

Air Conditioning Technical Data

FTXM-M



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

> FTXM71M2V1B

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	8
6	Piping diagrams	10
7	Wiring diagrams	14
	Wiring Diagrams - Single Phase	14
8	Sound data	15
	Sound Pressure Spectrum	15

1 Features

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- 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
- 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	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
Titanium apatite deodorising filter	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
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
	Output	High	W		22				46		52
Sound power level	Cooling		dBA	57 (1)		60 (1)		59 (1)	60	60 (1)	
	Heating		dBA	54 (1)			60 (1)	58 (1)	59	61 (1)	
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	
Control systems	Infrared remote control				ARC466A33						
	Wired remote control				BRC944B2 / BRC073A1				BRC944B2 / BRC073		

2 Specifications

2-1 Technical Specifications			FTXM20M	FTXM25M	FTXM35M	FTXM42M	FTXM50M	FTXM60M	FTXM71M
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

(1) Contains fluorinated greenhouse gases

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

3 Options

3 - 1 Options

FTXM20-42M

Option kit	Product name	Remark	Applicable models	Class	Q-rating	Factory
Wired remote control	BRC073A1		FTXM15M2V1B	15	New Mainstream	DC2
Wired remote control	BRC944B2		FTXM20M2V1B	20	New Mainstream	DC2
Extension cord for wired remote control (3m)	BRCW901A03		FTXM25M2V1B	25	New Mainstream	DC2
Extension cord for wired remote control (5m)	BRCW901A08		FTXM35M2V1B	35	New Mainstream	DC2
Interface adaptor for wired remote control	KRP980B1		FTXM42M2V1B	42	New Mainstream	DC2
Interface adaptor for wired remote control	EKRP067A41		FTXM65M2V1B	50	New Mainstream	DC2
Interface adaptor for wired remote control	EKRP980B2		FTXM66M2V1B	60	New Mainstream	DC2
Centralised control board (up to 5 rooms)	KRC72A		FTXM71M2V1B	71	New Mainstream	DC2
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB15		ATXM20M2V1B	20	New Mainstream	DC2
Wi-Fi adaptor for smartphones	BRP069B41	④⑤	ATXM25M2V1B	25	New Mainstream	DC2
Wi-Fi adaptor for smartphones	BRP069B42	⑤	ATXM35M2V1B	35	New Mainstream	DC2
Wi-Fi adaptor for smartphones	BRP069B43	⑤	ATXM42M2V1B	42	New Mainstream	DC2
Wi-Fi adaptor for smartphones	BRP069A44	⑥	ATXM65M2V1B	50	New Mainstream	DC2
Wi-Fi adaptor for smartphones	BRP069B45	⑤	ATXM66M2V1B	60	New Mainstream	DC2
Interface adaptor for DIII-NET	KRP9288B25		FTXM20M1B1B	20	New Mainstream	DC2
Central remote control	DCS302CA51		FTXM25M1B1B	25	New Mainstream	DC2
Unified ON/OFF controller	DCS301BA51		FTXM35M1B1B	35	New Mainstream	DC2
Schedule timer	DST301BA51		FTXM42M1B1B	42	New Mainstream	DC2
Titanium apatite deodorising filter without frame	KAF971A42	①	FTXM65M1B1B	50	New Mainstream	DC2
Titanium apatite deodorising filter without frame	KAF952B42	③	FTXM66M1B1B	60	New Mainstream	DC2
Titanium apatite deodorising filter without frame	KAF970A46	②	FTXM71M1B1B	71	New Mainstream	DC2
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		ATXM20M1B1B	20	New Mainstream	DC2
Honeycomb deodorising filter with frame	KAZ917B41		ATXM25M1B1B	25	New Mainstream	DC2
Honeycomb deodorising filter without frame	KAZ917B42		ATXM35M1B1B	35	New Mainstream	DC2
Air-purifying filter with frame	KAF925B41		ATXM42M1B1B	42	New Mainstream	DC2
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		ATXM65M1B1B	50	New Mainstream	DC2
Anti-theft protection for remote control	KKF910AA4		ATXM66M1B1B	60	New Mainstream	DC2
Anti-theft protection for remote control	KKF917AA4		FTXP20E3V1B	20	BMS-R32	DC2
Anti-theft protection for remote control	KKF936A4		FTXP25E3V1B	25	BMS-R32	DC2
Installation frame for floor-standing units	BK502B44		FTXP35E3V1B	35	BMS-R32	DC2
			ATXP35E3V1B	35	BMS-R32	DC2

Notes

1. R32 models

Legend

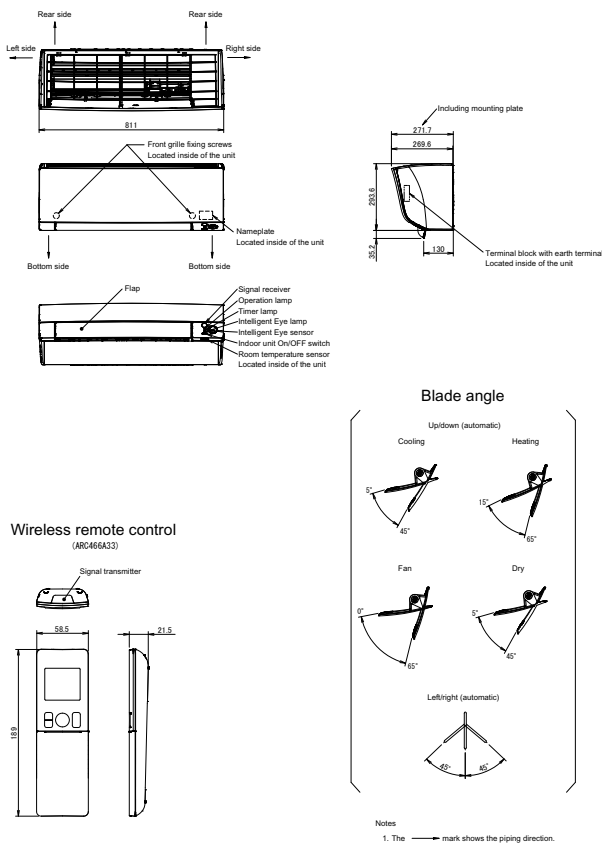
- ① Three-dimensional knitted fabric (42x275mm) + activated charcoal net
- ② Three-dimensional knitted fabric (42x255mm) + activated charcoal net
- ③ Corrugated fiberboard (42x275mm)
- ④ Without connection cable
- ⑤ Option BRP069A** was replaced by option BRP069B**.
- ⑥ This option is no longer produced.

3D095173M

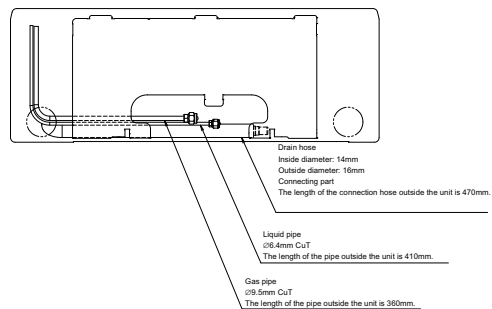
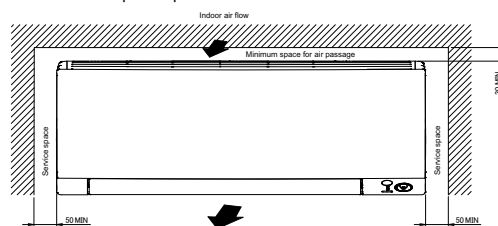
4 Dimensional drawings

4 - 1 Dimensional Drawings

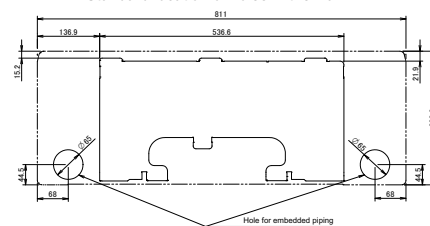
FTXM20-42M



Required space for service and ventilation



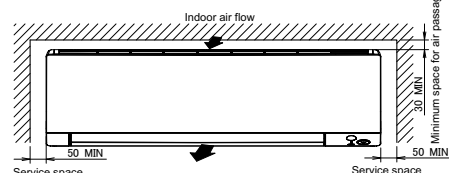
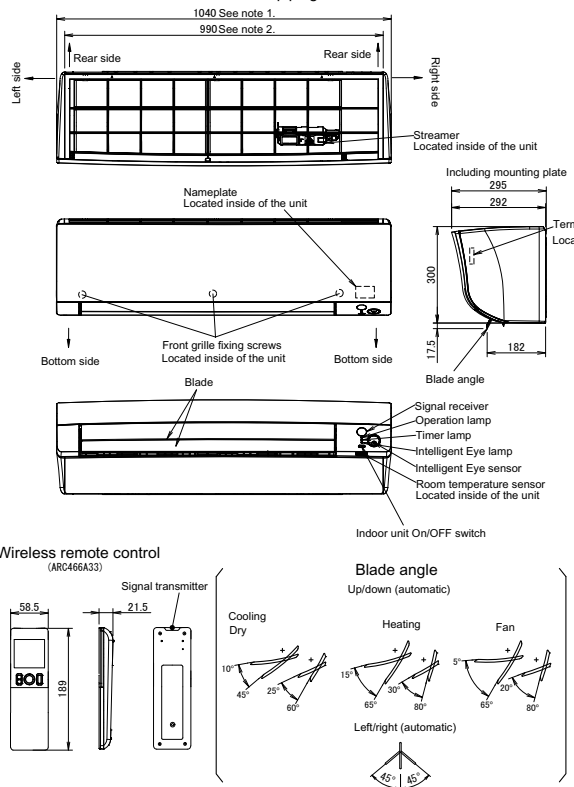
Standard location of holes in the wall



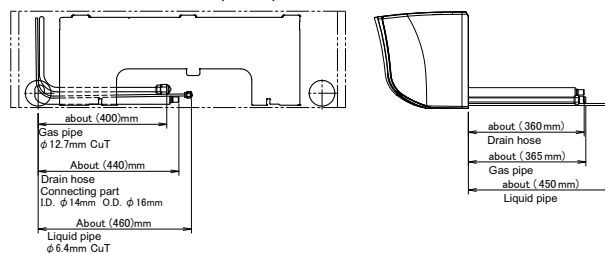
2D100063B

FTXM50-60M

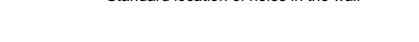
The → mark shows the piping direction.



Required space for service and ventilation



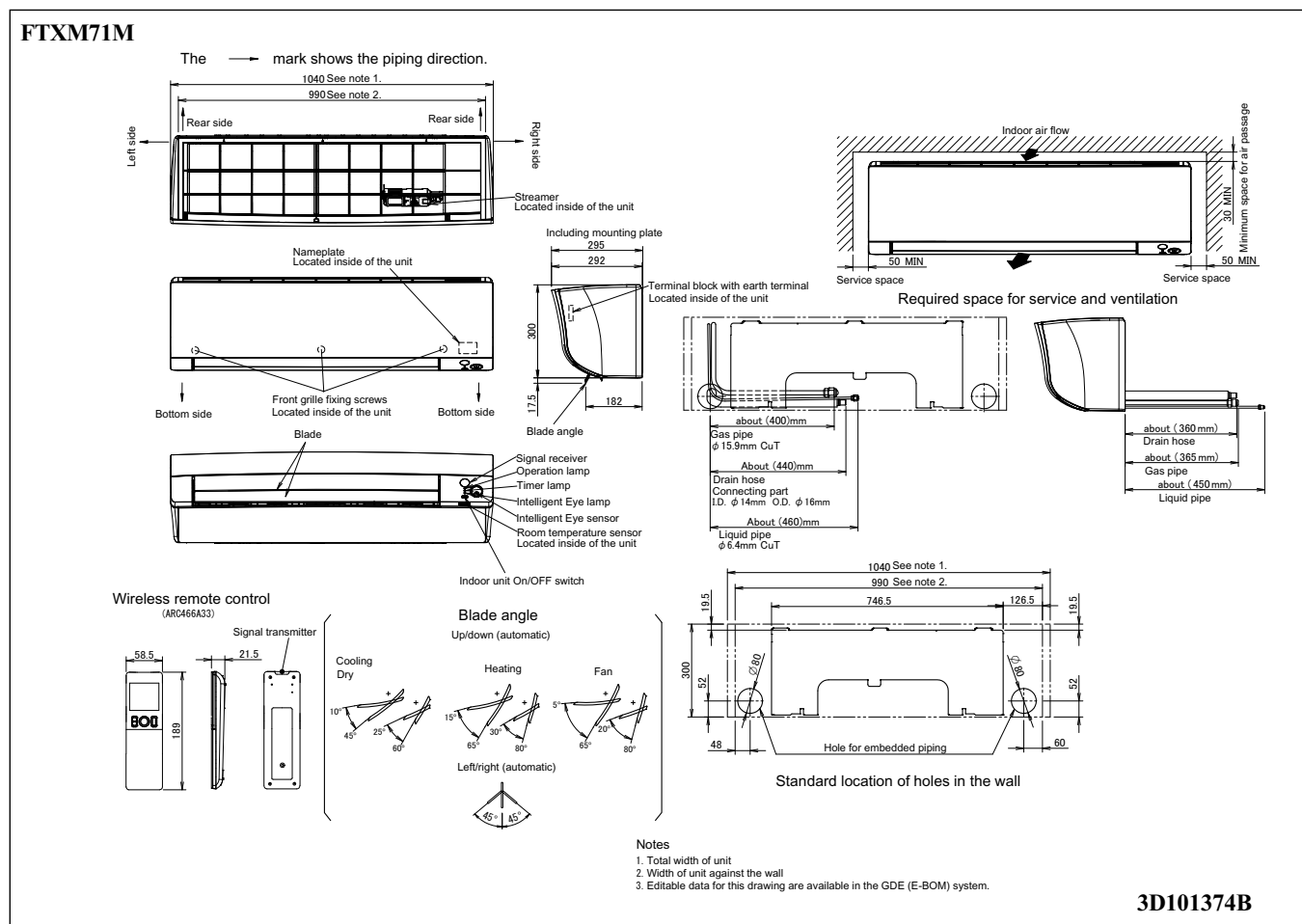
Standard location of holes in the wall



3D101370B

4 Dimensional drawings

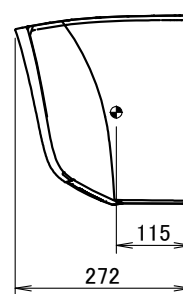
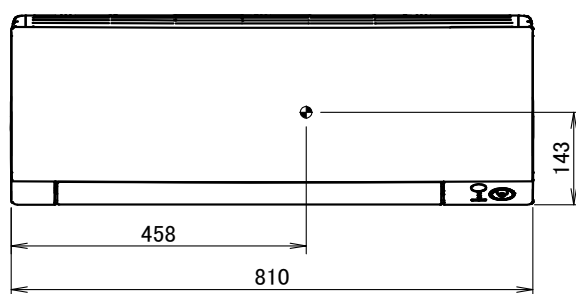
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

FTXM20-42M

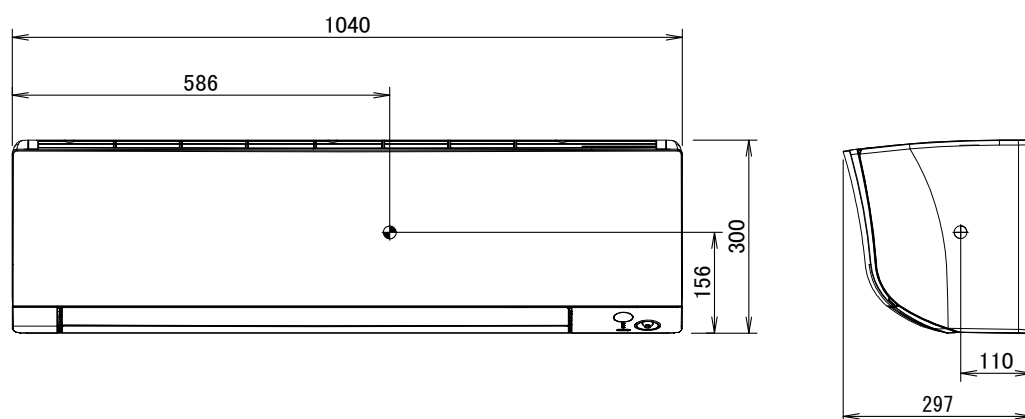


4D100152

5 Centre of gravity

5 - 1 Centre of Gravity

FTXM50-71M



4D101334

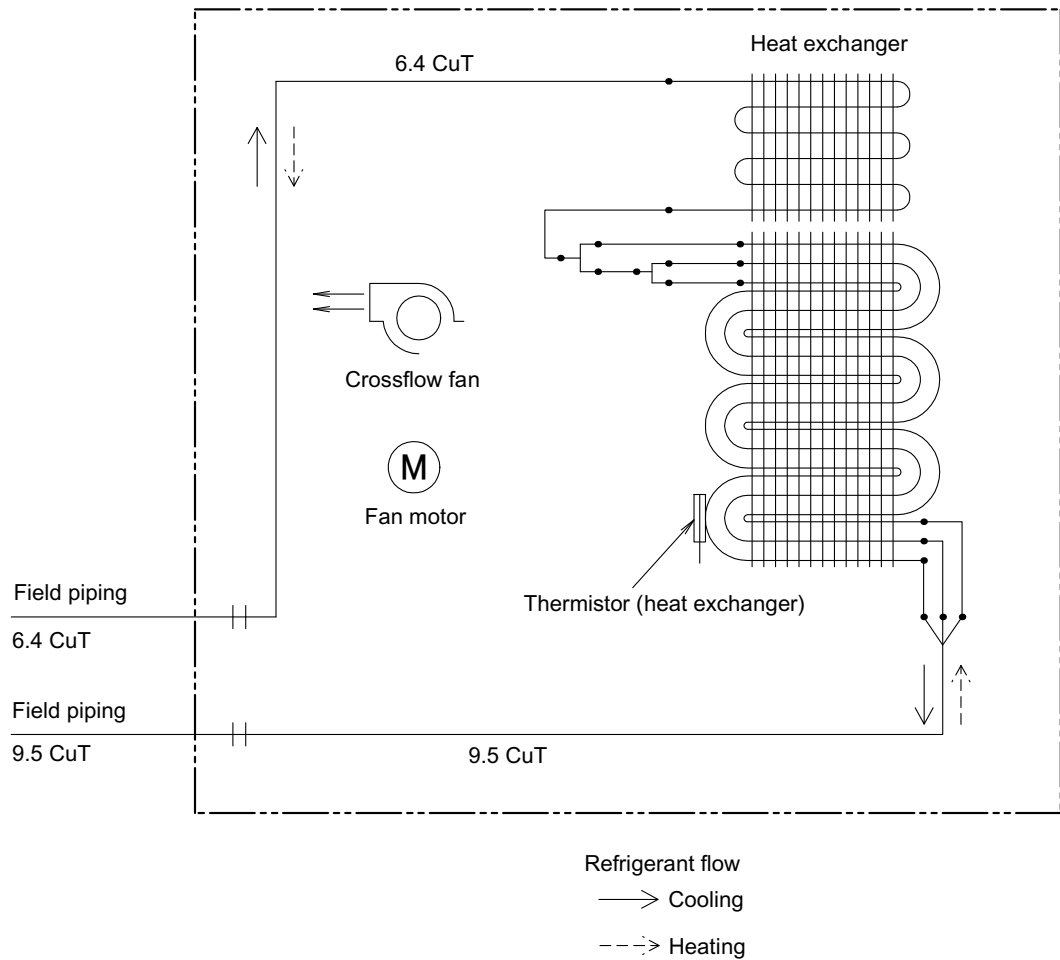
6 Piping diagrams

6 - 1 Piping Diagrams

FTXM20-35M

6

Indoor unit

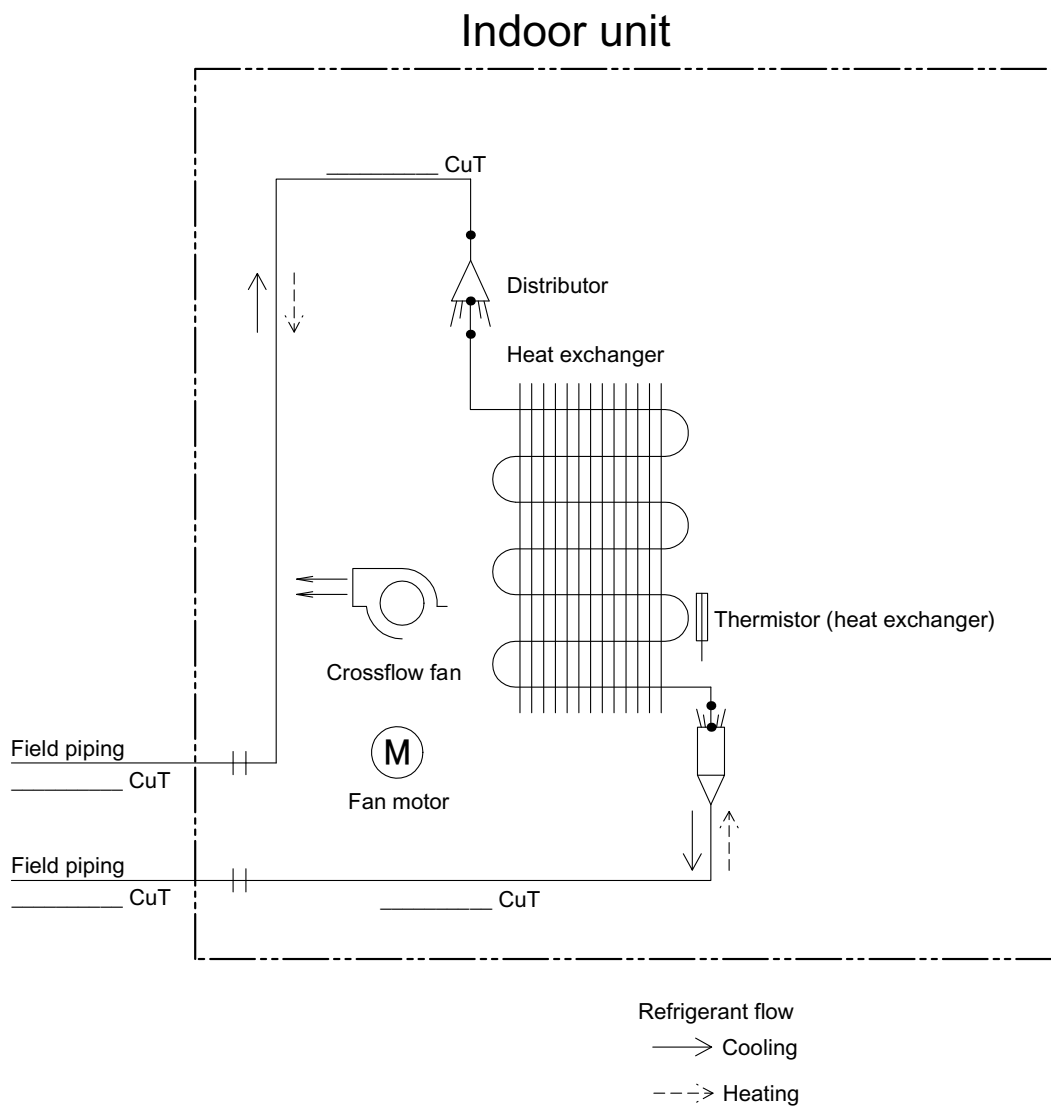


4D098106A

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM50-60M

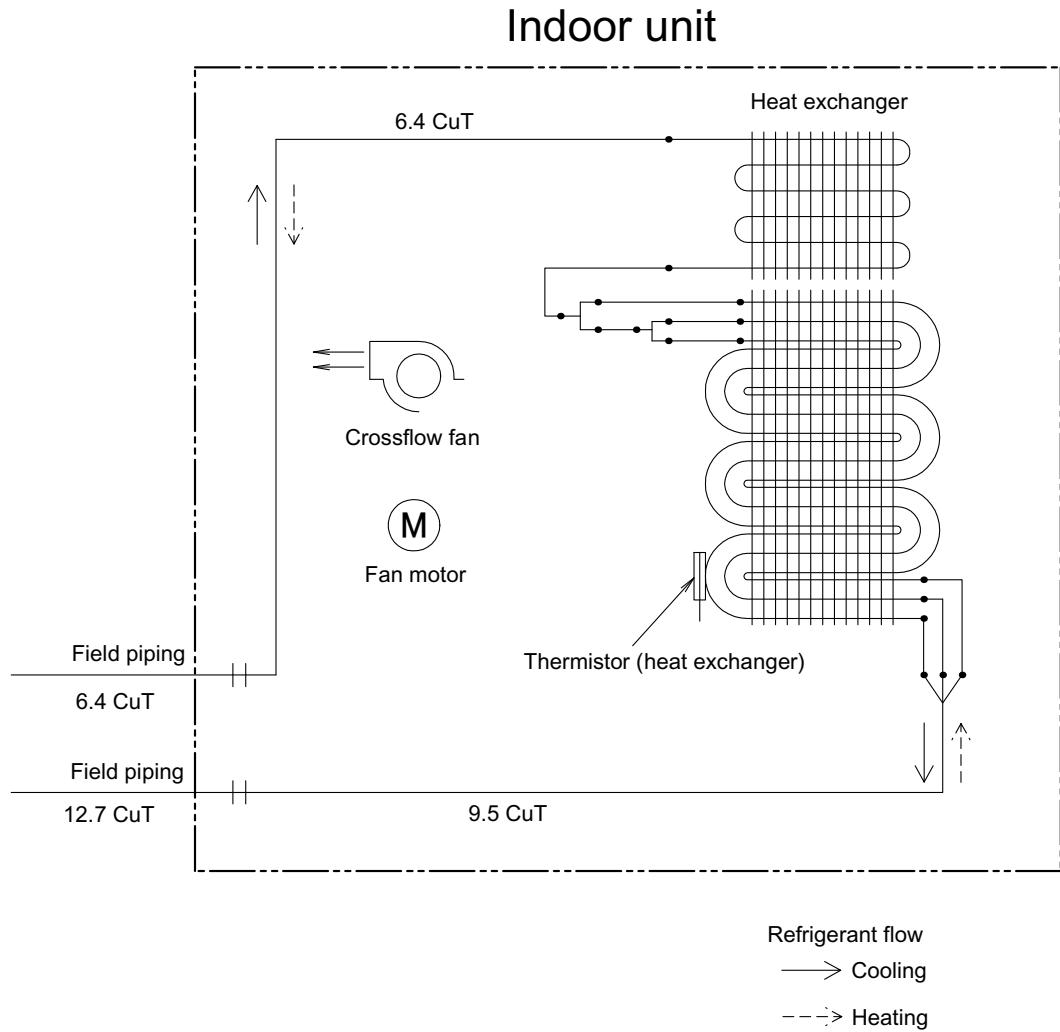


4D101332B

6 Piping diagrams

6 - 1 Piping Diagrams

FTXM42M



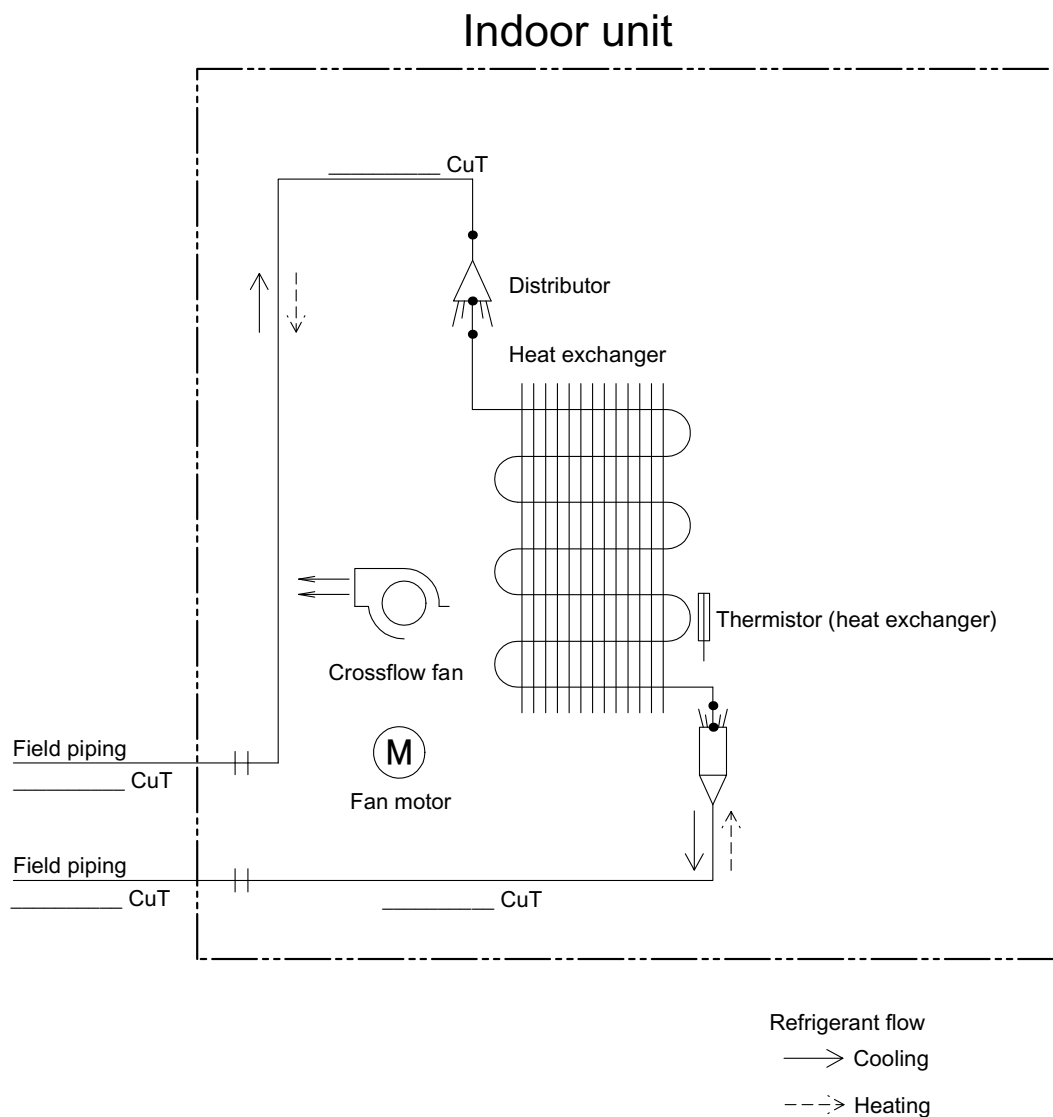
4D101820

6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXM71M

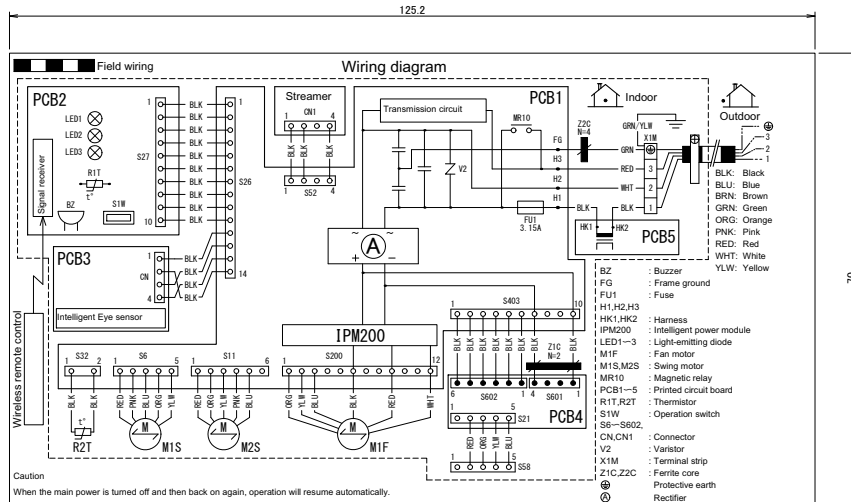


4D101337B

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXM20-42M

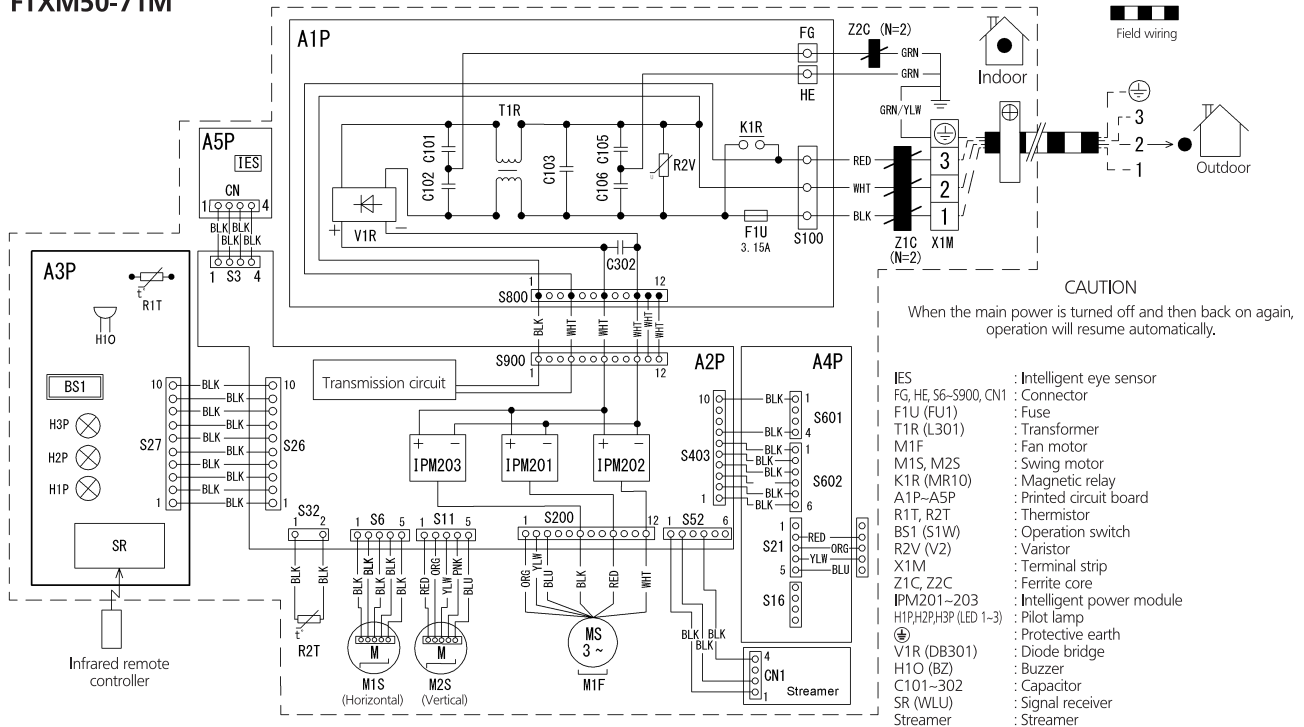


Notes

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

3D098117C

FTXM50-71M



Notes:

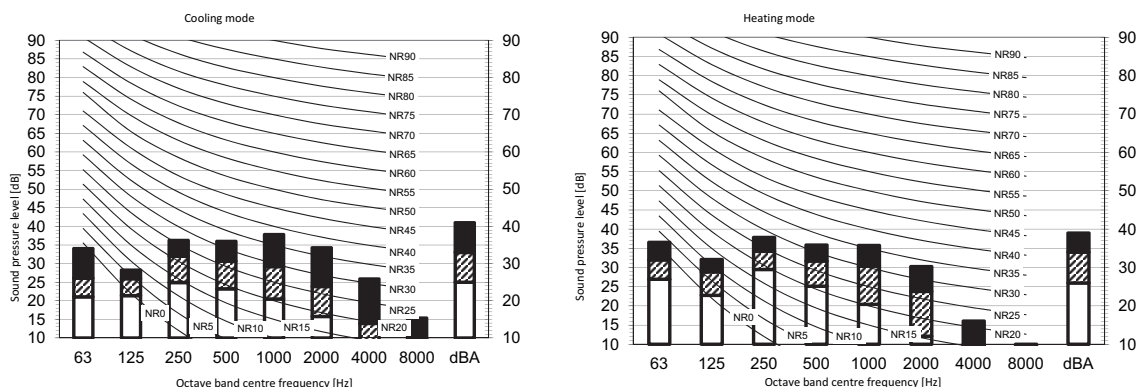
- 1 Size: length 65 x width 110
- 2 Refer to purchasing specification AS303002, unless otherwise specified.
- 3 PNK: Pink, GRN: Green, YLW: Yellow, ORG: Orange, BLK: Black, RED: Red, BLU: Blue, WHT: White

3D100231A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM20M



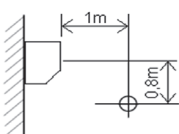
Legend

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



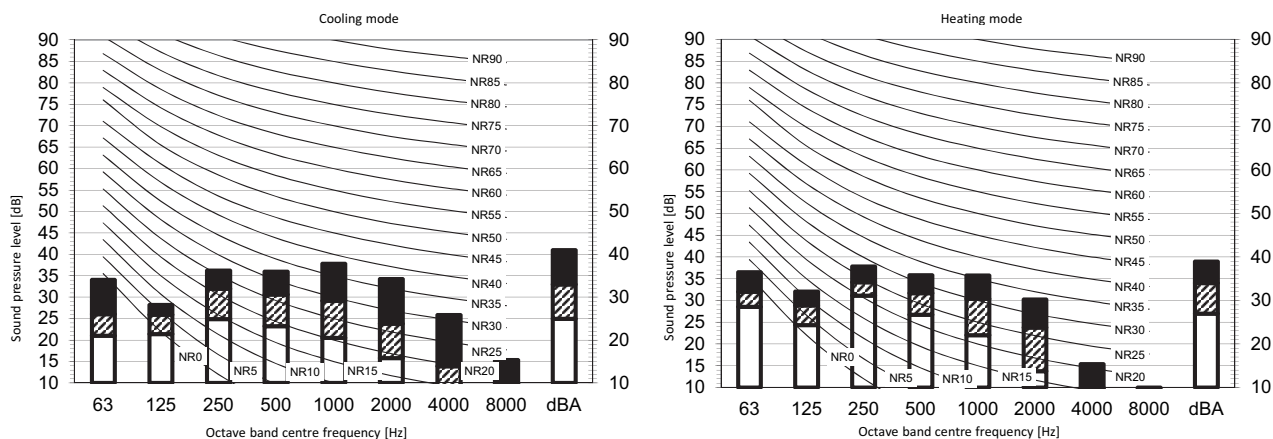
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	26

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



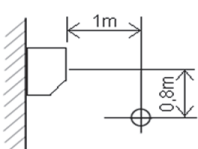
Legend

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

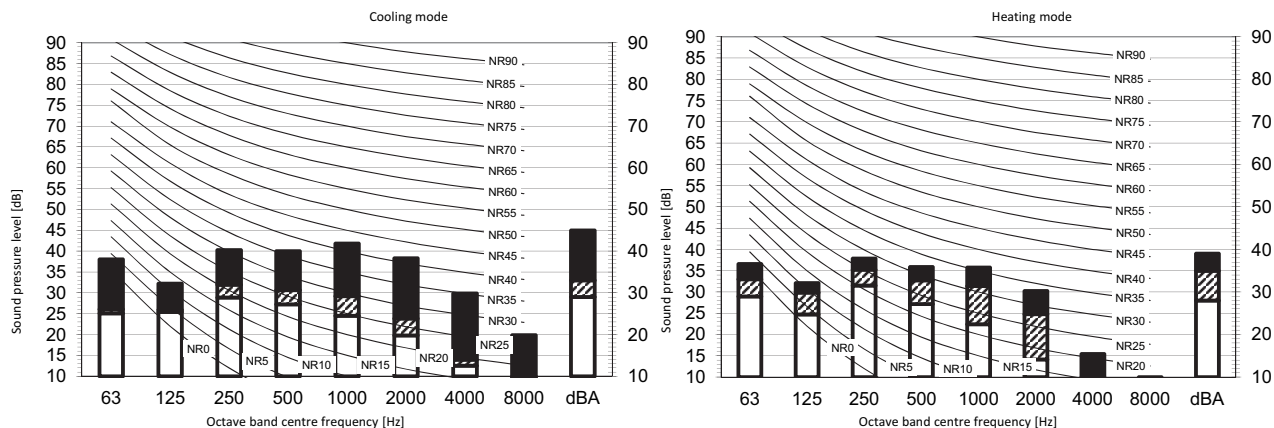
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101043A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM35M



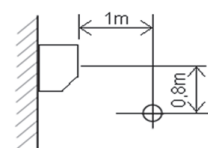
Legend

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



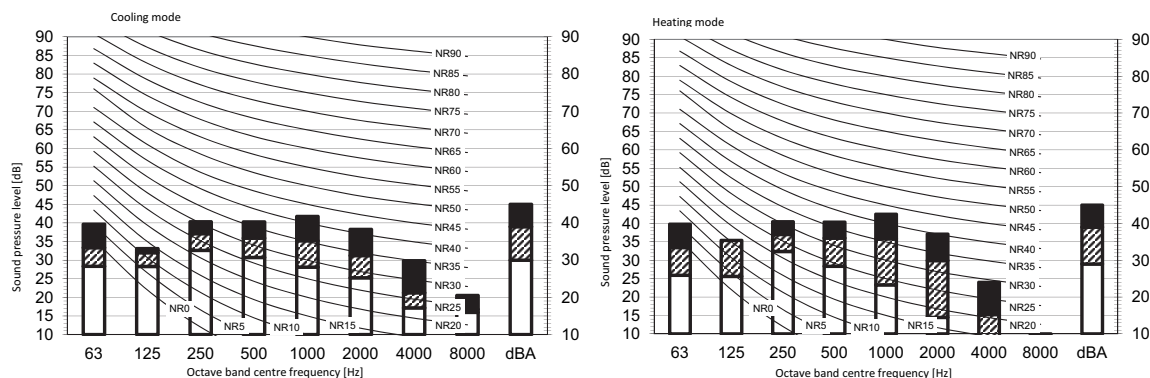
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	45	33	29	dBA	39	35	28

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

3D101044A

FTXM42M



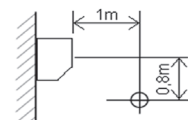
Legend

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

Notes

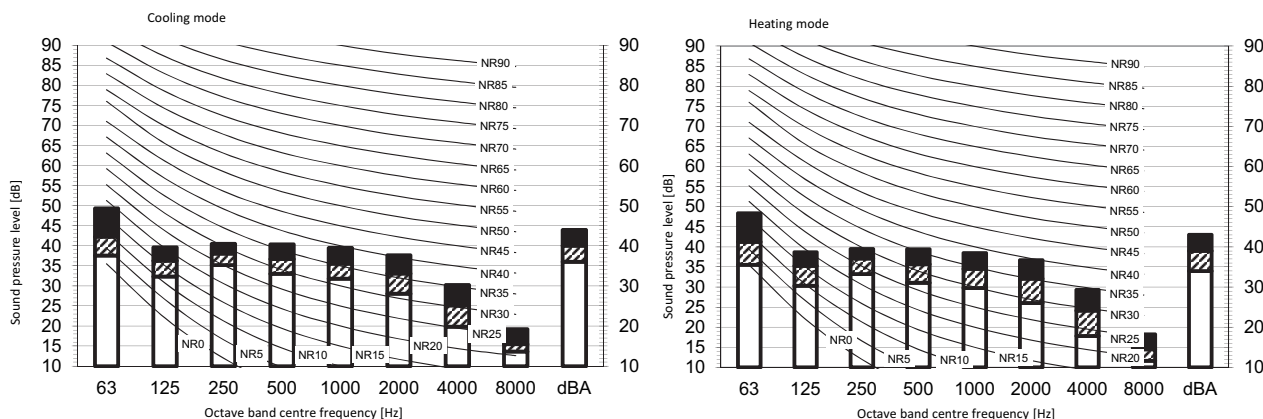
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D101045A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM50M



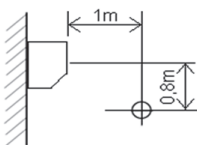
Legend

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



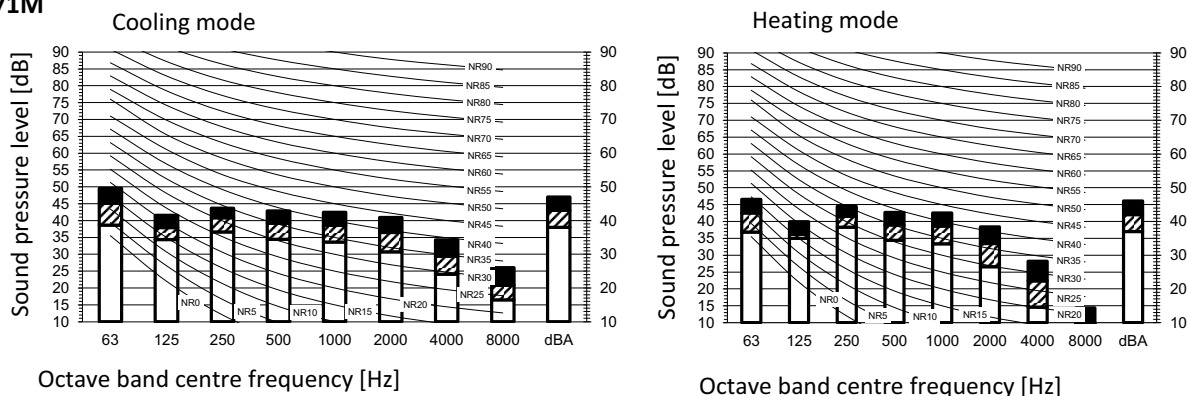
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	44	40	36	dBA	43	39	34

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

3D102203A

FTXM71M



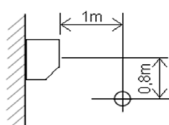
Legend

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	47	43	38	dBA	46	42	37

Notes

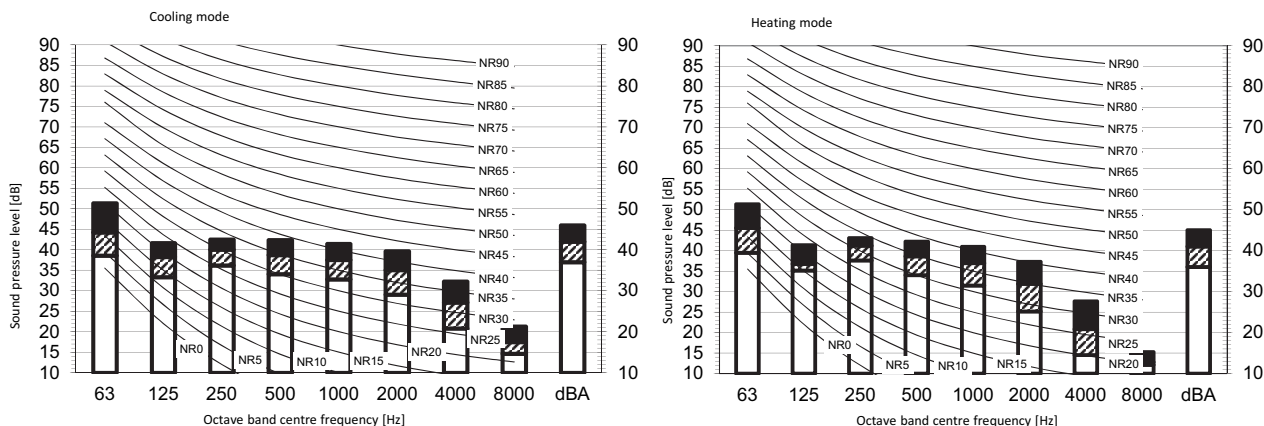
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D105084

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXM60M



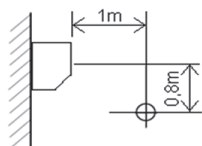
Legend

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 dBA

A	B	C	D
dBA	46	42	37

Heating Total dBA

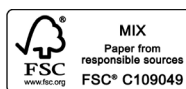
A	B	C	D
dBA	45	41	36

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



EEDEN18

06/18



Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages and Hydronic Heat Pumps, Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.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.