

Air Conditioning
Technical Data
FTXJ-MS, FTXJ-MW



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

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FTXJ-MS, FTXJ-MW

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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

1































								
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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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								
	Packed unit			kg								
Packing	Weight			kg								
Heat exchanger	Length			mm								
	Rows	Quantity		2								
	Fin pitch			mm								
	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	m ³ /min	8.9				10.9			
				cfm	313				385			
			Medium	m ³ /min	6.6				7.8		8.9	
				cfm	234				276		313	
			Low	m ³ /min	4.4				4.8		6.8	
		cfm		155				168		239		
		Silent operation	m ³ /min	2.6				2.9		3.6		
			cfm	91				102		128		
		Heating	High	m ³ /min	10.2	11.0		12.4		12.6		
				cfm	361	388		438		446		
	Medium		m ³ /min	8.4	8.6		9.6		10.5			
			cfm	298	303		340		372			
	Low		m ³ /min	6.3				6.9		8.1		
cfm			223				245		284			
Silent operation	m ³ /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								
Sound power level	Cooling			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		Class		Casing		Factory								
				EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Wired remote control	BRC073A1		20	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Wired remote control	BRC944B2		20	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Extension cord for wired remote control (3m)	BRCW901A03		25	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Extension cord for wired remote control (5m)	BRCW901A08		35	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Interface adaptor for wired remote control	KRP980B1		50	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2	EMUR2
Interface adaptor for wired remote control	EKRPO67A41																			
Interface adaptor for wired remote control	EKR980B2																			
Centralised control board (up to 5 rooms)	KRC72A																			
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

3D095173P

4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXJ20-35MW
FTXJ20-35MS

Operating state
1) OFF 2) On

Wireless remote control
(ARC466A9)

Blade angle
Updown (automatic)
Cooling Heating
Fan Dry
Left/right (automatic)

Standard location of holes in the wall

Required space for service and ventilation
Indoor air flow

2D092462A

FTXJ50MW
FTXJ50MS

Operating state
1) OFF 2) On

Wireless remote control
(ARC466A9)

Blade angle
Updown (automatic)
Cooling Heating
Fan Dry
Left/right (automatic)

Standard location of holes in the wall

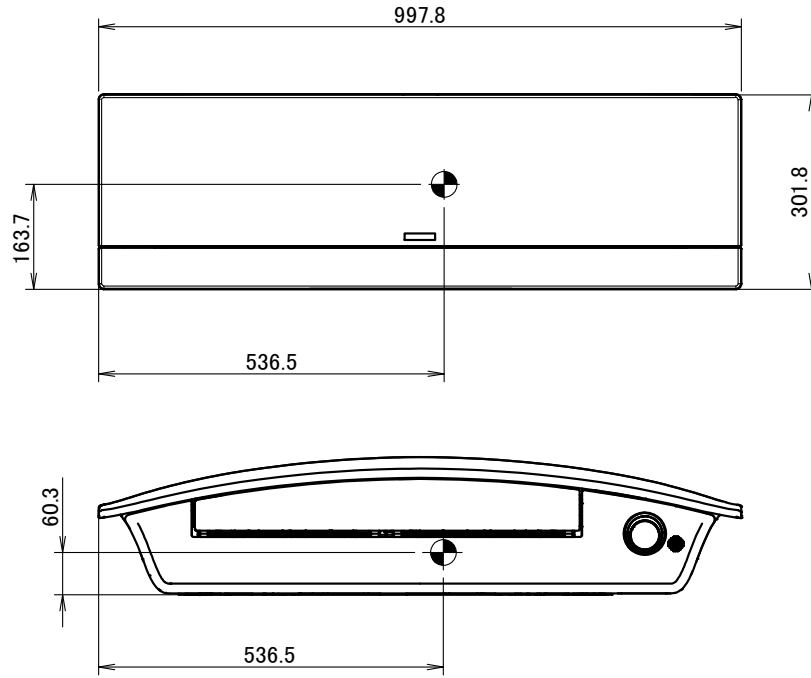
Required space for service and ventilation
Indoor air flow

2D092503A

5 Centre of gravity

5 - 1 Centre of Gravity

FTXJ-MW
FTXJ-MS



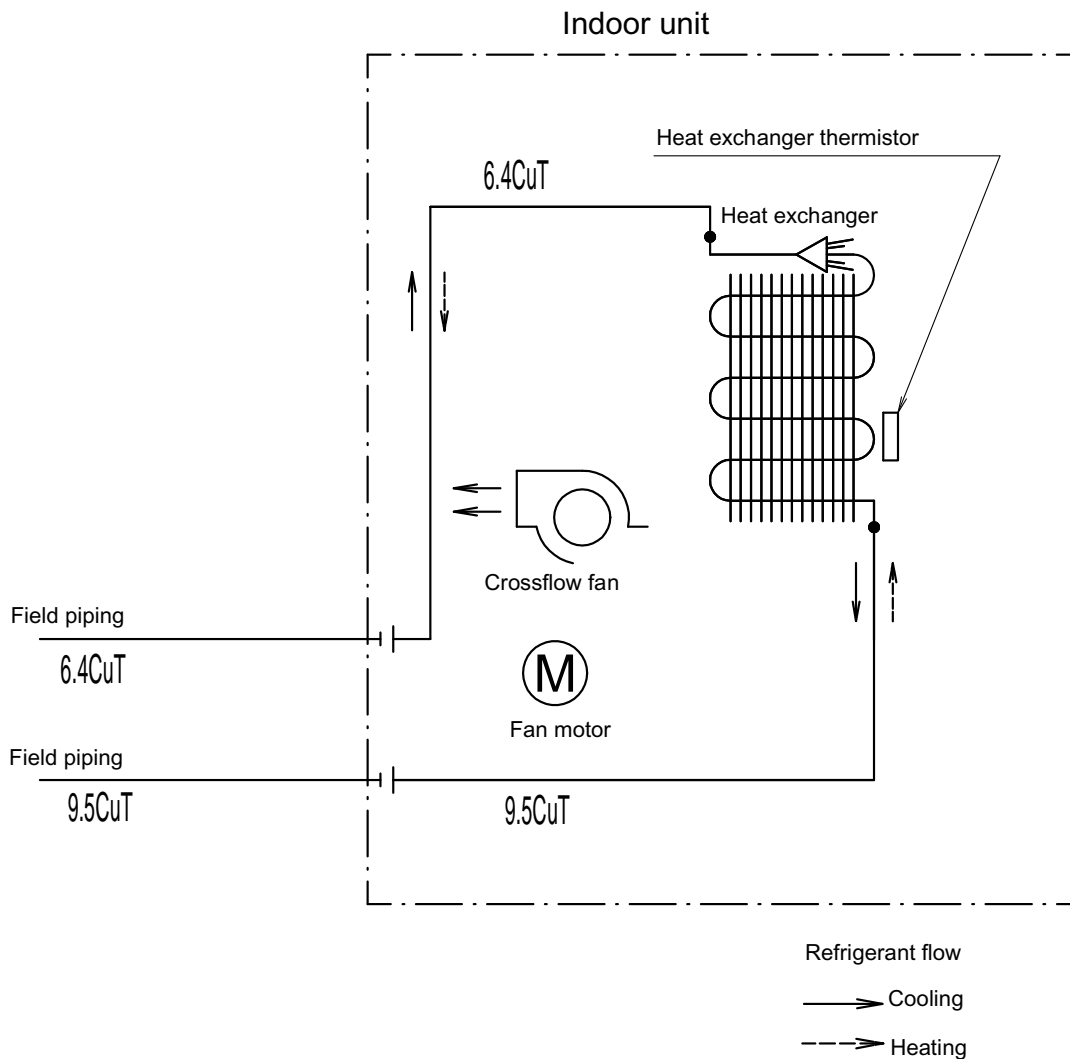
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4D086660D

6 Piping diagrams

6 - 1 Piping Diagrams

FTXJ20-35MW
FTXJ20-35MS



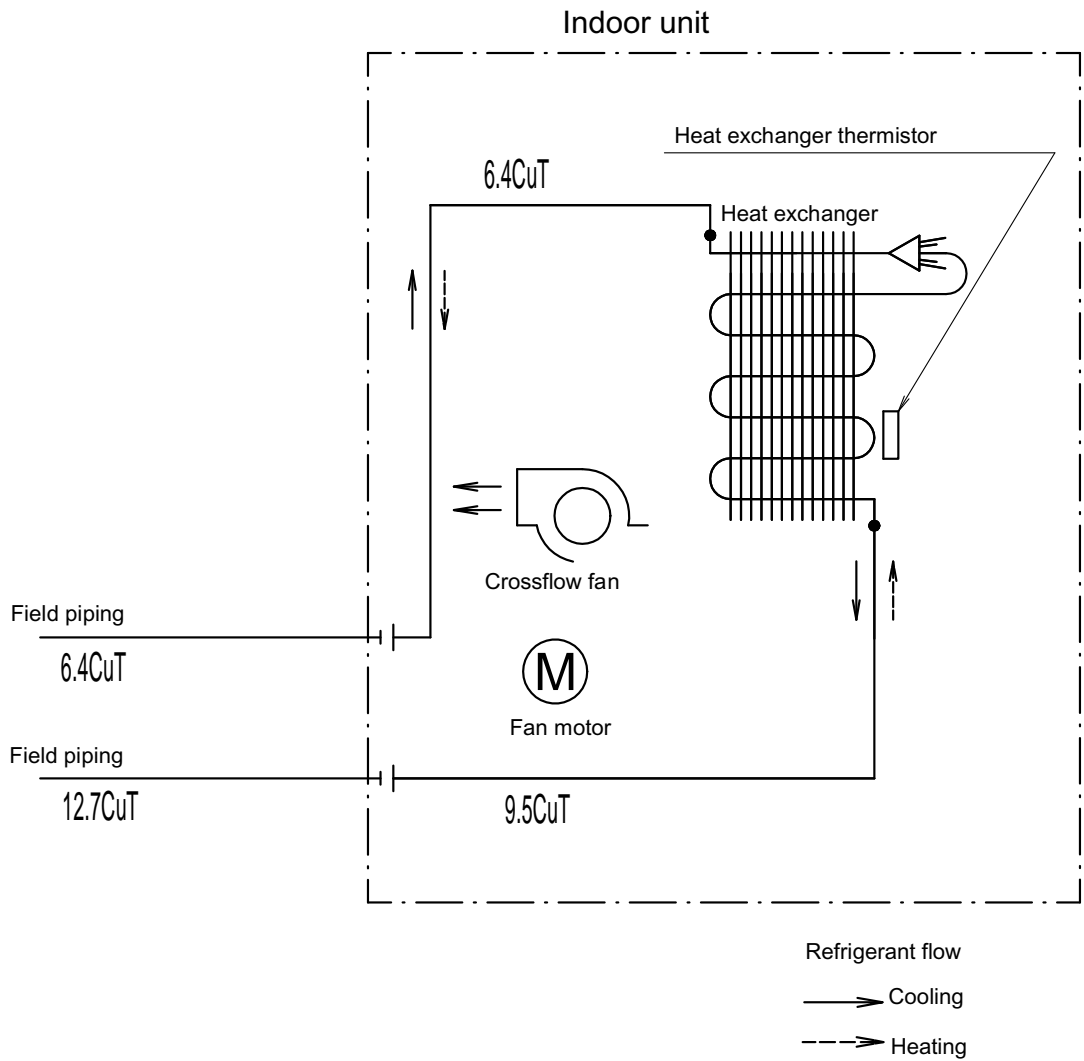
4D085645D

6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXJ50MW
FTXJ50MS

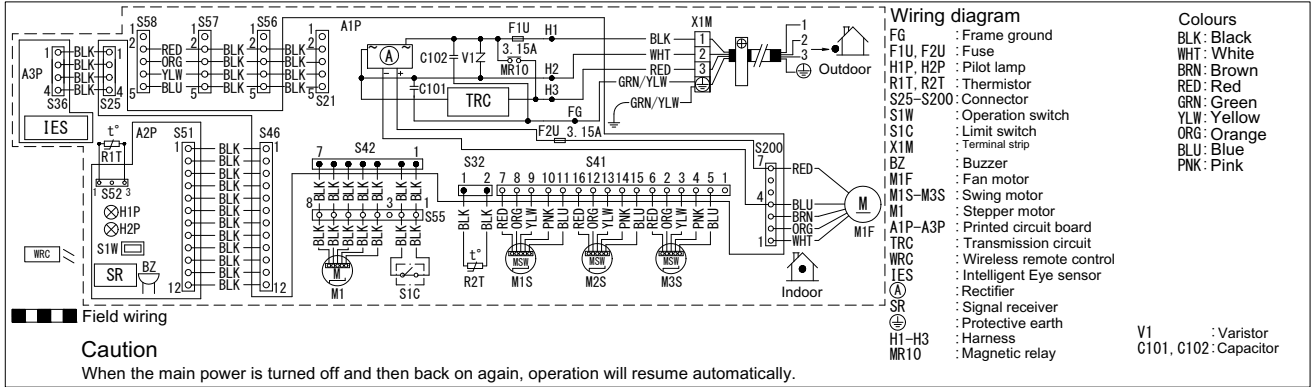


4D092075A

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.

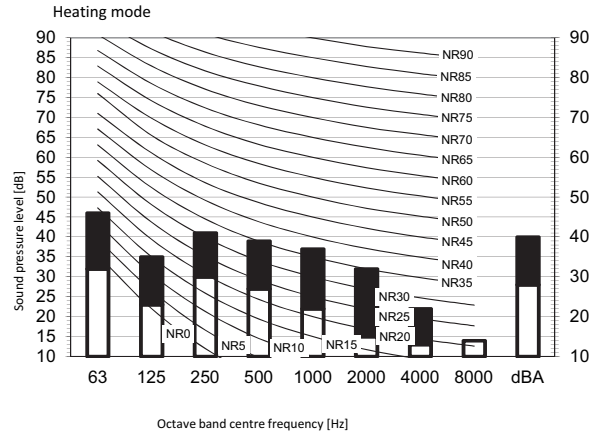
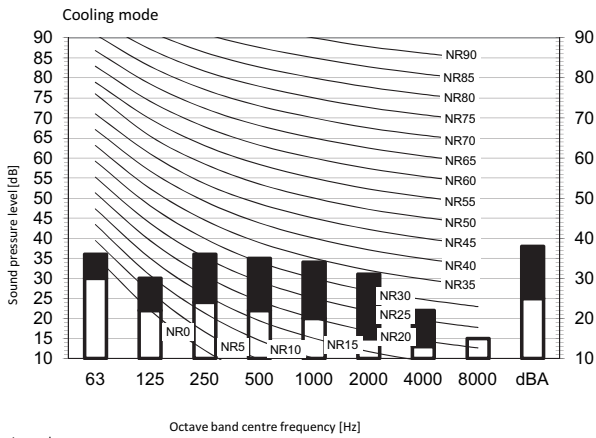
3D085644H

8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXJ20MW FTXJ20MS



Legend

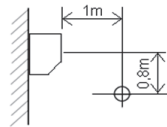
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling		Total dB	
A	B	C	
dBA	38	25	

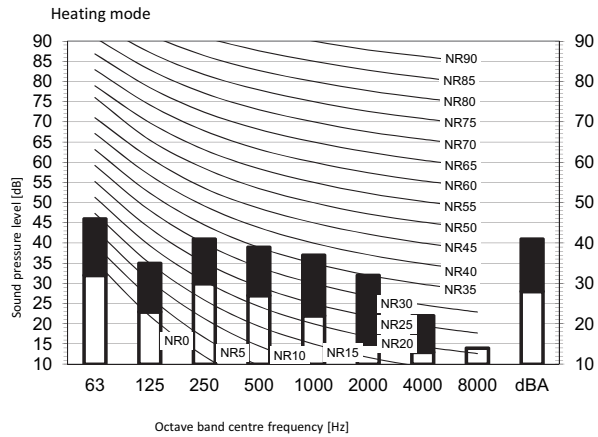
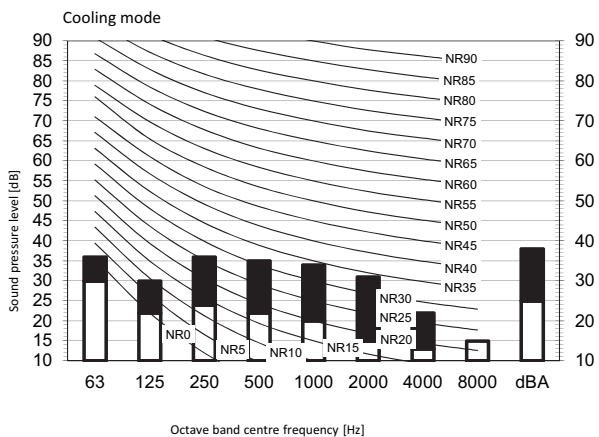
Heating		Total dB	
A	B	C	
dBA	40	28	

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

3D092362A

FTXJ25MW FTXJ25MS



Legend

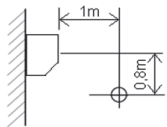
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling		Total dB	
A	B	C	
dBA	38	25	

Heating		Total dB	
A	B	C	
dBA	41	28	

Notes

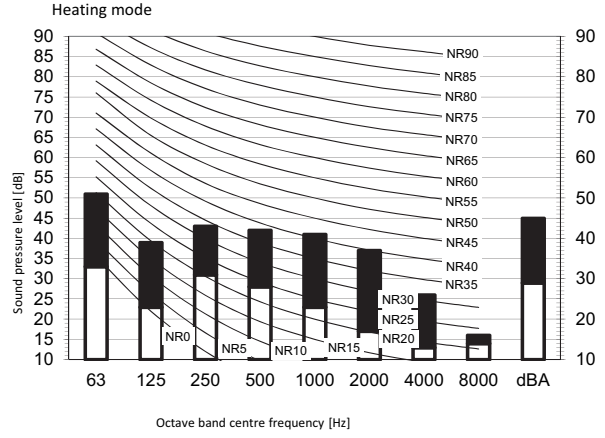
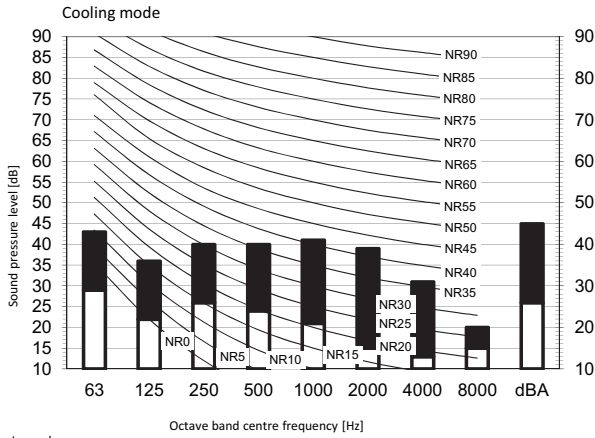
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D092361A

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXJ35MW
FTXJ35MS



Legend

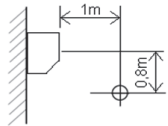
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	45	26

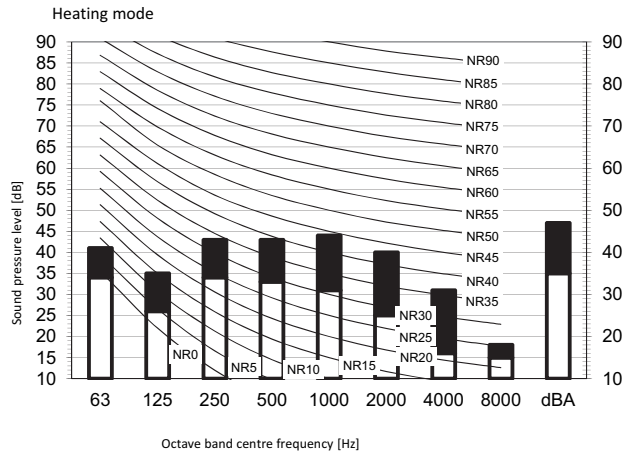
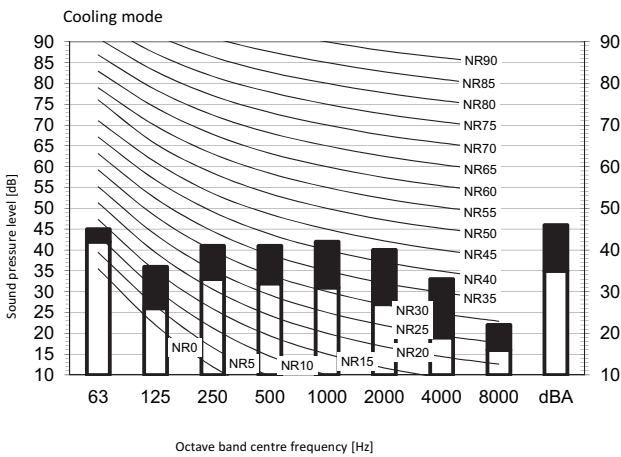
Heating Total dB		
A	B	C
dBA	45	29

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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FTXJ50MW
FTXJ50MS



Legend

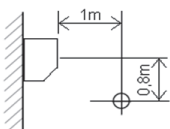
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Low-tap

Location of microphone



Cooling Total dB		
A	B	C
dBA	46	35

Heating Total dB		
A	B	C
dBA	47	35

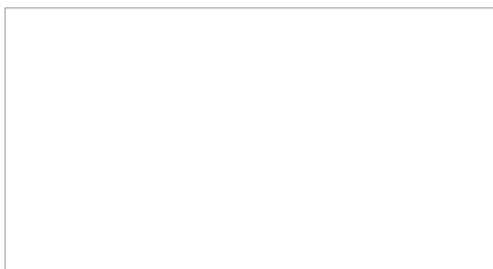
Notes

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

3D092360A



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