

Air Conditioning
Technical Data
FTXJ-MS, FTXJ-MW



- > FTXJ20MV1BS
- > FTXJ20MV1BW
- > FTXJ25MV1BS
- > FTXJ25MV1BW
- > FTXJ35MV1BS
- > FTXJ35MV1BW
- > FTXJ50MV1BS
- > FTXJ50MV1BW

TABLE OF CONTENTS

FTXJ-MS, FTXJ-MW

1	Features	2
	FTXJ-MS	2
	FTXJ-MW	3
2	Specifications	4
	Technical Specifications	4
	Electrical Specifications	5
3	Options	6
4	Dimensional drawings	7
5	Centre of gravity	8
6	Piping diagrams	9
7	Wiring diagrams	11
	Wiring Diagrams - Single Phase	11
8	Sound data	12
	Sound Pressure Spectrum	12

1 Features

1 - 1 FTXJ-MS

- Remarkable blend of iconic design and engineering excellence with a silver coloured elegant finish
- Daikin Emura has been awarded many times, thanks to its excellent design
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 2 area motion detection sensor: 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.
- 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



Econo mode	2 area motion detection 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	Silver allergen removal and air purifying filter
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								

1 Features

1 - 2 FTXJ-MW

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white
- Daikin Emura has been awarded many times, thanks to its excellent design
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 2 area motion detection sensor: 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.
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1



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Multi model application								

2 Specifications

2-1 Technical Specifications					FTXJ20MS	FTXJ20MW	FTXJ25MS	FTXJ25MW	FTXJ35MS	FTXJ35MW	FTXJ50MS	FTXJ50MW	
Power input	Cooling	Nom.	kW		0.023				0.033				
	Heating	Nom.	kW		0.031		0.033		0.042		0.043		
Casing	Colour				Silver	White	Silver	White	Silver	White	Silver	White	
Dimensions	Unit	Height/Width/Depth	mm		303/998/212								
	Packed unit	Height/Width/Depth	mm		322/1,101/389								
Weight	Unit		kg		12								
	Packed unit		kg		16								
Packing	Weight		kg		4								
Heat exchanger	Length		mm		610								
	Rows	Quantity			2								
	Fin pitch		mm		1.20								
	Stages	Quantity			18								
	Passes	Quantity			3.00						1.97		
	Tube type			Ø6.35 Hi-XB									
	Fin	Type			Multi slit fin								
	Air filter	Type				Removable / washable							
Fan	Type				Cross flow fan								
	Air flow rate	Cooling	High	m³/min	8.9				10.9				
				cfm	313				385				
			Medium	m³/min	6.6				7.8		8.9		
				cfm	234				276		313		
			Low	m³/min	4.4				4.8		6.8		
				cfm	155				168		239		
			Silent operation	m³/min	2.6				2.9		3.6		
				cfm	91				102		128		
			Heating	High	m³/min	10.2		11.0		12.4		12.6	
					cfm	361		388		438		446	
				Medium	m³/min	8.4		8.6		9.6		10.5	
					cfm	298		303		340		372	
				Low	m³/min	6.3				6.9		8.1	
					cfm	223				245		284	
				Silent operation	m³/min	3.8				4.1		5.0	
					cfm	133				144		176	
Fan motor	Quantity				-	1	-	1	-	1	-	1	
	Model				KFD-280-40-8G1								
	Speed	Steps			5 + silent, + auto								
		Cooling	High/Medium/Low/Silent operation	rpm	1,440/1,140/840/600				1,710/1,300/890/640		1,710/1,440/1,160/740		
	Heating	High/Medium/Low/Silent operation	rpm	1,620/1,380/1,100/760		1,720/1,400/1,100/760		1,910/1,540/1,180/800		1,940/1,660/1,330/920			
Output		Rated		W		29							
Sound power level	Cooling			dBA	54				59		60		
Sound pressure level	Cooling	High/Medium/Low/Silent operation		dBA	38/32/25/19				45/34/26/20		46/40/35/25		
	Heating	High/Medium/Low/Silent operation		dBA	40/34/28/19		41/34/28/19		45/37/29/20		47/41/35/25		
Control systems	Infrared remote control				ARC466A9								
Refrigerant	Type				R-32								

2 Specifications

2-1 Technical Specifications			FTXJ20MS	FTXJ20MW	FTXJ25MS	FTXJ25MW	FTXJ35MS	FTXJ35MW	FTXJ50MS	FTXJ50MW
Piping connections	Liquid	OD	6,35							
	Gas	OD	9.50						12.70	
	Drain		18							
	Heat insulation		Both liquid and gas pipes							
Temperature control			Microcomputer control							
Air direction control			Right, Left, Horizontal, Downward							

Standard Accessories : Operation manual; 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 : Remote control holder; Quantity : 1;
 Standard Accessories : Fixing screws for mounting plate; Quantity : 5;
 Standard Accessories : Mounting plate; Quantity : 1;
 Standard Accessories : Titanium apatite deodorizing filter; Quantity : 2;
 Standard Accessories : Fixing screw for remote controller holder; Quantity : 2;
 Standard Accessories : Indoor unit fixing screws; Quantity : 2;
 Standard Accessories : Screw cover; Quantity : 2;
 Standard Accessories : WLAN adapter kit; Quantity : 1;

2-2 Electrical Specifications				FTXJ20MS	FTXJ20MW	FTXJ25MS	FTXJ25MW	FTXJ35MS	FTXJ35MW	FTXJ50MS	FTXJ50MW
Power supply	Name			V1							
	Phase			1~							
	Frequency		Hz	50							
	Voltage		V	220-240							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.12				0.16			
		Heating	A	0.15		0.16		0.21		0.22	
Wiring connections - 50Hz	For power supply	Quantity		3							
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)							

Notes

220V
 230V
 240V

3 Options

3 - 1 Options

3

FTXJ-MW

FTXJ-MS

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXJ20MV1BW	20	EMUR02	DCZ
Wired remote control	BRC944B2		FTXJ20MV1BS	20	EMUR02	DCZ
Extension cord for wired remote control (3m)	BRCW901A03		FTXJ25MV1BW	25	EMUR02	DCZ
Extension cord for wired remote control (5m)	BRCW901A08		FTXJ25MV1BS	25	EMUR02	DCZ
Interface adaptor for wired remote control	KRP980B1		FTXJ35MV1BW	35	EMUR02	DCZ
Interface adaptor for wired remote control	EKRP067A41		FTXJ35MV1BS	35	EMUR02	DCZ
Interface adaptor for wired remote control	EKRP980B2		FTXJ50MV1BW	50	EMUR02	DCZ
Centralised control board (up to 5 rooms)	KRC72A		FTXJ50MV1BS	50	EMUR02	DCZ
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413A81S					
Wi-Fi adaptor for smartphones	BRP069B41	④⑤				
Wi-Fi adaptor for smartphones	BRP069B42	⑤				
Wi-Fi adaptor for smartphones	BRP069B43	⑤				
Wi-Fi adaptor for smartphones	BRP069A44	⑥				
Wi-Fi adaptor for smartphones	BRP069B45	⑤				
Interface adaptor for DIII-NET	KRP928B82S					
Central remote control	DCS302CA51					
Unified ON/OFF controller	DCS301BA51					
Schedule timer	DST301BA51					
Titanium apatite deodorising filter without frame	KAF971A42	①				
Titanium apatite deodorising filter without frame	KAF952B42	③				
Titanium apatite deodorising filter without frame	KAF970A46	②				
Honeycomb deodorising and air-purifying filter without frame	KAF968A42					
Honeycomb deodorising filter with frame	KAZ917B41					
Honeycomb deodorising filter without frame	KAZ917B42					
Air-purifying filter with frame	KAF925B41					
Honeycomb deodorising and air-purifying filter with frame	KAF046A41					
Anti-theft protection for remote control	KKF910AA4					
Anti-theft protection for remote control	KKF917AA4					
Anti-theft protection for remote control	KKF936A4					
Installation frame for floor-standing units	BKS028A4					
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	⑦				

Legend

Notes

1. R32 models

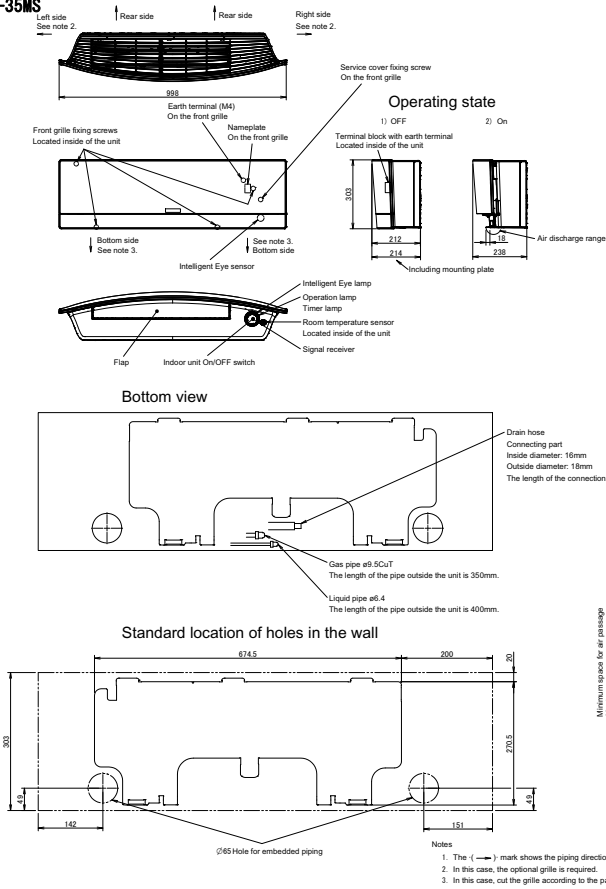
- ① Three-dimensional knitted fabric (42x275mm) + activated charcoal net
- ② Three-dimensional knitted fabric (42x255mm) + activated charcoal net
- ③ Corrugated fiberboard (42x275mm)
- ④ Without connection cable
- ⑤ Option BRP069A** was replaced by option BRP069B**.
- ⑥ This option is no longer produced.
- ⑦ Only for France

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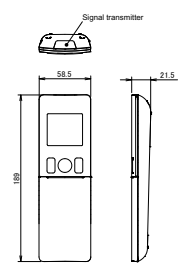
4 Dimensional drawings

4 - 1 Dimensional Drawings

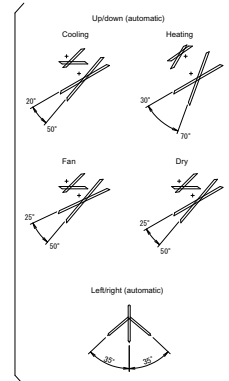
FTXJ20-35MW FTXJ20-35MS



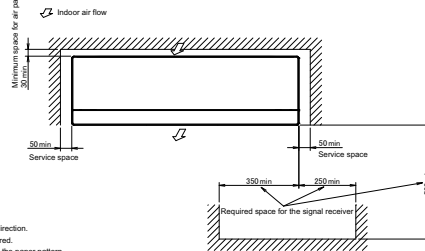
Wireless remote control (ARC466A9)



Blade angle

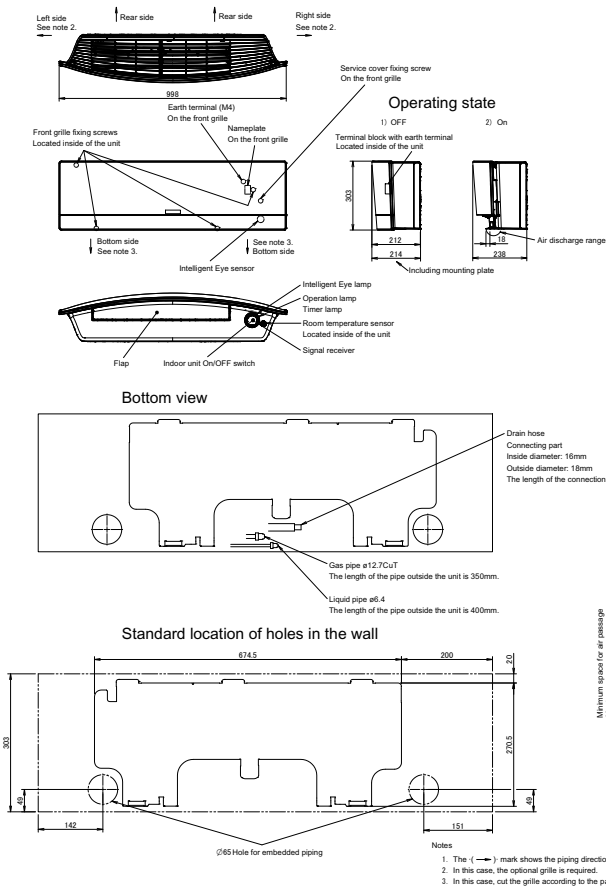


Required space for service and ventilation

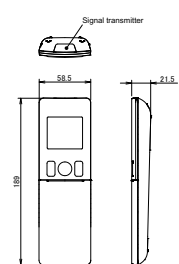


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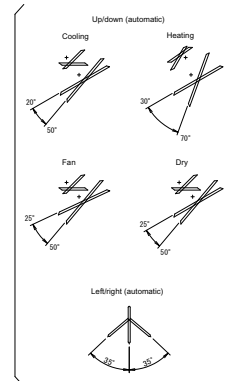
FTXJ50MW FTXJ50MS



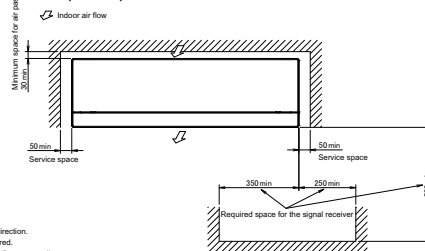
Wireless remote control (ARC466A9)



Blade angle



Required space for service and ventilation

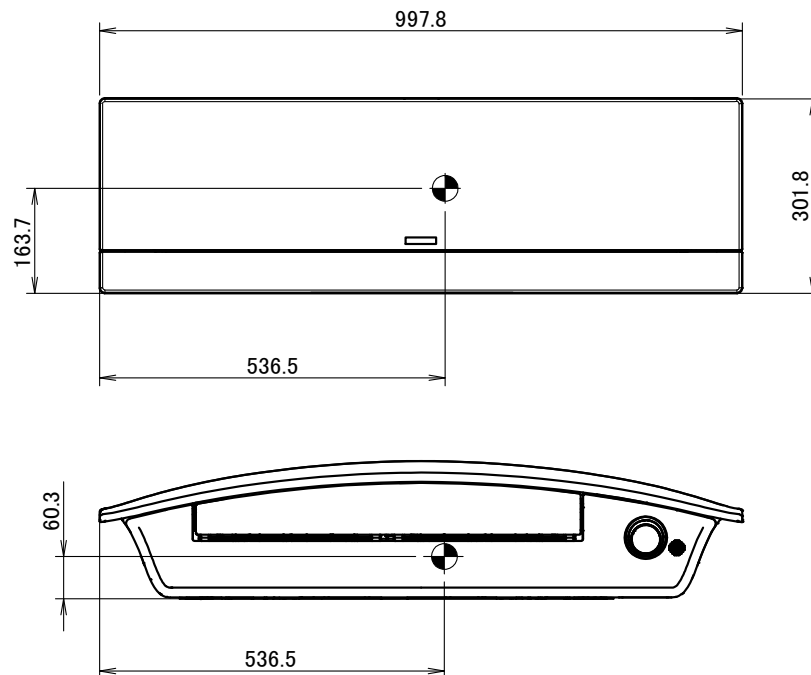


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXJ-MW
FTXJ-MS

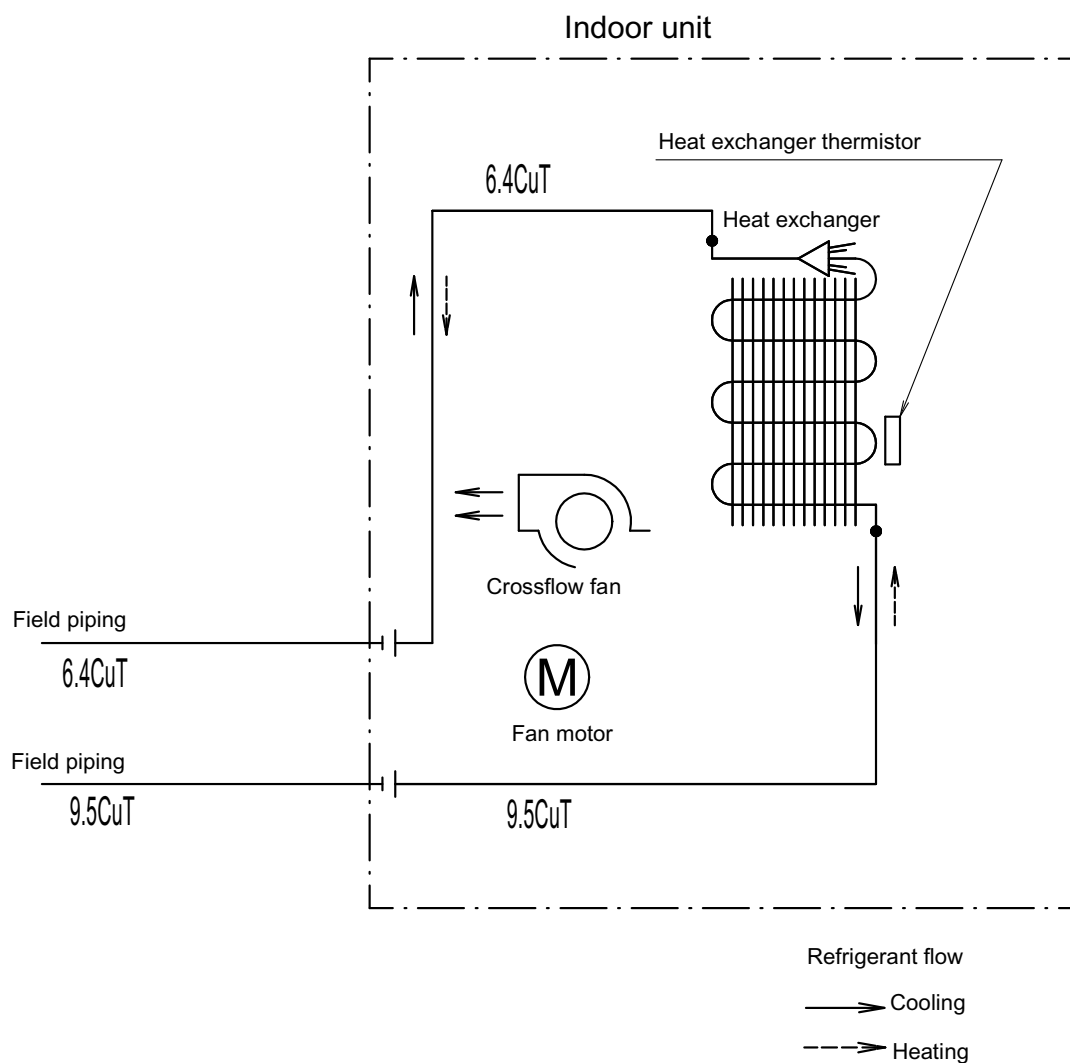


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXJ20-35MW
FTXJ20-35MS

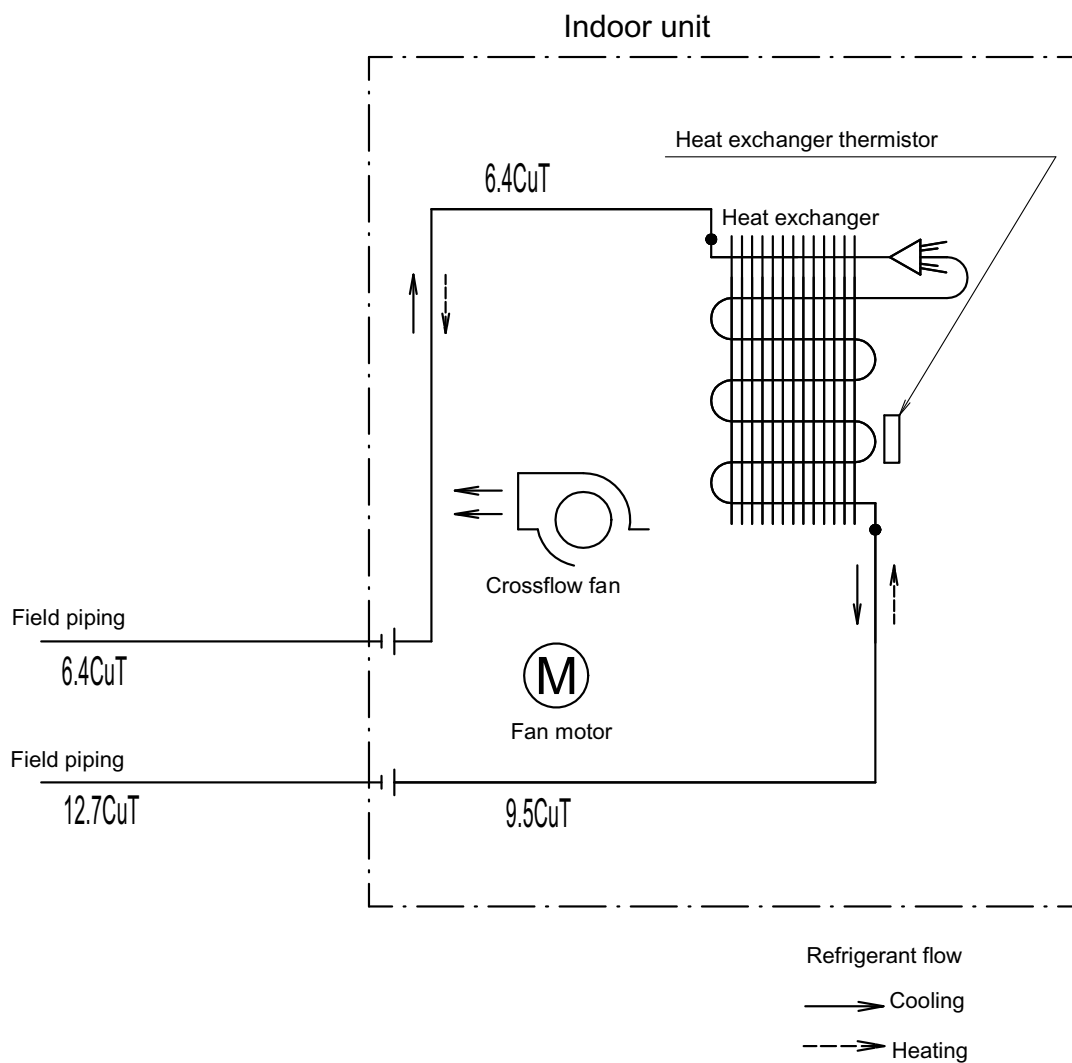


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXJ50MW
FTXJ50MS

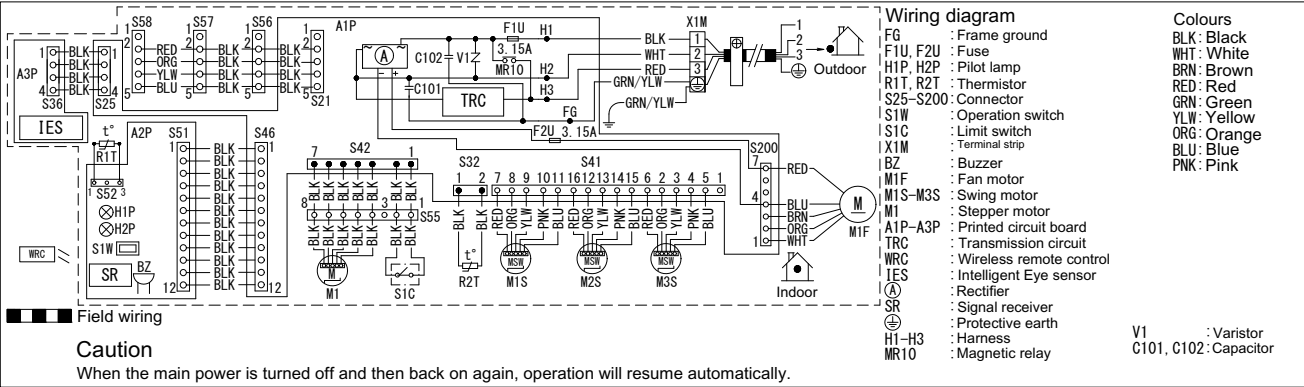


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXJ-MW FTXJ-MS



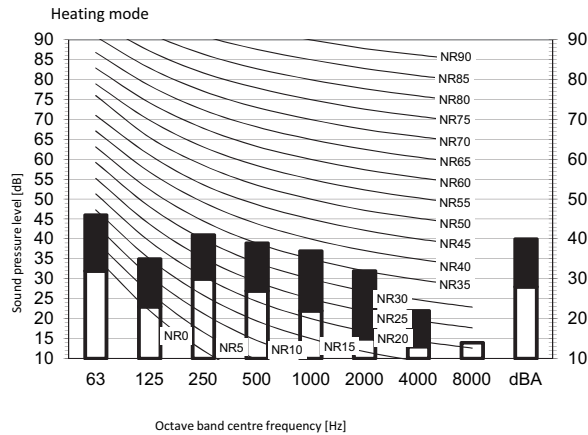
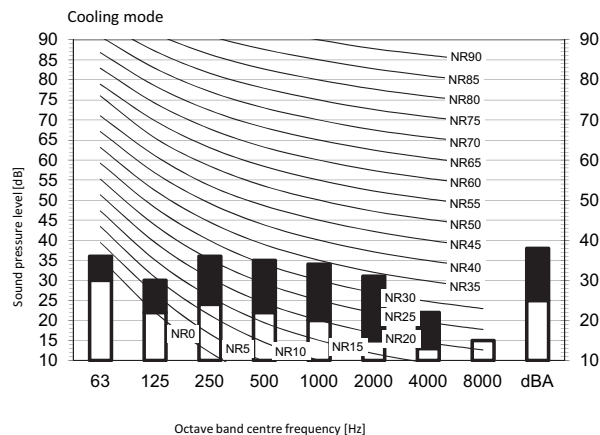
Notes
1. Size: length 62 X width 210.
2. Refer to purchasing specification AS303002, unless otherwise specified.

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXJ20MW FTXJ20MS



Legend

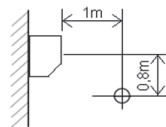
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling

Total dBA

A	B	C
dBA	38	25

Heating

Total dBA

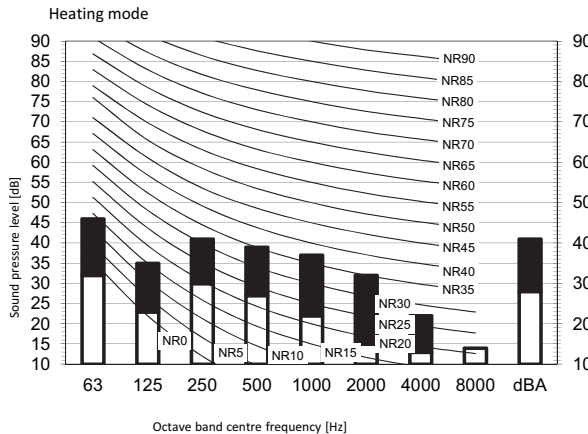
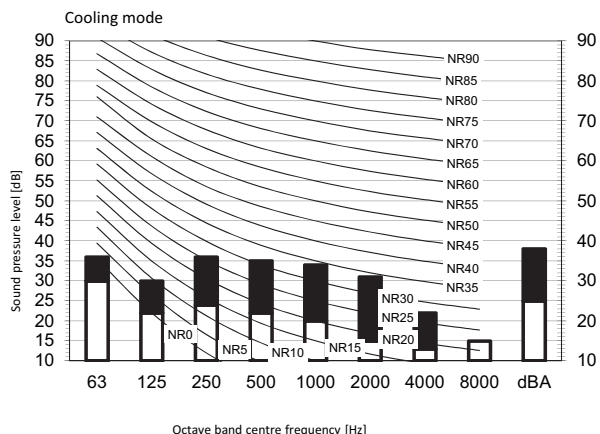
A	B	C
dBA	40	28

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

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FTXJ25MW FTXJ25MS



Legend

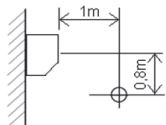
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling

Total dBA

A	B	C
dBA	38	25

Heating

Total dBA

A	B	C
dBA	41	28

Notes

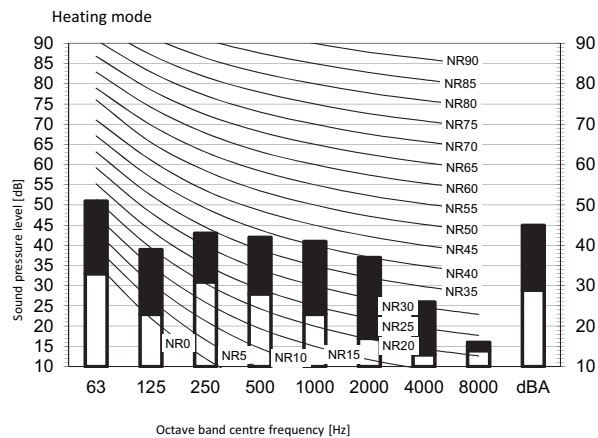
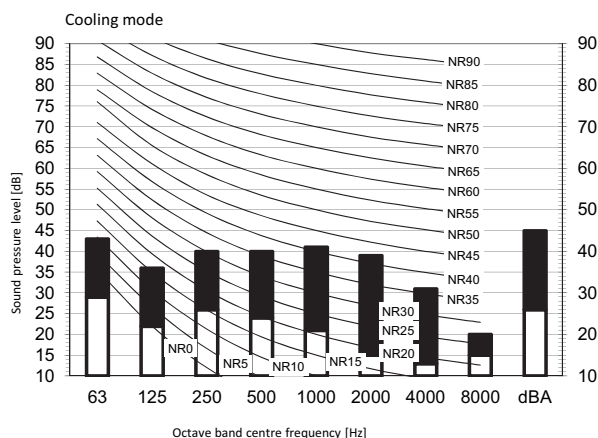
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXJ35MW
FTXJ35MS



Cooling Total dB

A	B	C
dBA	45	26

Heating Total dB

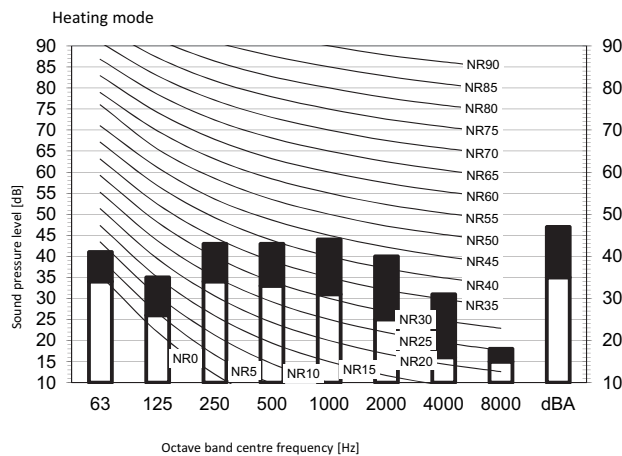
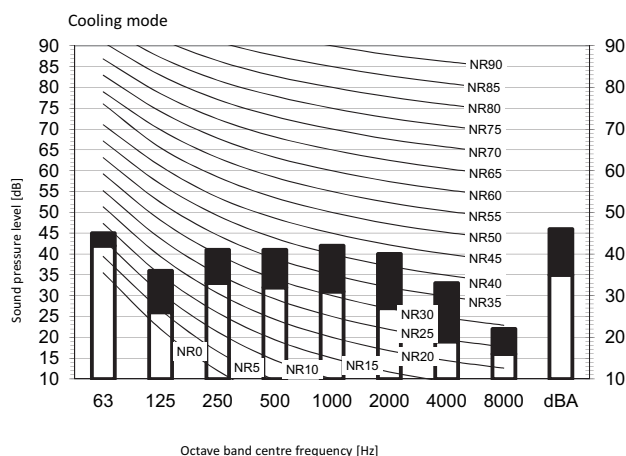
A	B	C
dBA	45	29

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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FTXJ50MW
FTXJ50MS



Cooling Total dB

A	B	C
dBA	46	35

Heating Total dB

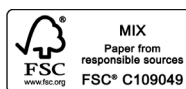
A	B	C
dBA	47	35

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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