

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
	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

2-1 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

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXM20M2V1B	20	New Mainstream	DI/G
Wired remote control	BRC944B2		FTXM25M2V1B	25	New Mainstream	DI/G
Extension cord for wired remote control (3m)	BRCW901A03		FTXM35M2V1B	35	New Mainstream	DI/G
Extension cord for wired remote control (5m)	BRCW901A08		FTXM43M2V1B	42	New Mainstream	DI/G
Interface adaptor for wired remote control	KRC72A		FTXM50M2V1B	50	New Mainstream	DI/G
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		FTXM60M2V1B	60	New Mainstream	DI/G
Wi-Fi adaptor for smartphones	BRP069A41		FTXM71M2V1B	71	New Mainstream	DI/G
Interface adaptor for DIII-NET	KRP928BB2S	①				
Central remote control	DCS302CA51					
Unified ON/OFF controller	DCS301BA51					
Schedule timer	DST301BA51					
Titanium apatite photocatalytic air-purifying filter without frame	BAF970-A	②				

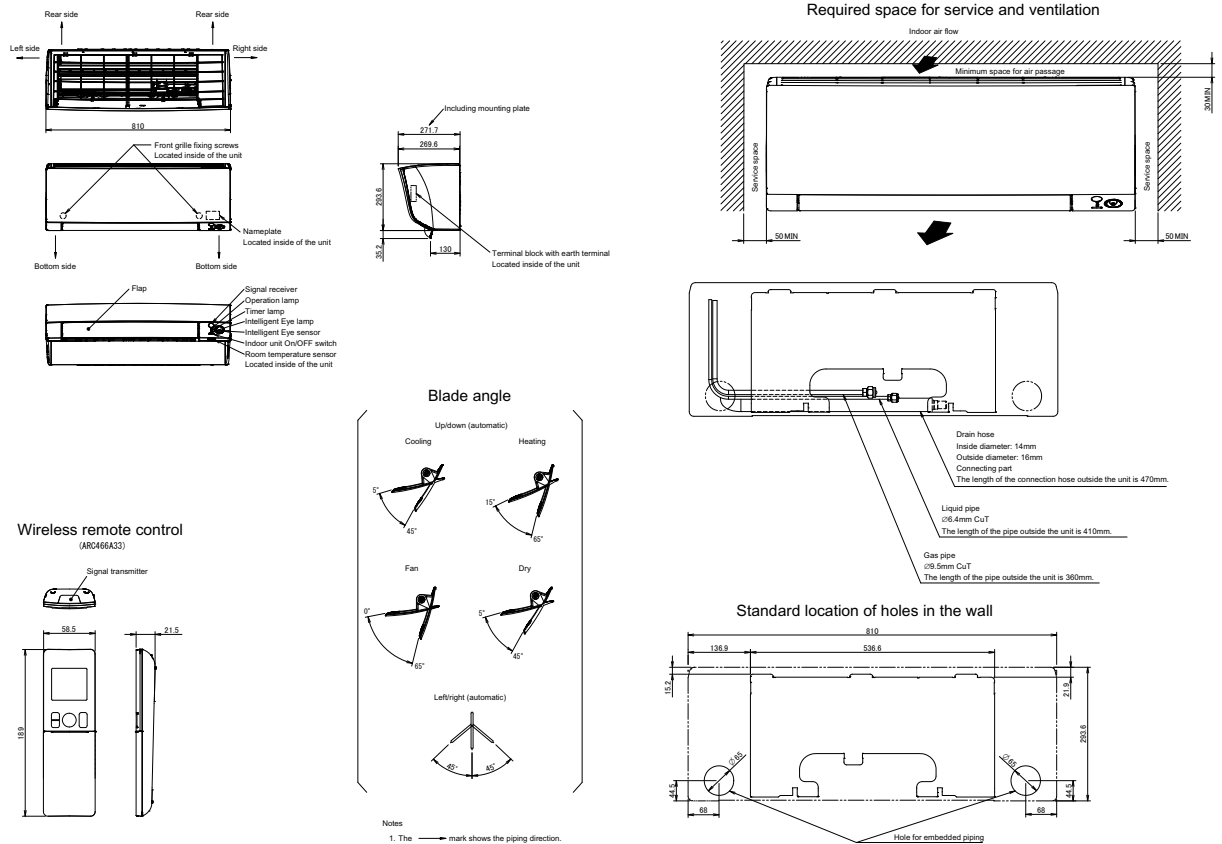
3D095173C

4 Dimensional drawings

4 - 1 Dimensional Drawings

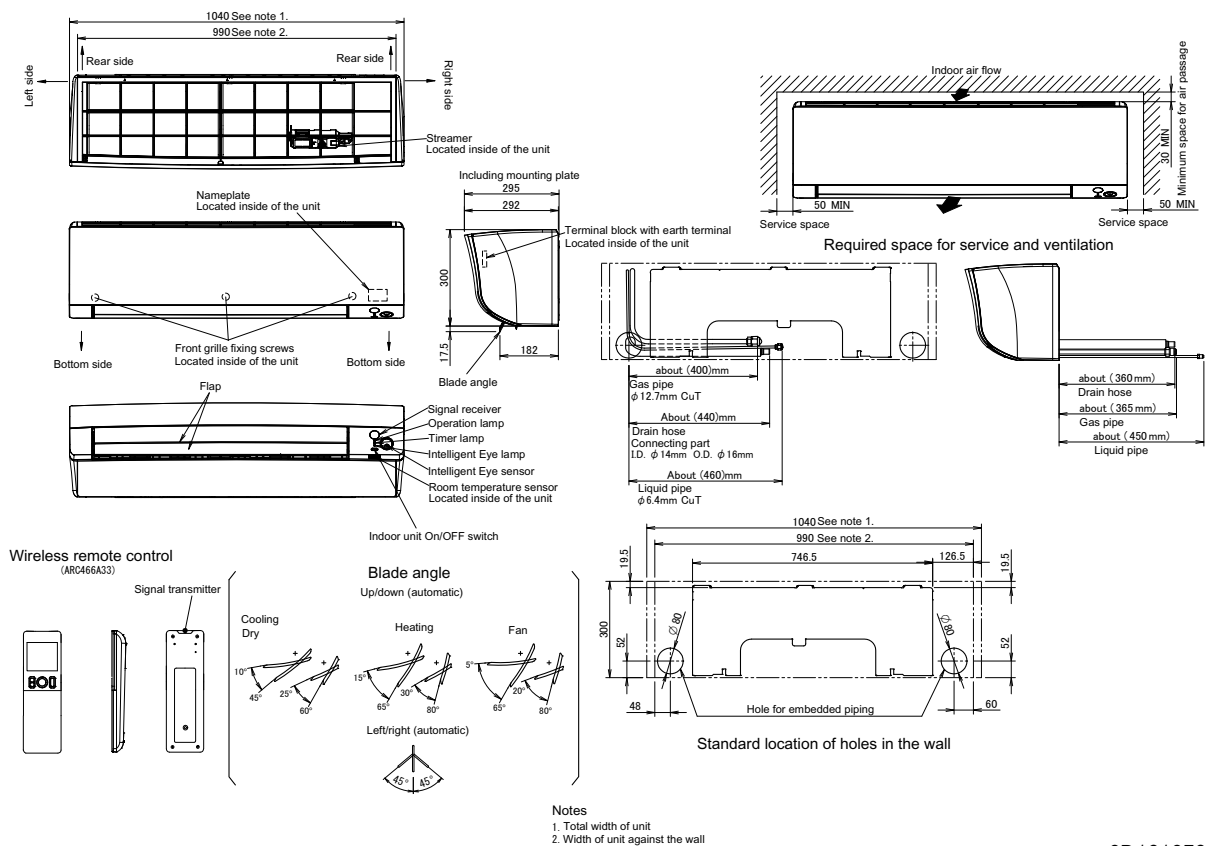
4

FTXM20-42M



2D100063A

FTXM50-60M



3D101370A

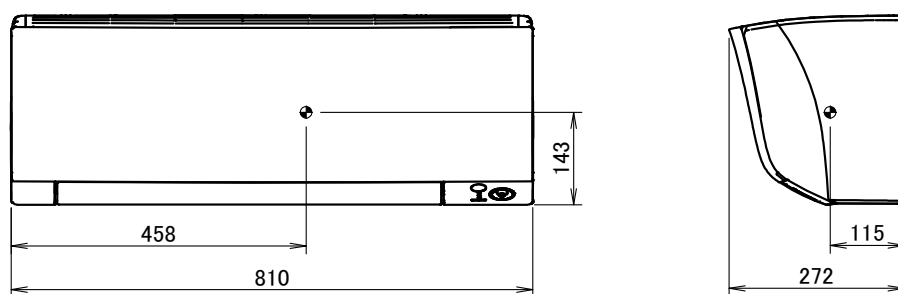
6

5 Centre of gravity

5 - 1 Centre of Gravity

5

FTXM20-42M

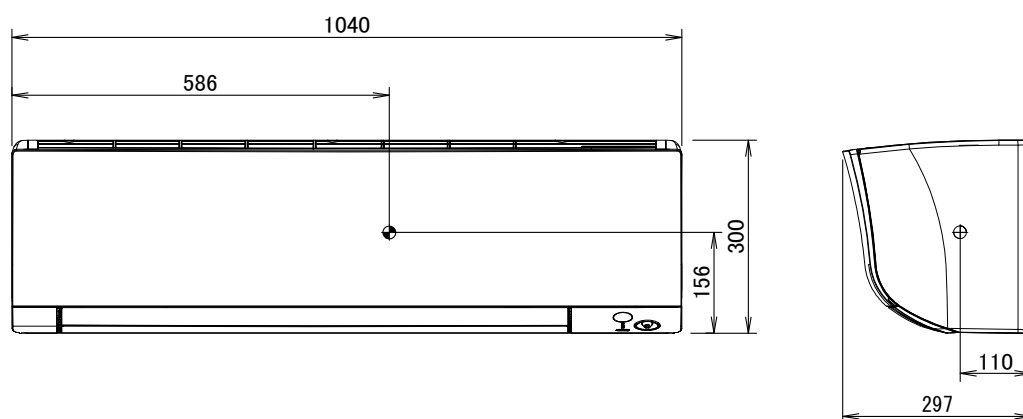


4D100152

5 Centre of gravity

5 - 1 Centre of Gravity

FTXM50-71M

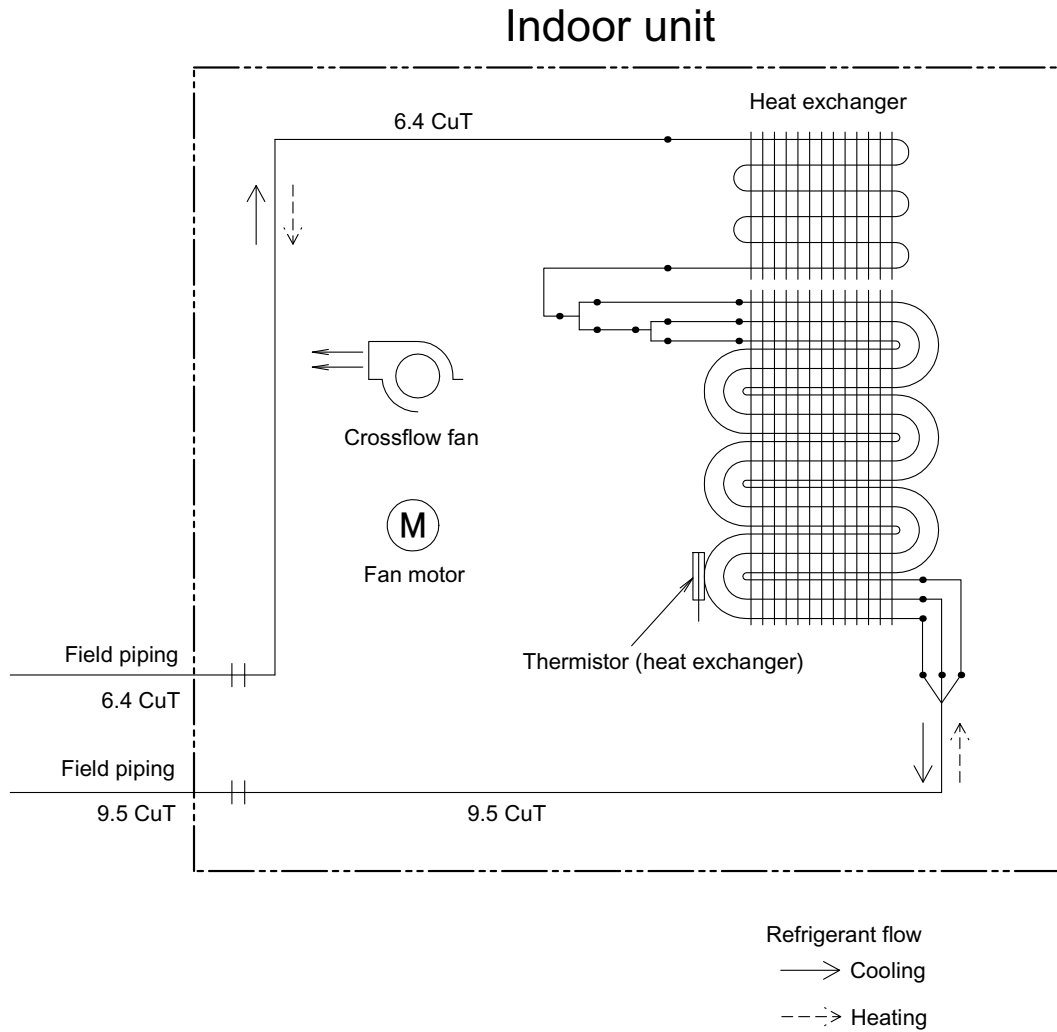


4D101334

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM20-35M

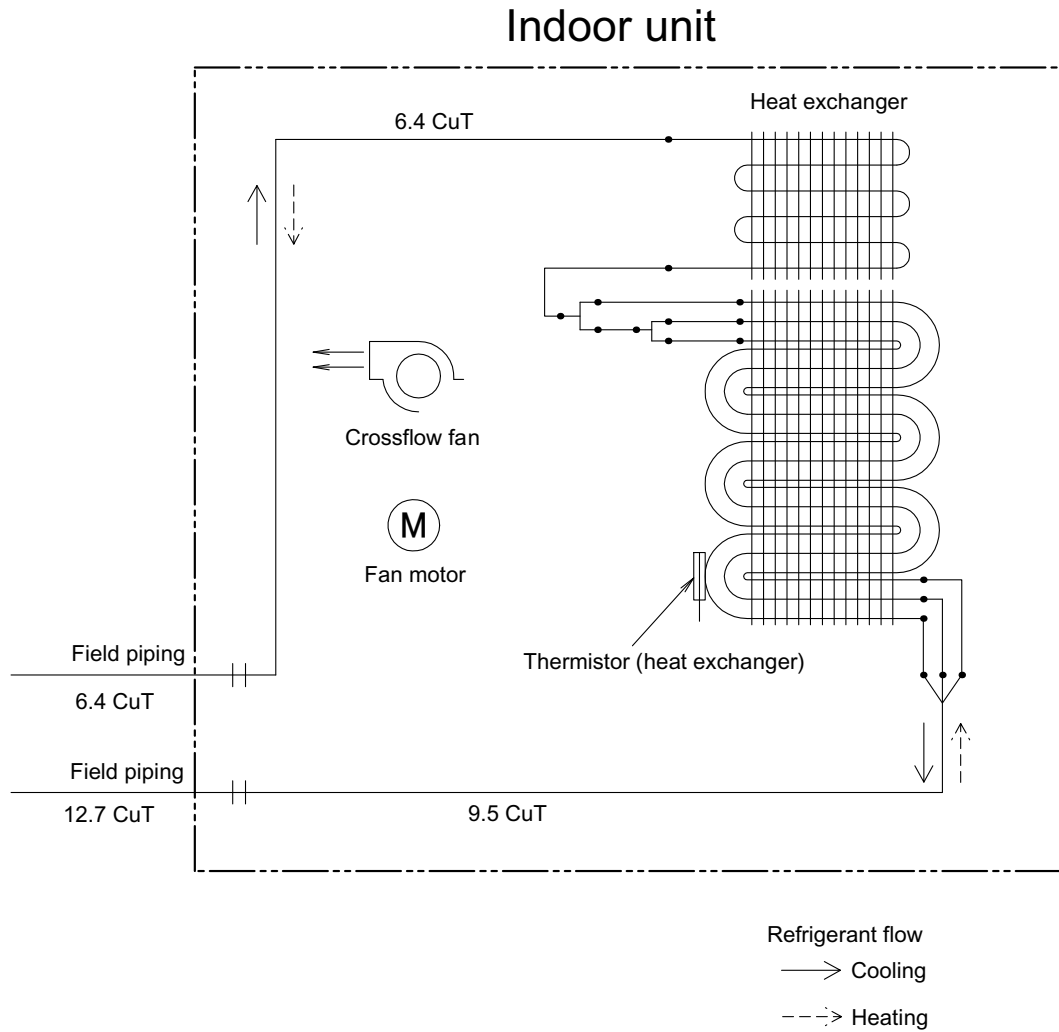


4D098106

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM42M

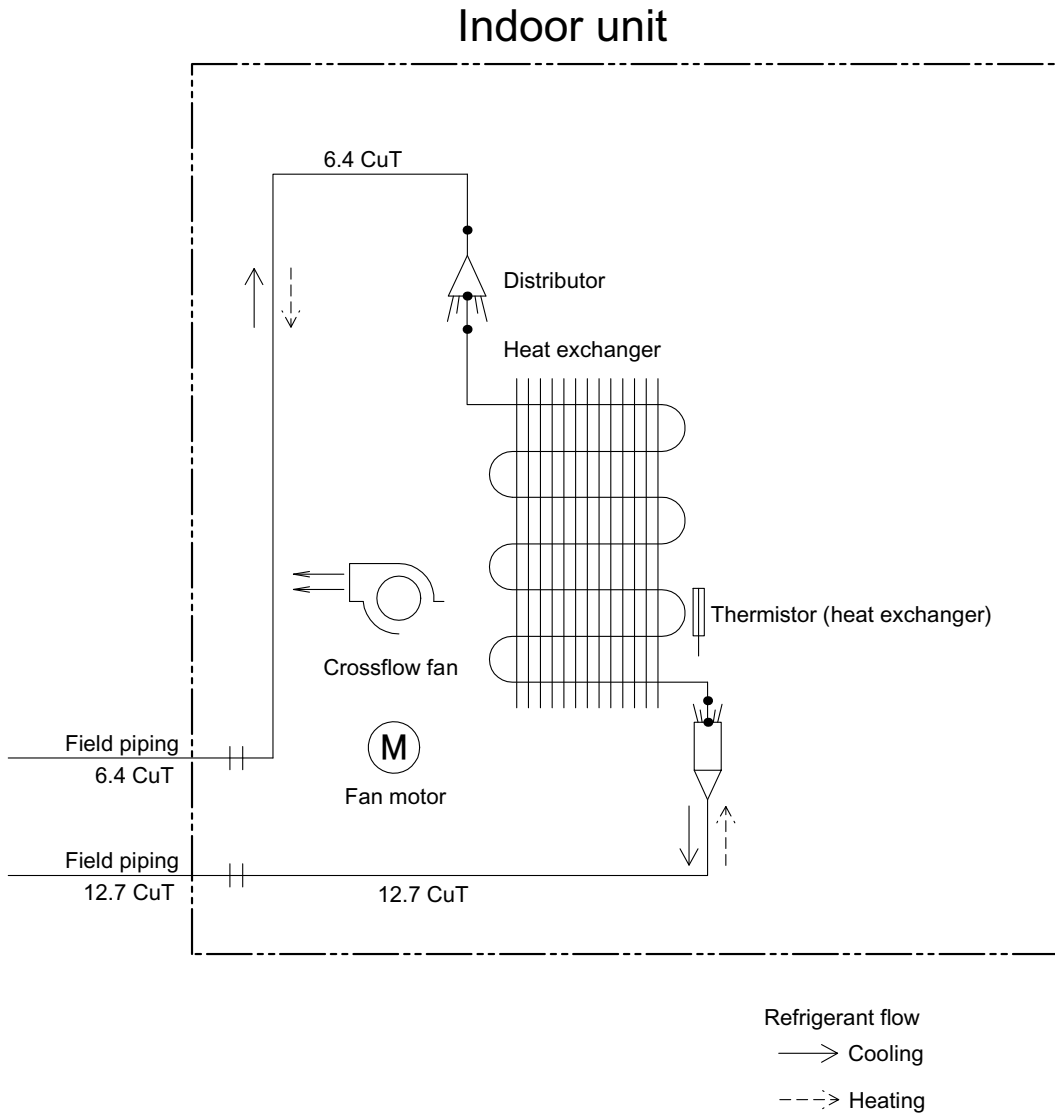


4D101820

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM50-60M

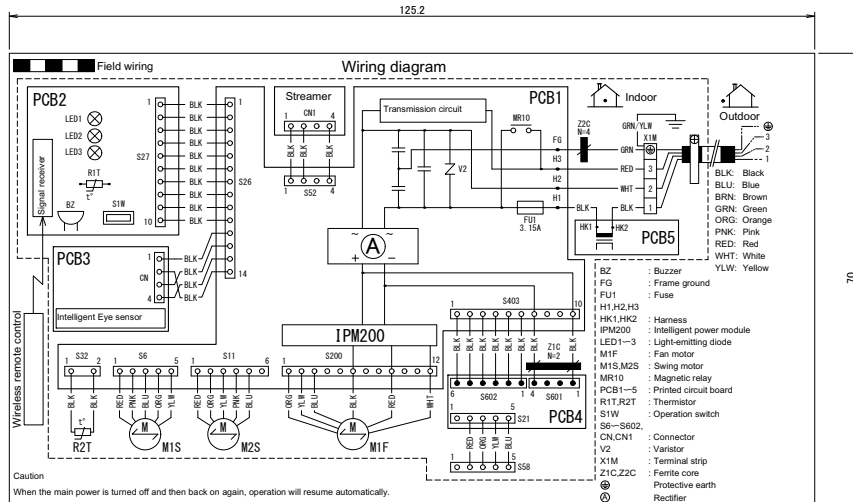


4D101332A

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXM20-42M

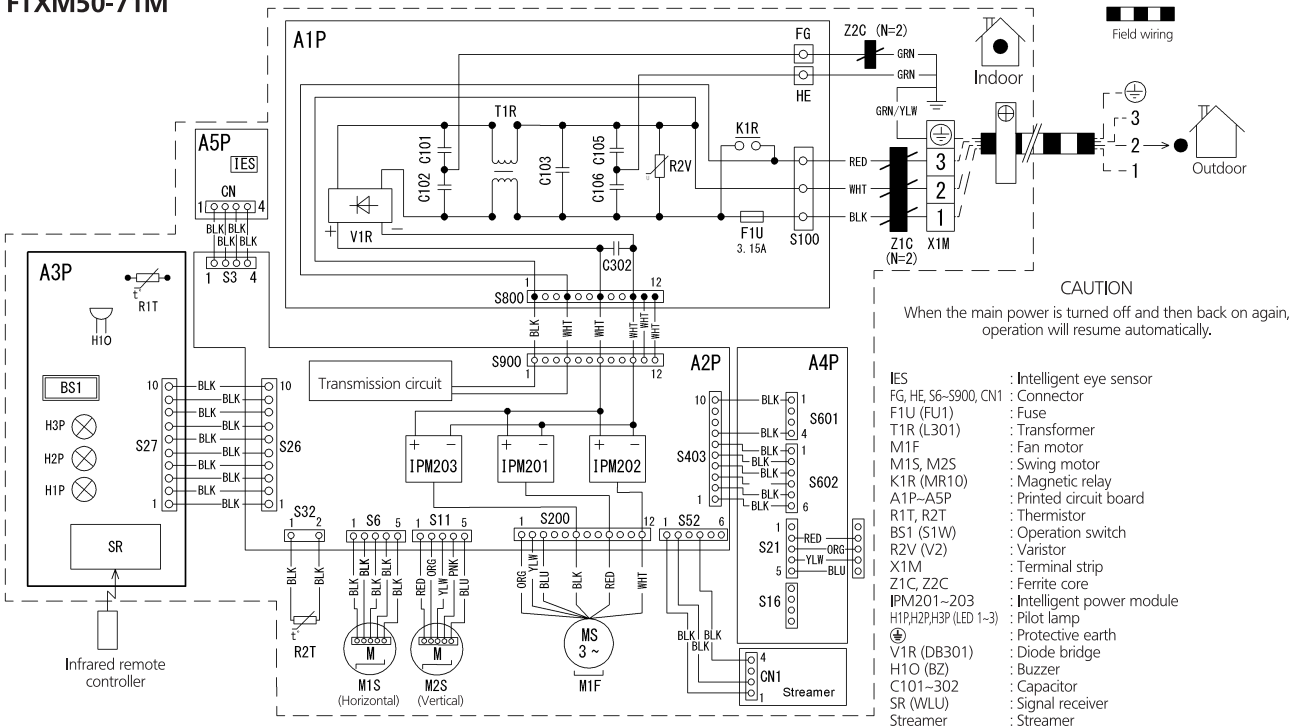


Notes

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

3D098117C

FTXM50-71M



Notes

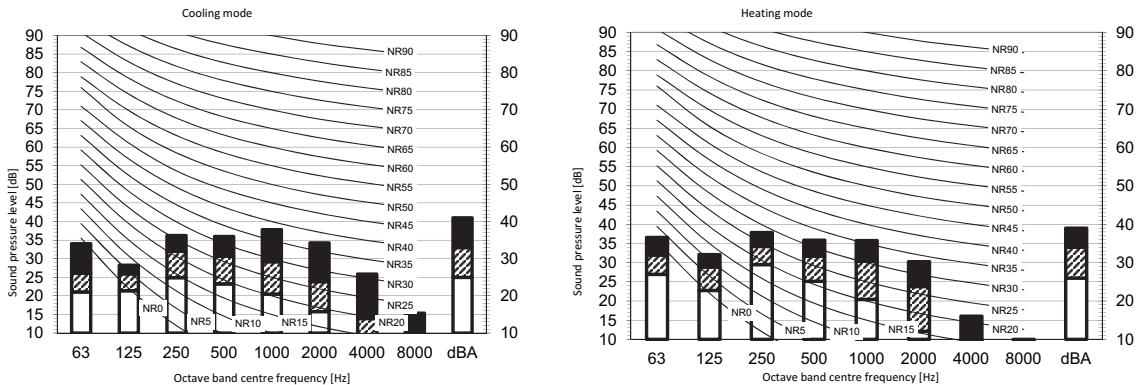
- 1) Size: length 65 x width 110
- 2) Refer to purchasing specification AS303002, unless otherwise specified.
- 3) PNK: Pink, GRN: Green, YLW: Yellow, ORG: Orange, BLK: Black, RED: Red, BLU: Blue, WHT: White

3D100231A

8 Sound data

8 - 1 Sound Pressure Spectrum

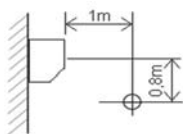
FTXM20M



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

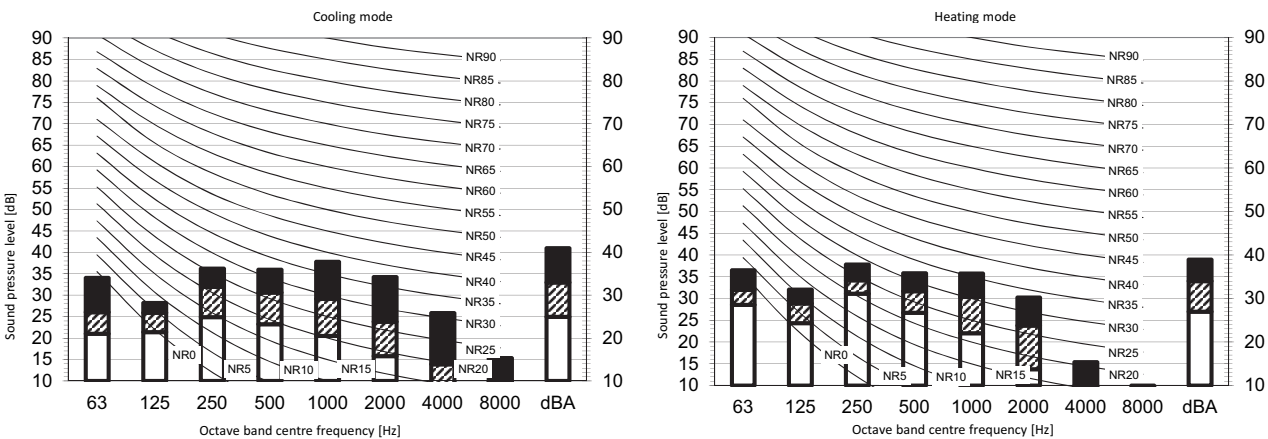


Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	26

- 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

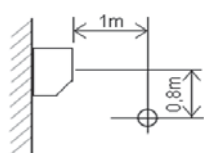
FTXM25M



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				Heating			
Total dB				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

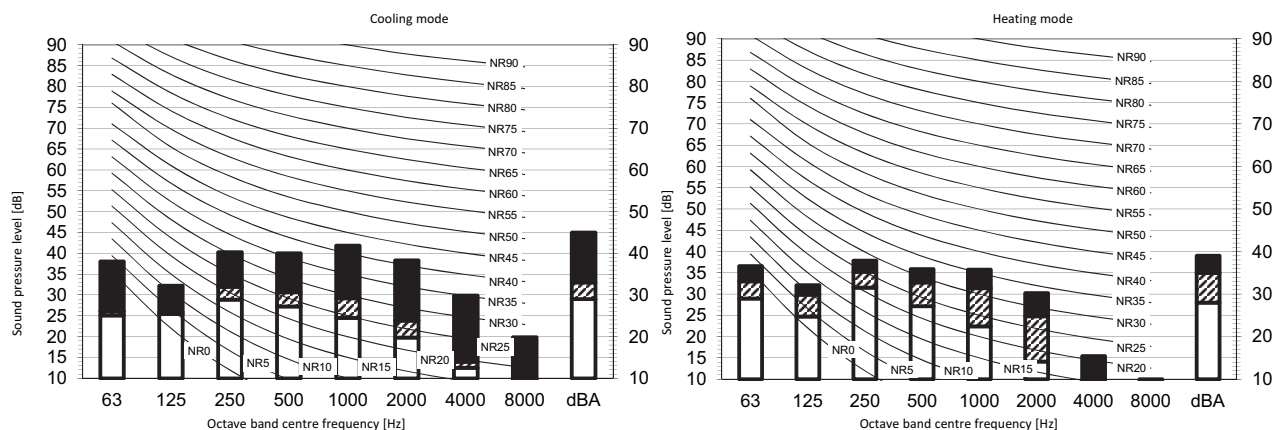
3D101043A

8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXM35M



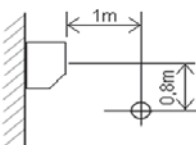
Legend

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

A	B	C	D
dBA	45	33	29

Heating

Total dB

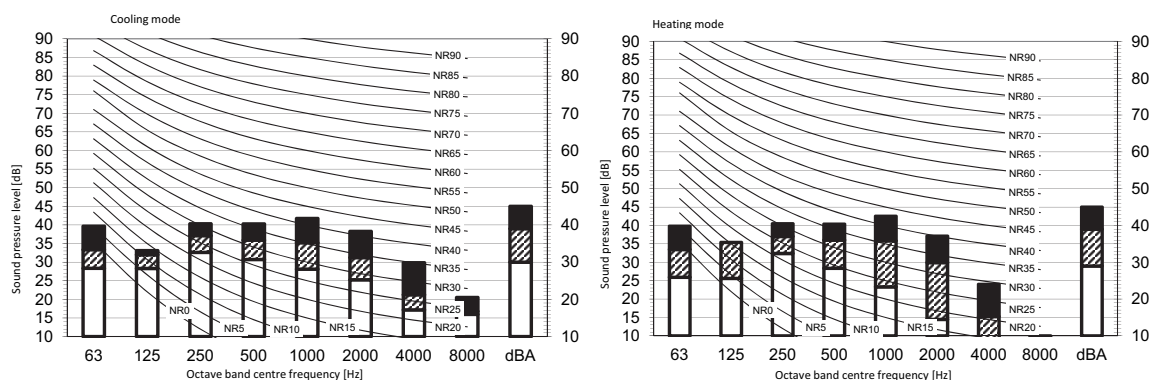
A	B	C	D
dBA	39	35	28

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

3D101044A

FTXM42M



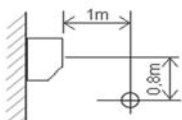
Legend

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

A	B	C	D
dBA	45	39	30

Heating

Total dB

A	B	C	D
dBA	45	39	29

Notes

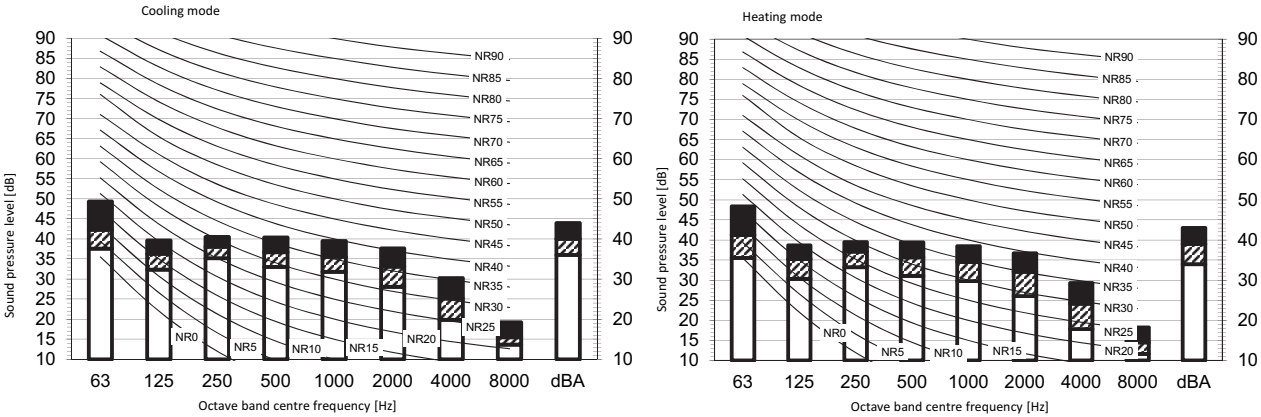
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101045A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM50M

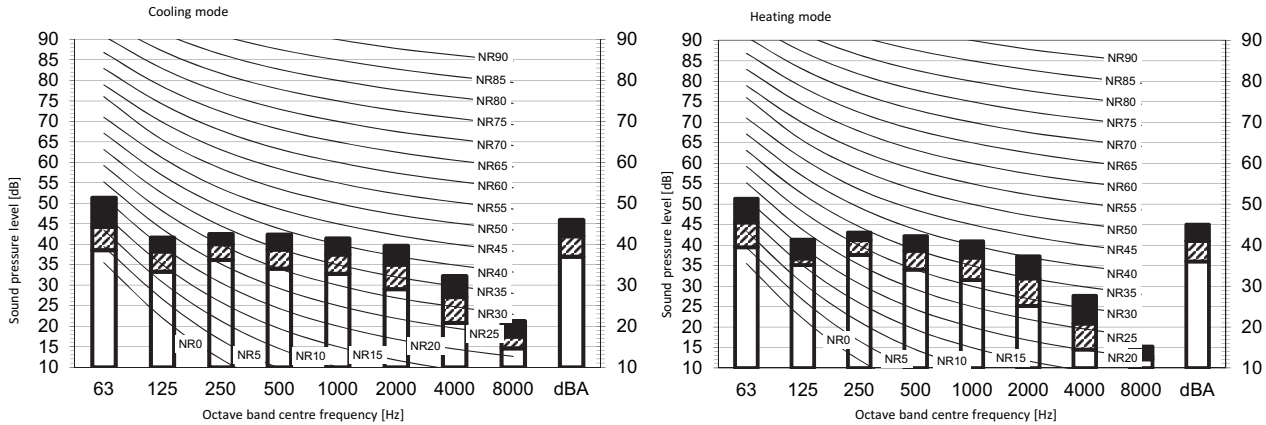


Cooling					Heating				
Total dB					Total dBA				
A	B	C	D		A	B	C	D	
dBA	44	40	36		dBA	43	39	34	

- 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

3D102203A

FTXM60M

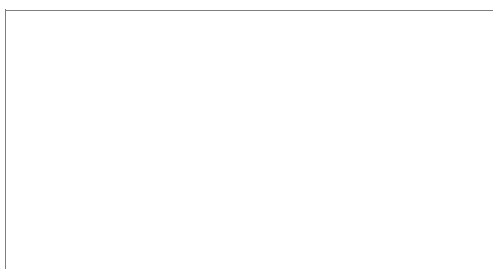


Cooling					Heating				
Total dBA					Total dBA				
A	B	C	D		A	B	C	D	
dBA	46	42	37		dBA	45	41	36	

- 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

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



EC DEN

XXX-07/15



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.