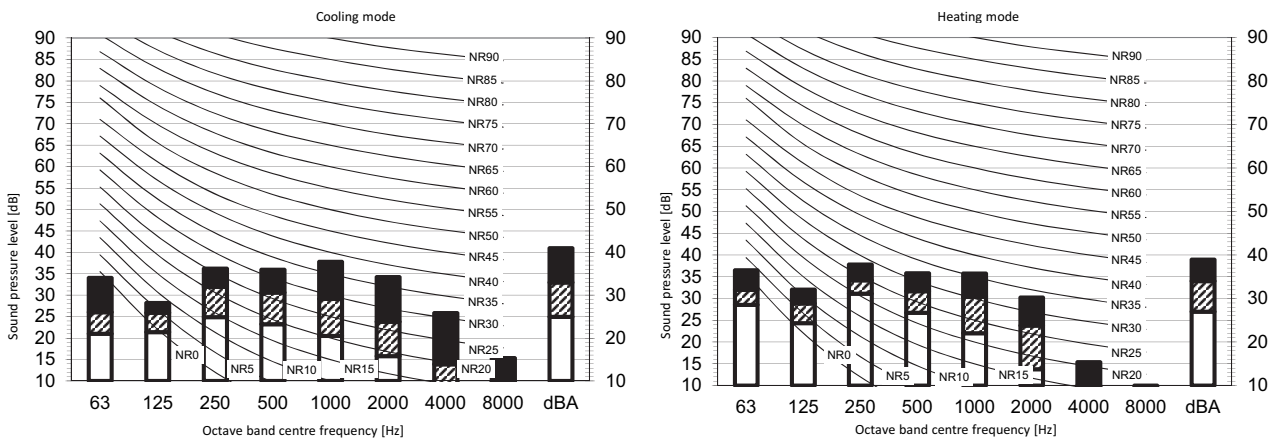
Cooling		Total dB	
A	B	C	D
dBA	41	33	25

Heating		Total dB	
A	B	C	D
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

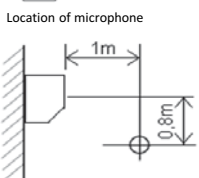
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FTXM25M



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

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



Cooling		Total dB	
A	B	C	D
dBA	41	33	25

Heating		Total dB	
A	B	C	D
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

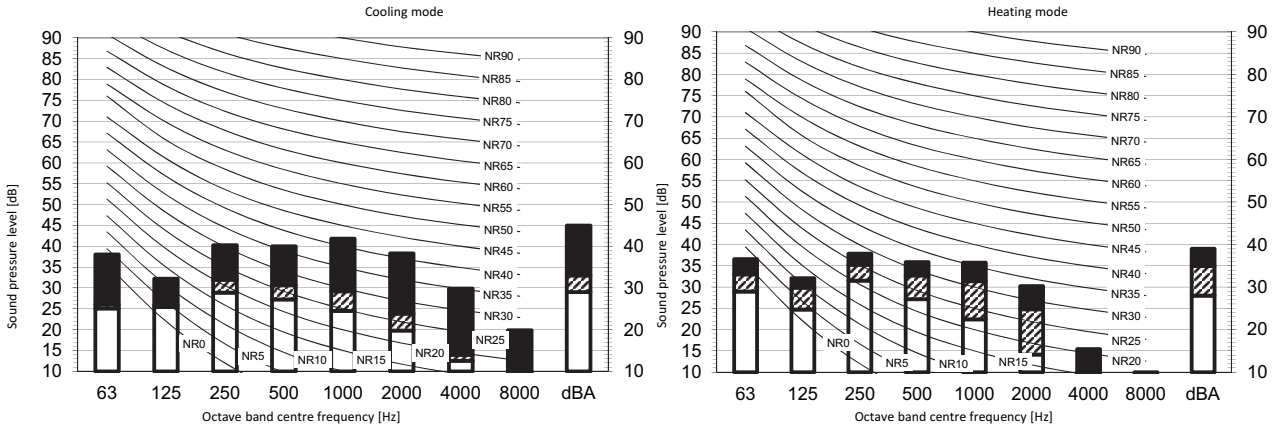
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8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXM35M



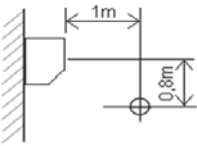
Legend

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

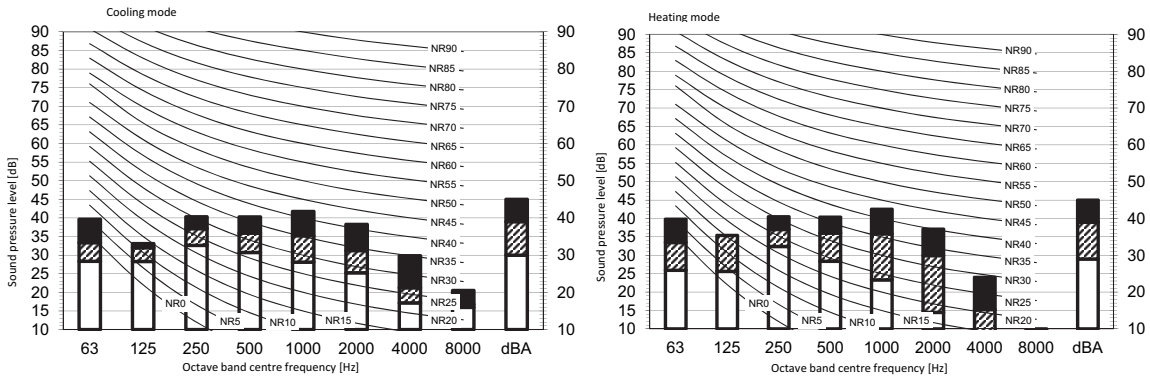


Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	45	33	29	dBA	39	35	28

- 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



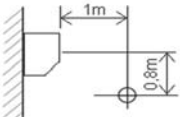
Legend

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

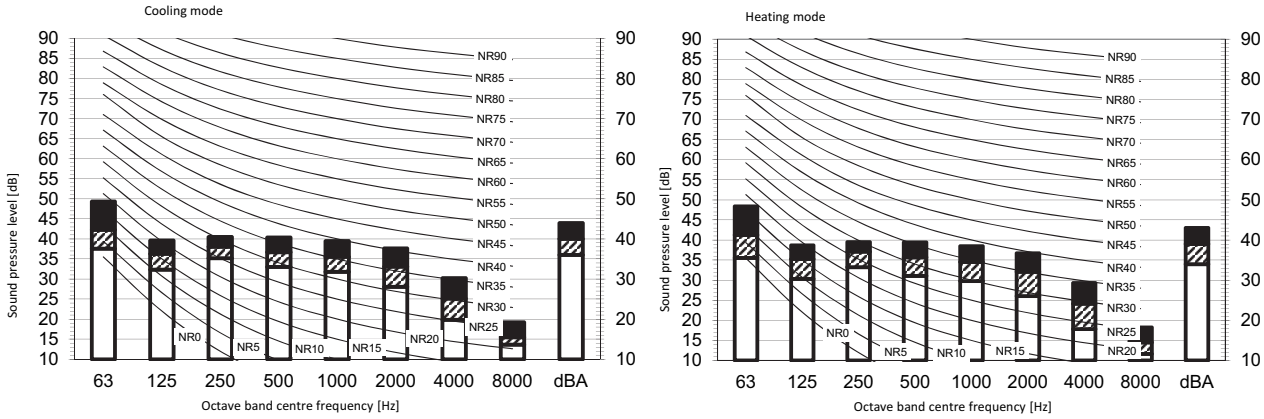
- Notes**
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: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

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM50M



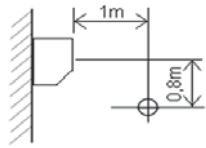
Legend

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



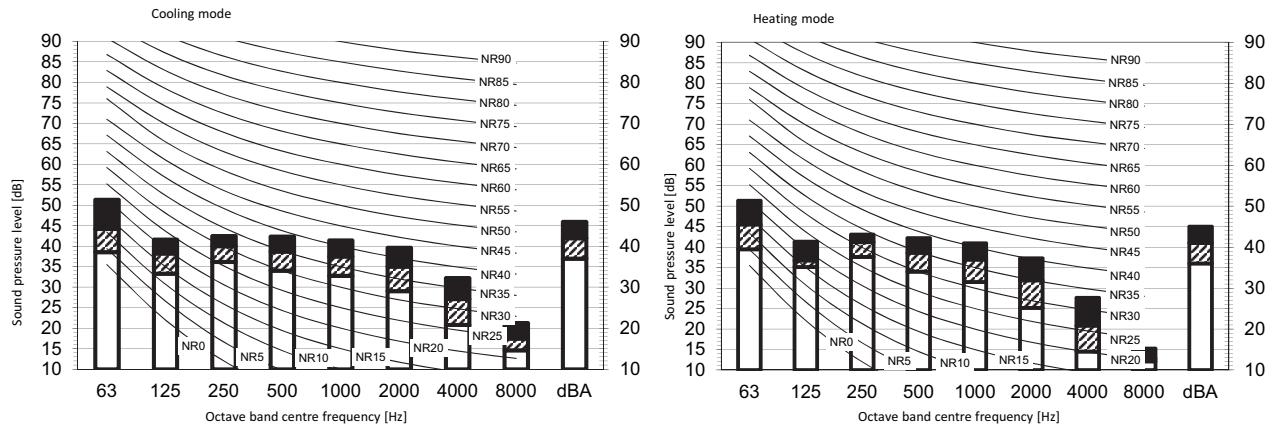
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	44	40	36	dBA	43	39	34

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



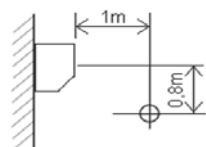
Legend

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

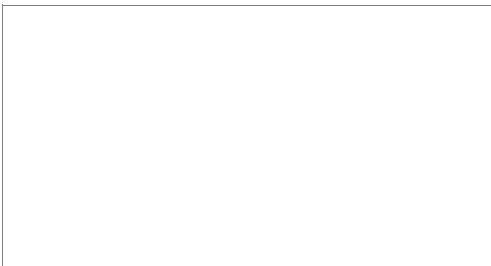
Notes

- 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

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ECDEN XXX-07/15



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