

Air Conditioning
Technical Data

FTXF-A



- > FTXF20A5V1B
- > FTXF25A5V1B
- > FTXF35A5V1B
- > FTXF50A2V1B
- > FTXF60A2V1B
- > FTXF71A2V1B

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1 Features

Wall mounted unit for low energy consumption and pleasant comfort

- Seasonal efficiency values up to A++ in cooling
- 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
- Quiet in operation down to 21 dBA
- 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



- | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| Econo mode | Energy saving during standby mode | Fan only | Comfort mode | Powerful mode | Auto cooling-heating changeover | Indoor unit silent operation | Vertical auto swing | Auto fan speed |
|  |  |  |  |  |  |  |  | |
| Fan speed steps | Dry programme | Air filter | 24 hour timer | Infrared remote control | Online controller | Auto-restart | Self diagnosis | |

2 Specifications

2-1 Technical Specifications				FTXF20A	FTXF25A	FTXF35A	FTXF50A	FTXF60A	FTXF71A
Power input	Cooling	Nom.	kW	0.017	0.019	0.032	0.029	0.032	
	Heating	Nom.	kW	0.020		0.032		0.035	
Casing	Colour			White					
Dimensions	Unit	Height/Width/Depth	mm	286/770/225			295/990/263		
	Packed unit	Height/Width/Depth	mm	305/830/360			368/1,080/383		
Weight	Unit			9.00			13.5		
	Packed unit			11.0			16		
Packing	Weight			2.0			2.5		
Heat exchanger	Length		mm	610			820		
	Rows	Quantity		2					
	Fin pitch		mm	1.40					
	Stages	Quantity		18					
	Passes	Quantity		2.2			6		
	Tube type			ø5 Hi-XB					
	Fin	Type		ML fin (Multi louver)					
Heat exchanger 2	Length		mm	600			810		
	Rows	Quantity		1					
	Fin pitch		mm	1.40					
	Stages	Quantity		4			8		
Air filter	Type			Removable / washable					
Fan	Type			Cross flow fan					
	Quantity			1			-		
	Air flow rate	Cooling	High	m³/min	9.8	10.1	11.5	16.8	17.3
				cfm	346.1	356.7	406.1	593	610
			Medium	m³/min	7.9	8.1	8.3	14.4	14.8
				cfm	279.0	286.0	293.1	508	522
			Low	m³/min	5.9	6.1	6.3	11.9	12.2
				cfm	208.4	215.4	222.5	413	430
		Silent operation	m³/min	4.4		4.5	10.5	10.7	
			cfm	155.4		159.0	367	377	
		Heating	High	m³/min	10.3		11.5	17.3	17.9
				cfm	363.7		406.1	618	632
			Medium	m³/min	8.4	8.6	9.0	14.8	15.8
				cfm	296.6	303.7	317.8	526	557
	Low		m³/min	6.5	6.7	7.0	12.2	12.8	
cfm			229.5	236.6	247.2	434	452		
Silent operation	m³/min	5.3		10.7	11.3				
	cfm	287.0		381	399				
Fan motor	Model			MM6K11S20VA			MM9E17S21VA		
	Speed	Steps		5 + silent, + auto					
		Cooling	High/Medium/Low/Silent operation	rpm	1,000/830/660/530	1,020/850/680/530	1,140/870/700/540	1,040/920/790/720	1,070/940/810/730
				rpm	1,040/880/710/610	1,040/890/730/610	1,140/930/760/610	1,070/940/810/730	1,100/990/840/760
		Heating	High/Medium/Low/Silent operation	rpm	1,040/880/710/610	1,040/890/730/610	1,140/930/760/610	1,070/940/810/730	1,100/990/840/760
rpm	1,040/880/710/610			1,040/890/730/610	1,140/930/760/610	1,070/940/810/730	1,100/990/840/760		
Output	Rated		W			46			
Sound power level	Cooling		dBA	55		58	59	60	62

2 Specifications

2-1 Technical Specifications				FTXF20A	FTXF25A	FTXF35A	FTXF50A	FTXF60A	FTXF71A
Sound pressure level	Cooling	High/Medium/ Low/Silent operation	dBa	39/33/25/20	40/33/26/20	43/34/27/20	43/39/34/31	45/41/36/33	46/42/37/34
	Heating	High/Medium/ Low/Silent operation	dBa	39/34/28/21	40/34/28/21	40/35/29/21	42/38/33/30	44/40/35/32	45/41/36/33
Control systems	Infrared remote control			ARC470A1					
	Wired remote control			BRC944B2 / BRC073A1			BRC073A1		
Piping connections	Liquid	OD	6,35						
	Gas	OD	9.50			12.7			
	Drain	18							
	Heat insulation	Both liquid and gas pipes							
Temperature control	Microcomputer control								
Air direction control	Right, Left, Horizontal, Downward					Left, right, up and downwards			

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 : Indoor unit fixing screws; Quantity : 2;
 Standard Accessories : Titanium apatite deodorizing filter; Quantity : 2;

2-2 Electrical Specifications				FTXF20A	FTXF25A	FTXF35A	FTXF50A	FTXF60A	FTXF71A
Power supply	Name			-			V1		
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.19	0.20	0.29	0.32	0.34	
		Heating	A	0.21		0.29	0.34	0.37	0.40

3 Options

3 - 1 Options

FTXF-A

Option kit	Product name	Remark	Applicable models						
			FTXF20A2V1B	FTXF25A2V1B	FTXF35A2V1B	FTXF50A2V1B	FTXF60A2V1B	FTXF71A2V1B	
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	KRP980B1		✗	✗	✗	✗	✗	✗	
Interface adaptor for wired remote control	EKRP067A41		✗	✗	✗	✗	✗	✗	
Interface adaptor for wired remote control	EKRP980B2		✗	✗	✗	✗	✗	✗	
Centralised control board (up to 5 rooms)	KRC72A		✗	✗	✗	✗	✗	✗	
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		✗	✗	✗	✗	✗	✗	
Wi-Fi adaptor for smartphones	BRP069B41	④ ⑤	✗	✗	✗	✗	✗	✗	
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	KRP928BB2S		✓	✓	✓	✓	✓	✓	
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		✗	✗	✗	✗	✗	✗	

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.

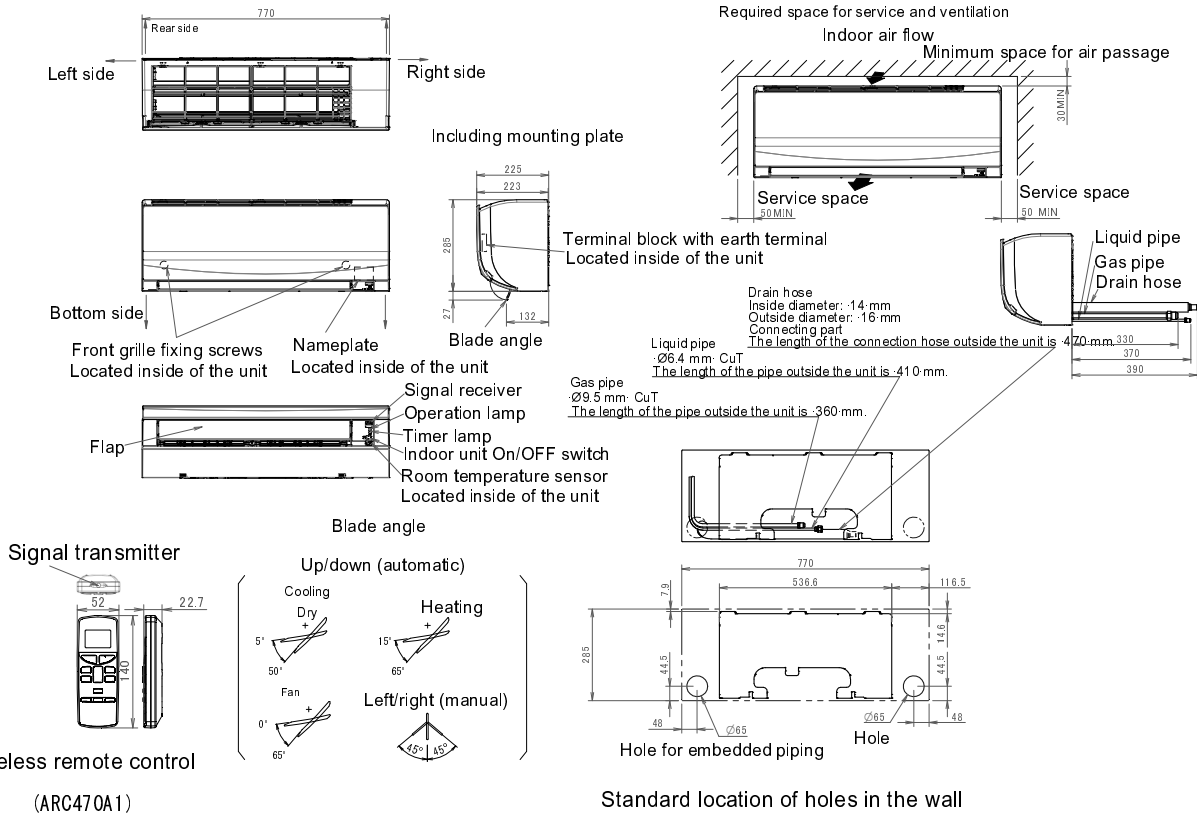
3D095173M

4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXF20-35A

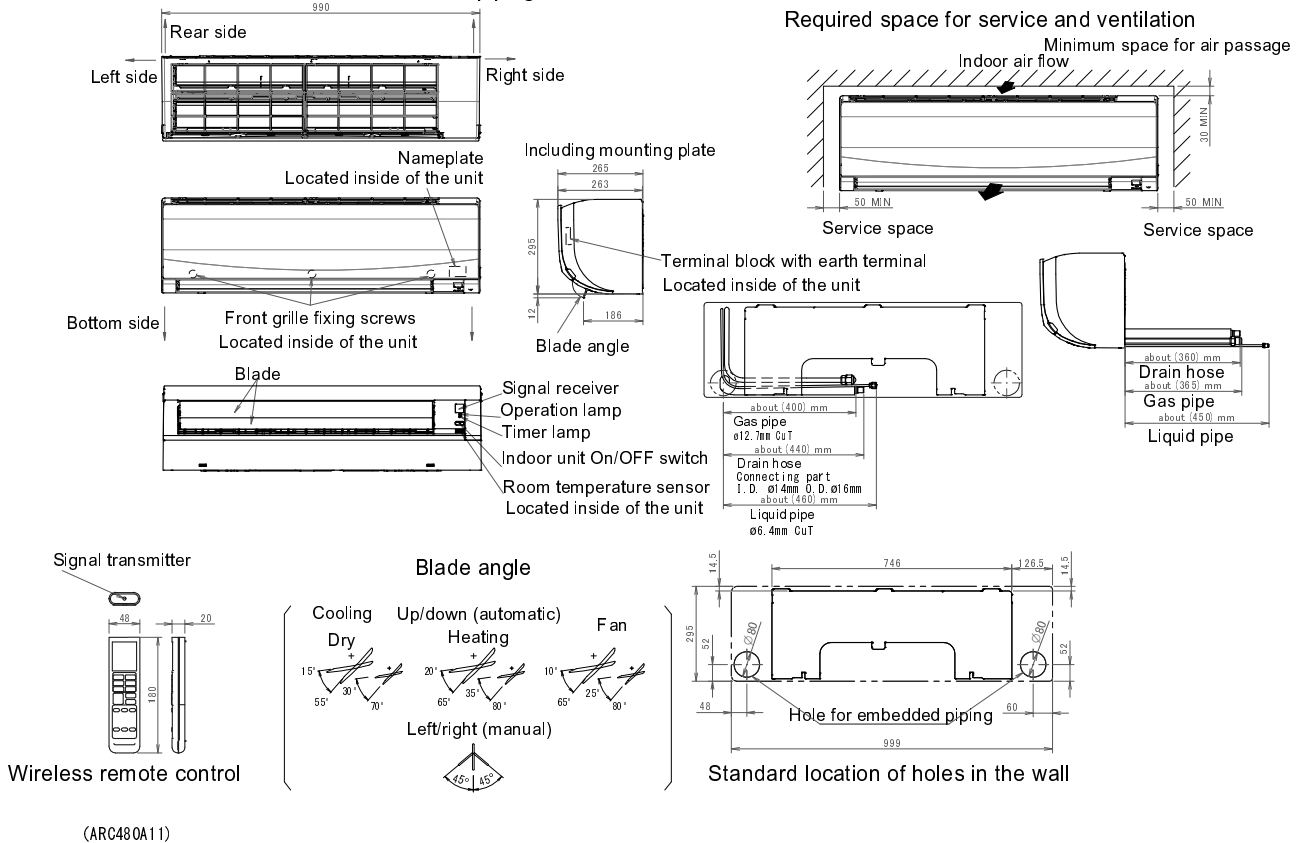
The · — · mark shows the piping direction.



3D113368

FTXF50-71A

The · — · mark shows the piping direction.

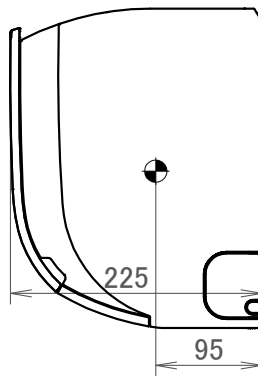
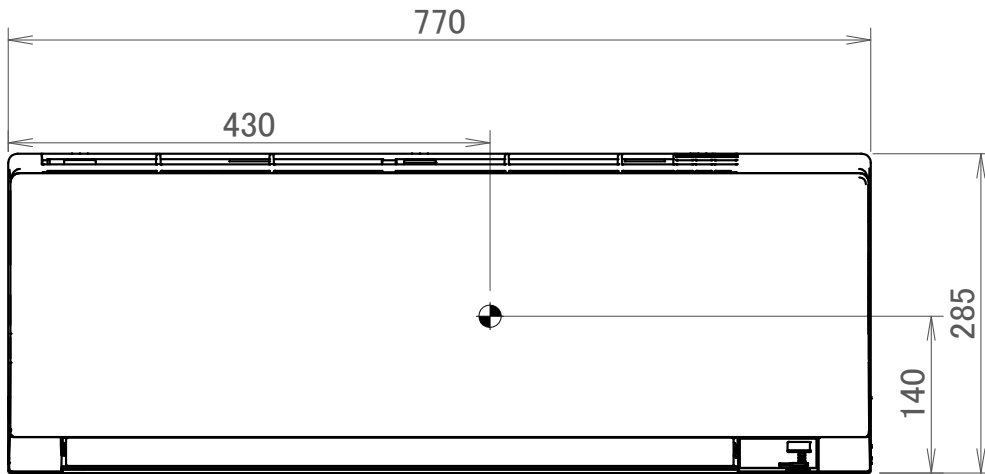


3D113369

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF20-35A



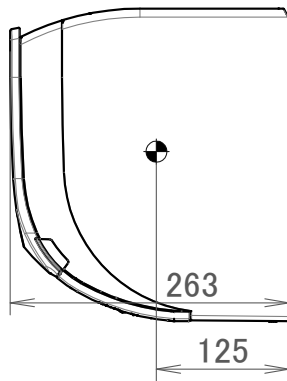
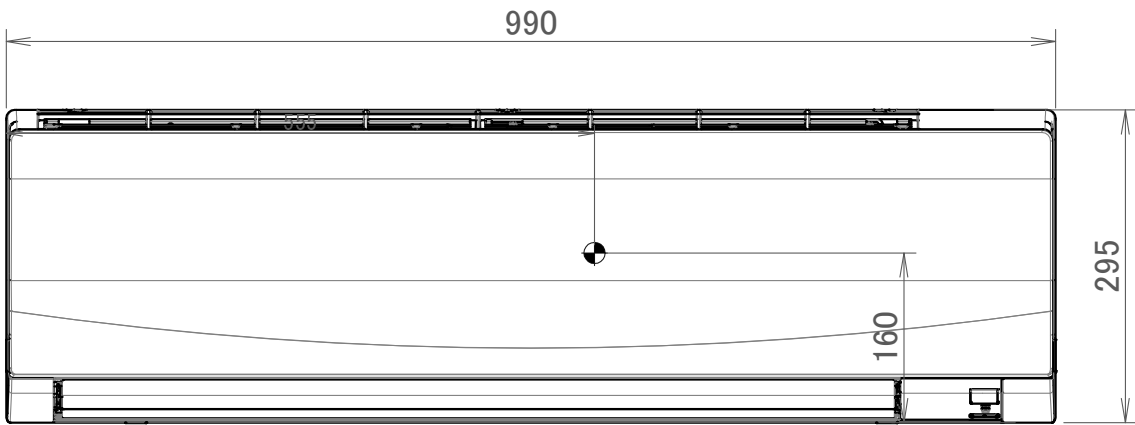
4D094235D

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF50-60A

5

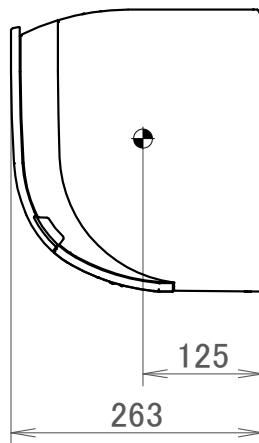
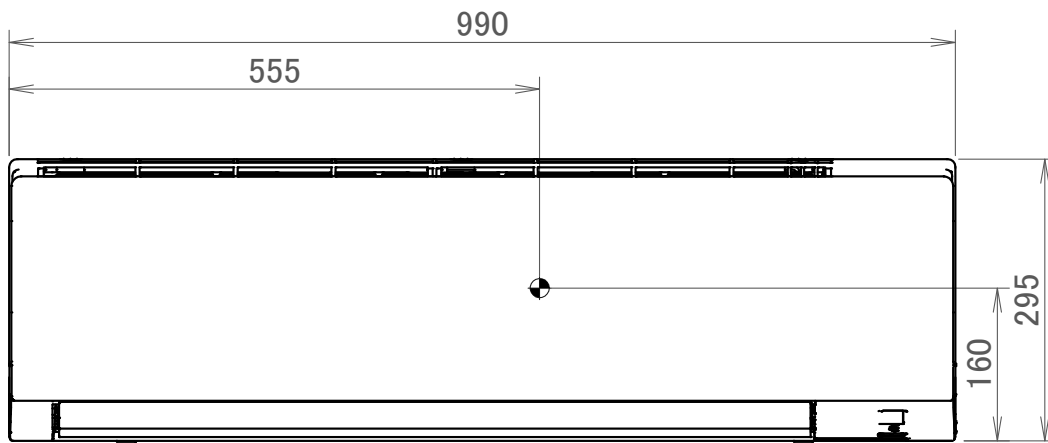


4D113531

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF71A



4D102903A

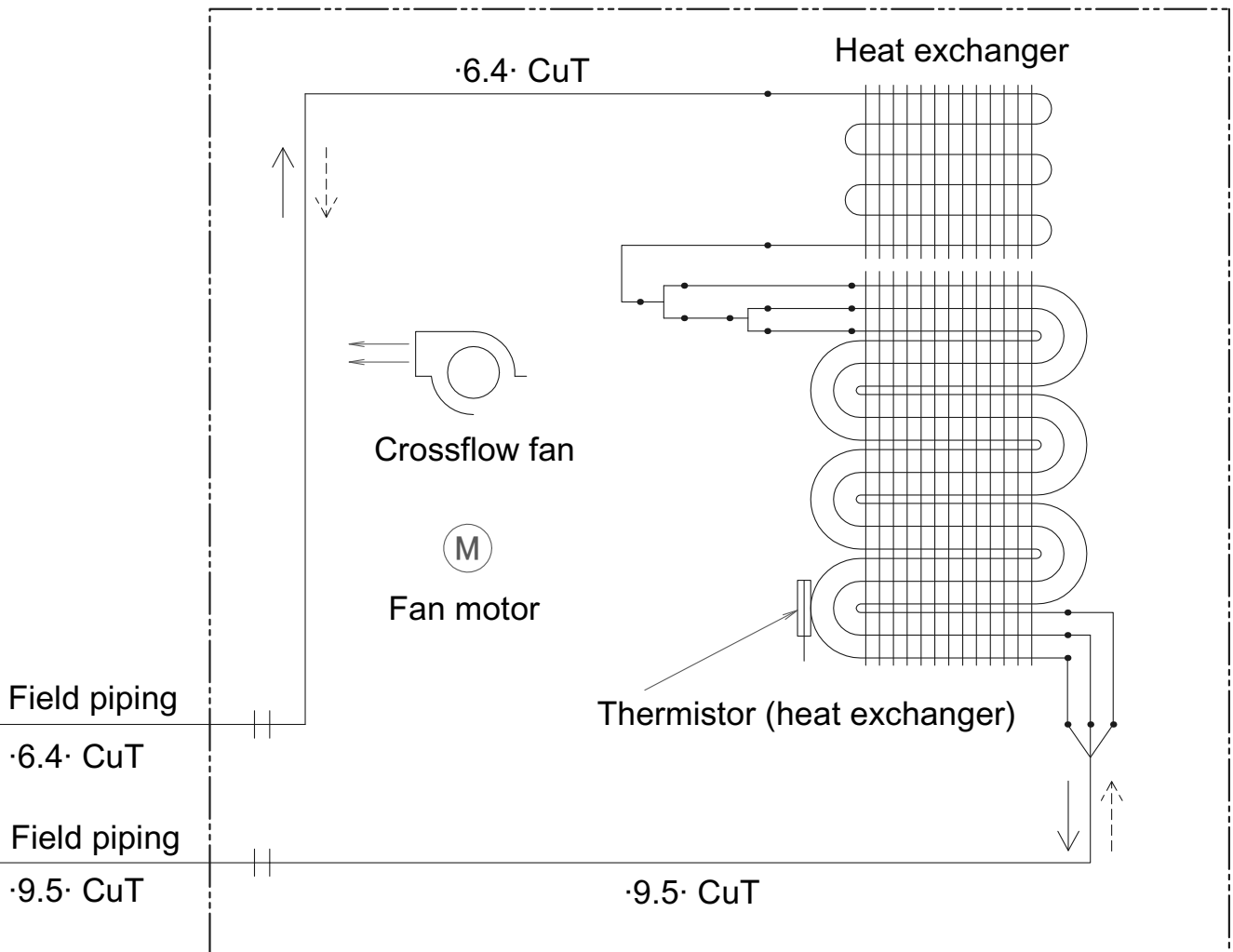
6 Piping diagrams

6 - 1 Piping Diagrams

FTXF20-35A

6

Indoor unit



Refrigerant flow

—> Cooling

- - -> Heating

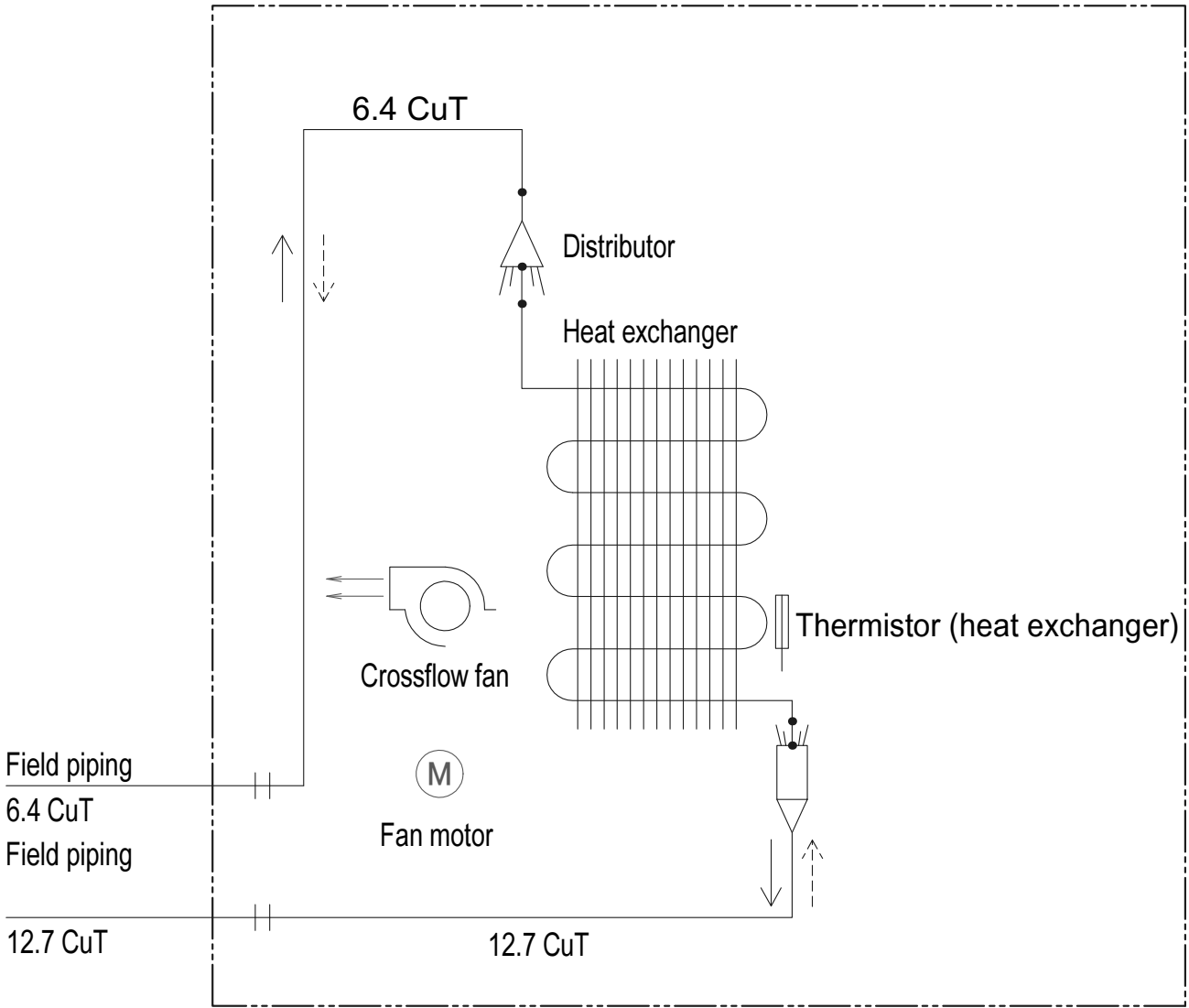
4D098106B

6 Piping diagrams

6 - 1 Piping Diagrams

FTXF50-71A

Indoor unit



Refrigerant flow

—> Cooling

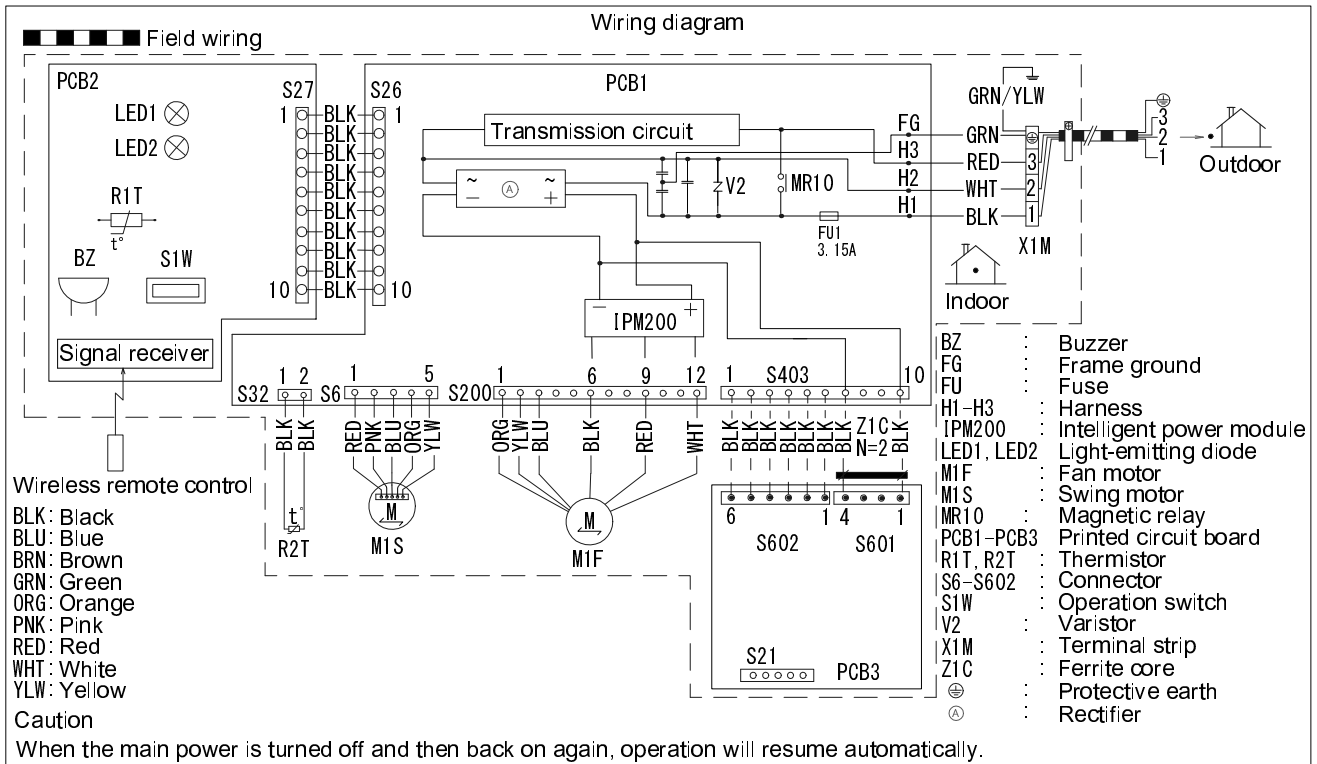
- - -> Heating

4D101332D

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXF20-35A

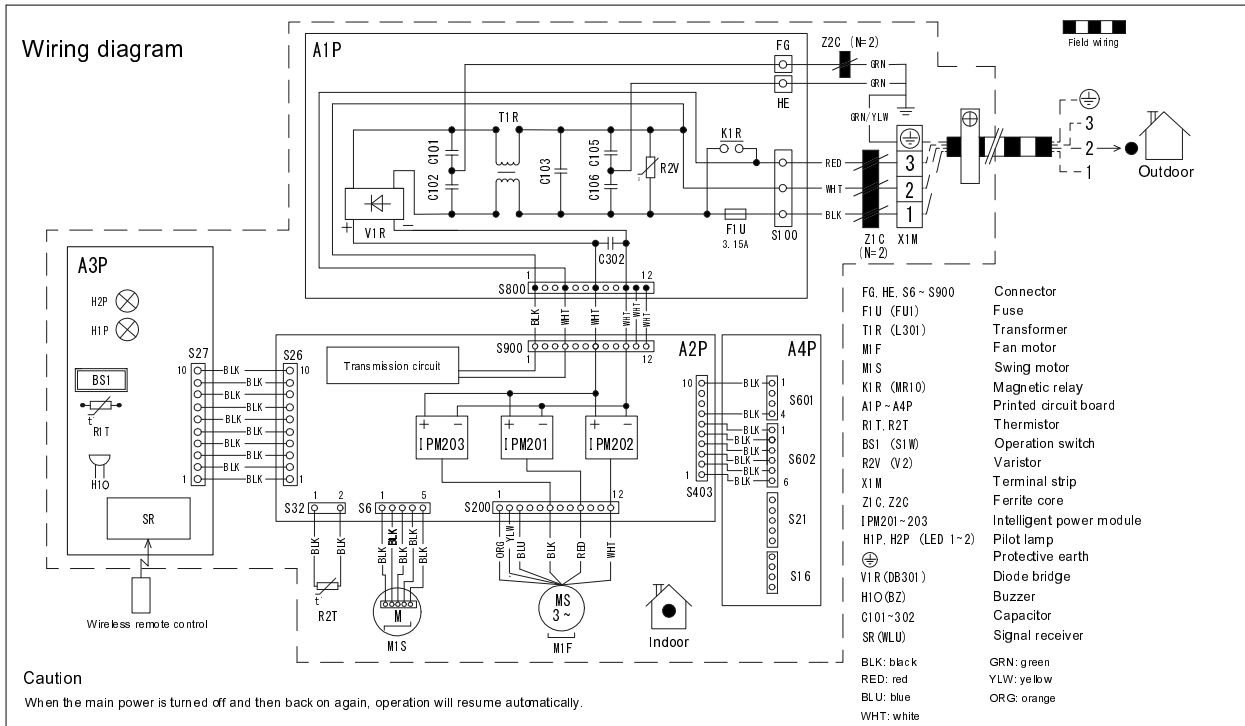


Notes

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

3D095416A

FTXF50-71A



NOTES:

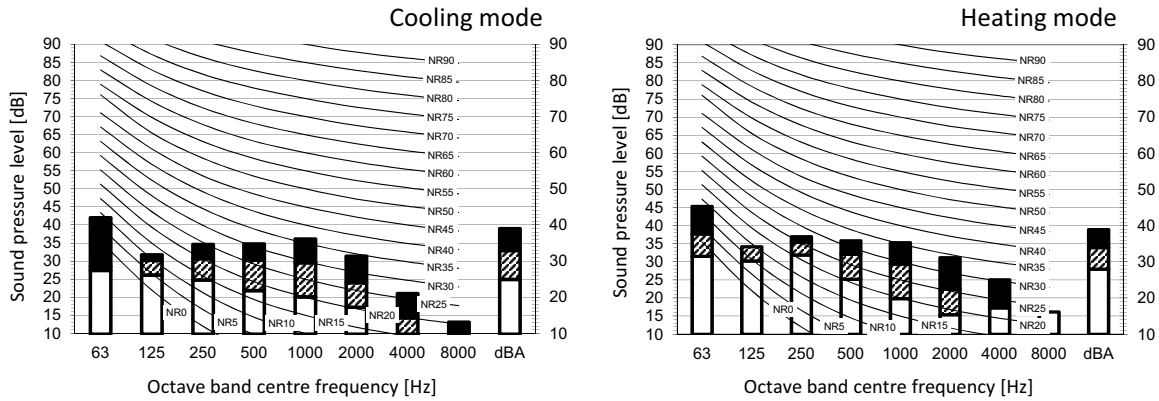
1. Size: length ·65· X width ·110·.
2. Refer to purchasing specification ·AS303002·, unless otherwise specified.

3D097876

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXF20A



Legend

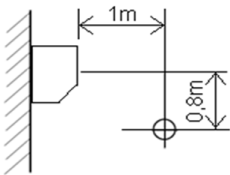
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B		High
C		Medium
D		Low

Cooling				Total dB			
A	B	C	D				
dBA	39	33	25				

Heating				Total dB			
A	B	C	D				
dBA	39	34	28				

Location of microphone

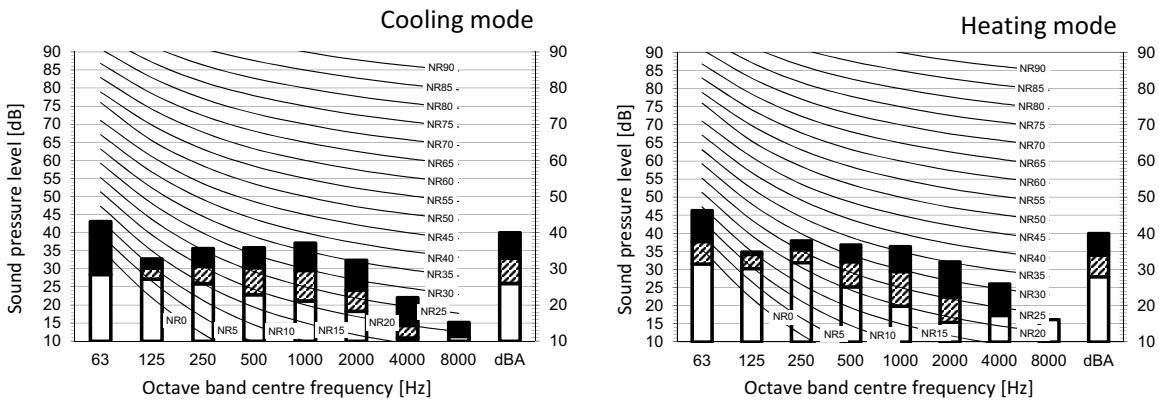


Notes

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

3D108789A

FTXF25A



Legend

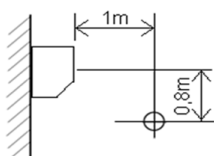
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B		High
C		Medium
D		Low

Cooling				Total dB			
A	B	C	D				
dBA	40	33	26				

Heating				Total dB			
A	B	C	D				
dBA	40	34	28				

Location of microphone



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

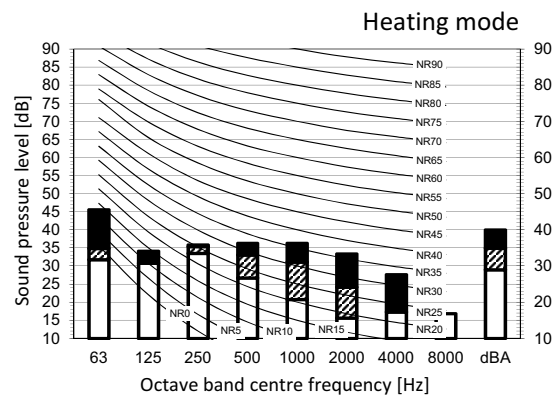
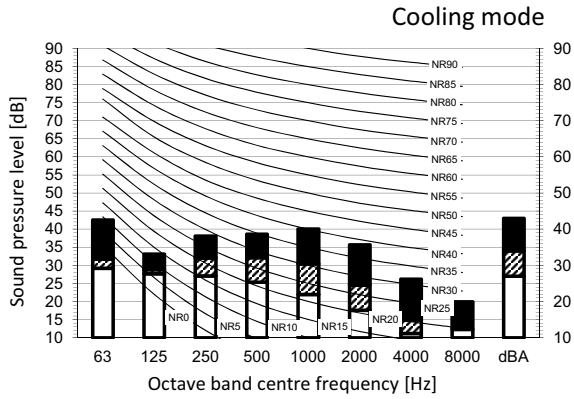
3D108790A

8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXF35A



Legend

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

- A Scale Fan speed
- B High
- C Medium
- D Low

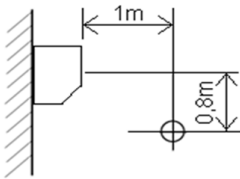
Cooling		Total dB	
A	B	C	D
dBA	43	34	27

Heating		Total dB	
A	B	C	D
dBA	40	35	29

Notes

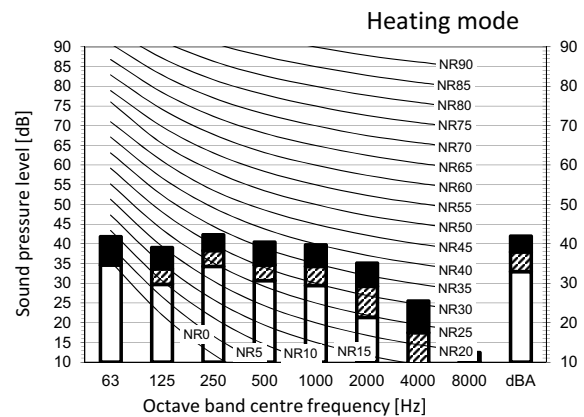
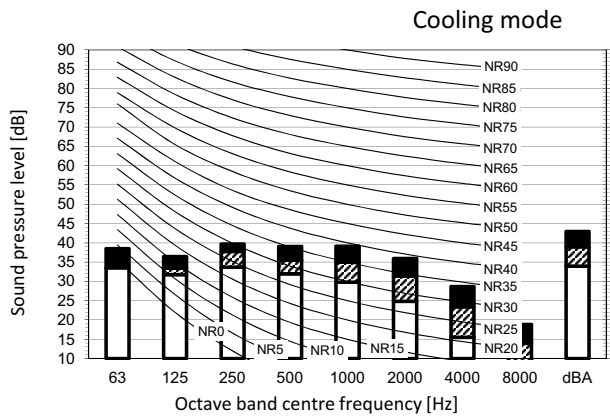
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Location of microphone



3D108791A

FTXF50A



Legend

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

- A Scale Fan speed
- B High
- C Medium
- D Low

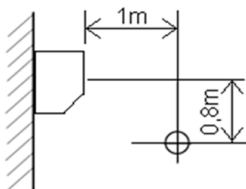
Cooling		Total dB	
A	B	C	D
dBA	43	39	34

Heating		Total dB	
A	B	C	D
dBA	42	38	33

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

Location of microphone

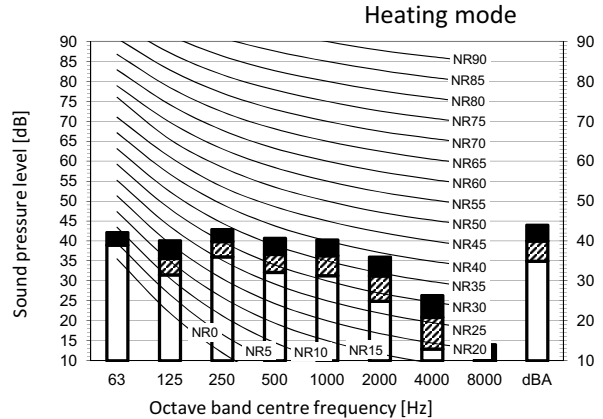
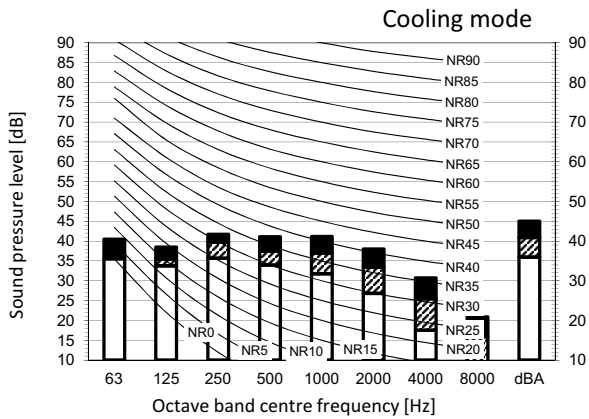


3D108792

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXF60A



Legend

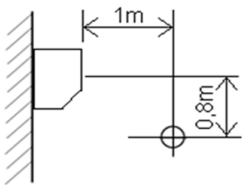
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B	High	
C	Medium	
D	Low	

Cooling		Total dB	
A	B	C	D
dBA	45	41	36

Heating		Total dB	
A	B	C	D
dBA	44	40	35

Location of microphone

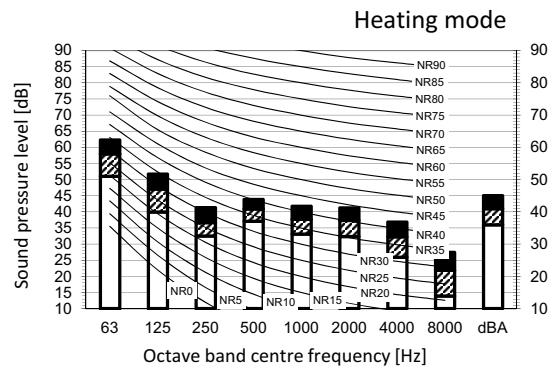
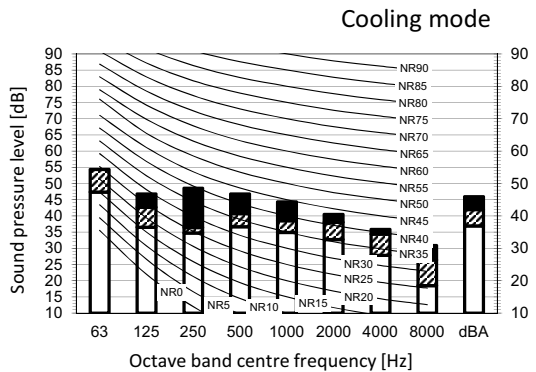


Notes

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

3D108793A

FTXF71A



Legend

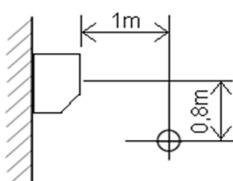
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B	High	
C	Medium	
D	Low	

Cooling		Total dB	
A	B	C	D
dBA	46	42	37

Heating		Total dB	
A	B	C	D
dBA	45	41	36

Location of microphone



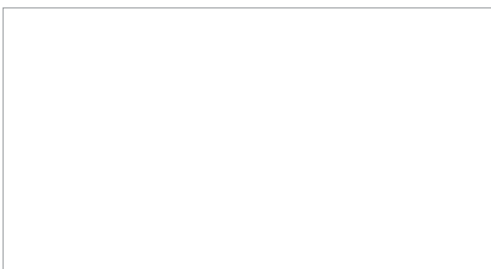
Notes

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

3D108794



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EEDEN19 11/18



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