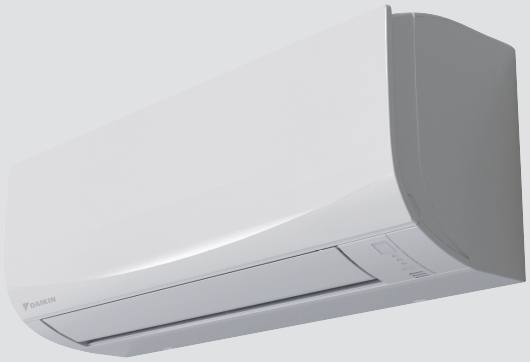
Split

Air Conditioning Technical Data

FTXF-A



> FTXF20A2V1B
> FTXF25A2V1B
> FTXF35A2V1B
> FTXF50A2V1B
> FTXF60A2V1B
> FTXF71A2V1B

TABLE OF CONTENTS

FTXF-A

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 10

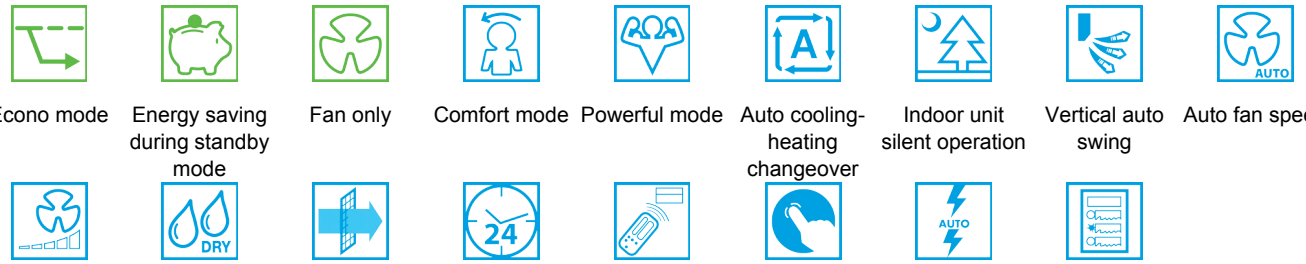
7 Wiring diagrams 12
Wiring Diagrams - Single Phase 12

8 Sound data 13
Sound Pressure Spectrum 13

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



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			kg	9.00			13.5		
	Packed unit			kg	11.0			16		
Packing	Weight			kg	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	
		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	
	Output	Rated		W	22			46		
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	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
			Class	20	25	35	50	60	71
			Casing	BMS-R32	BMS-R32	BMS-R32	BML	BML	BML
			Factory	DICz	DICz	DICz	DICz	DICz	DICz
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	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	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.

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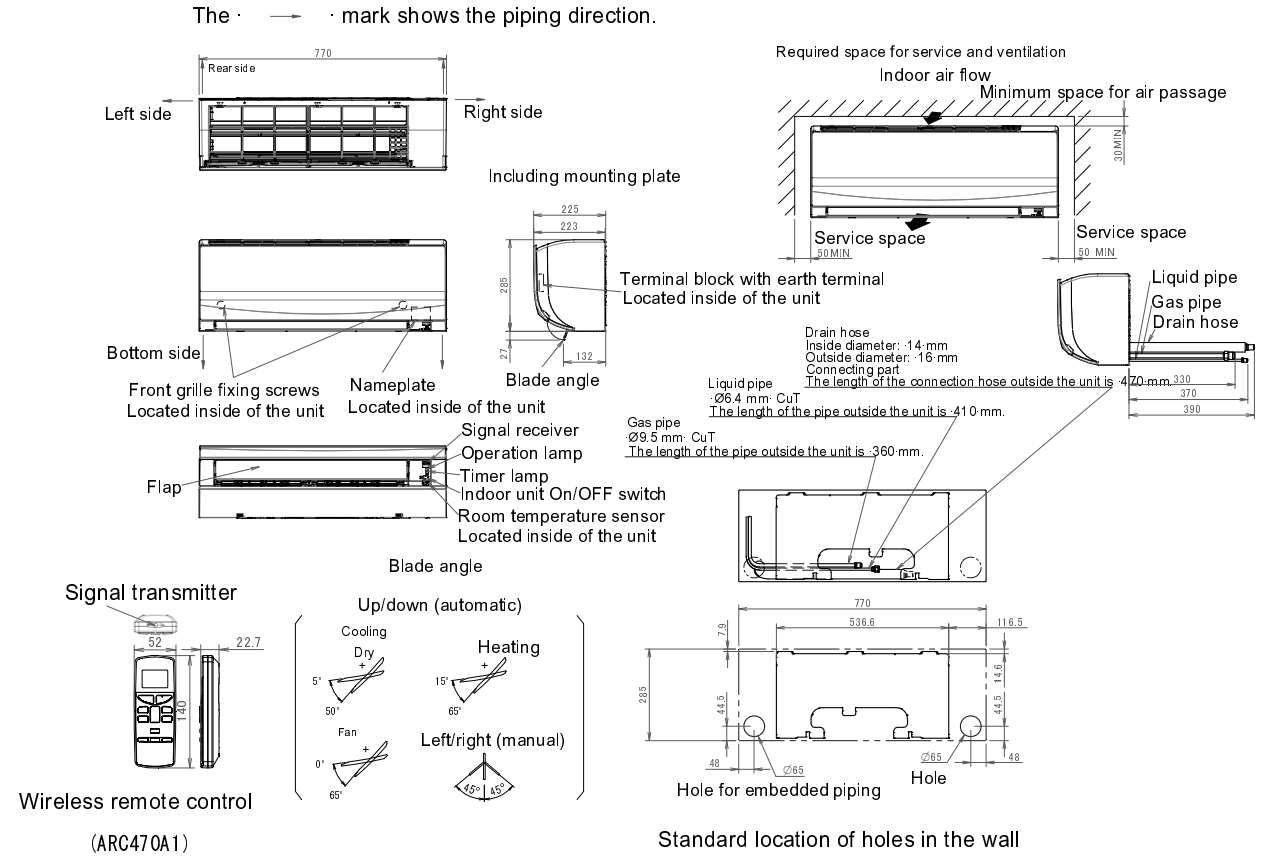
4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXF20-35A



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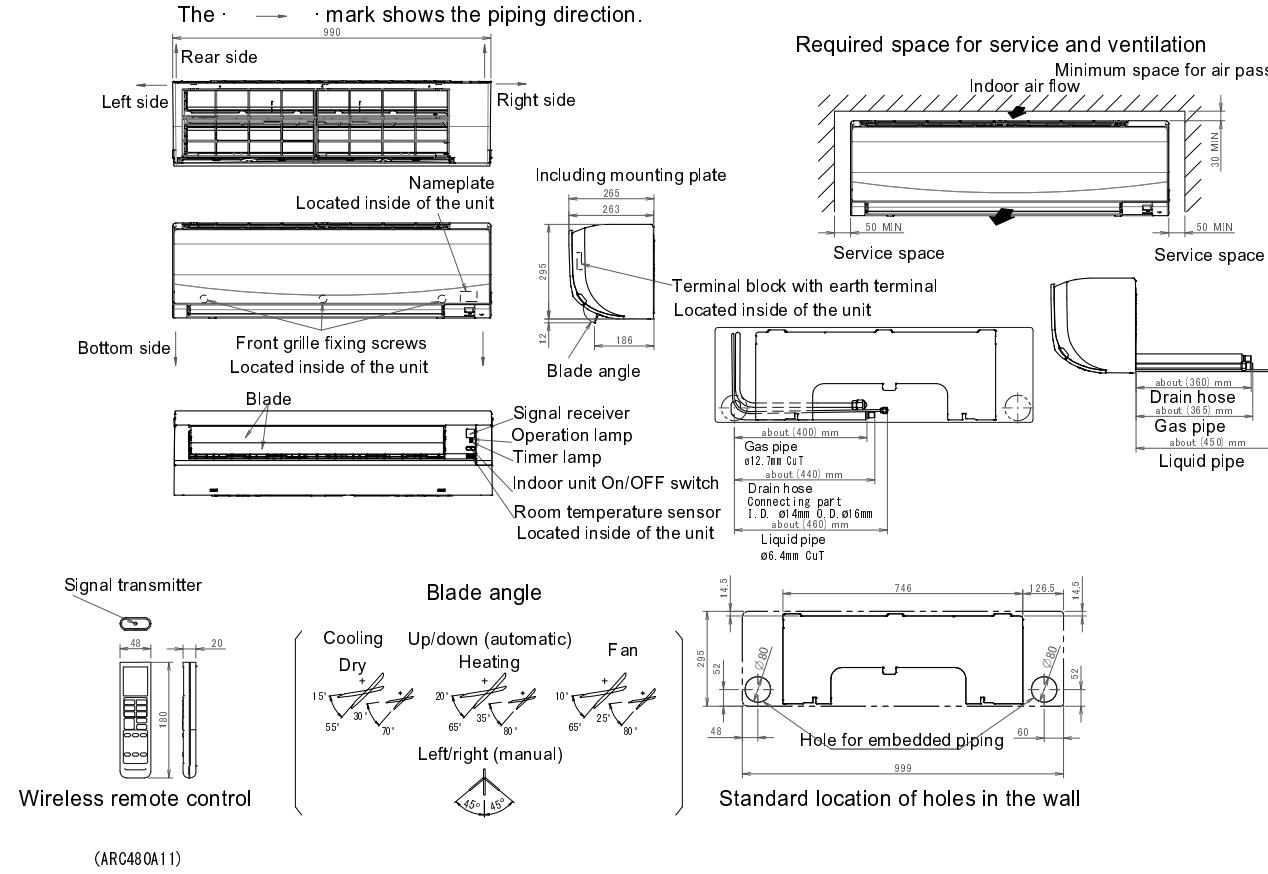

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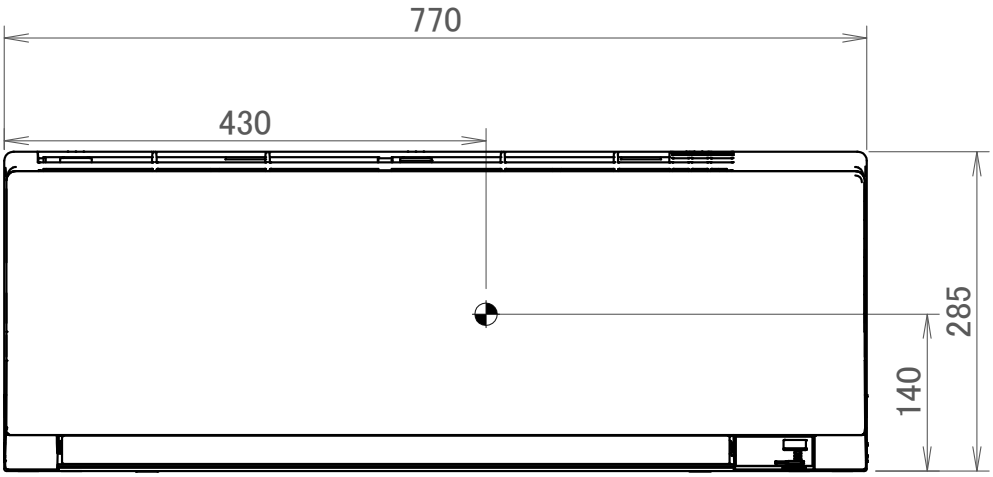
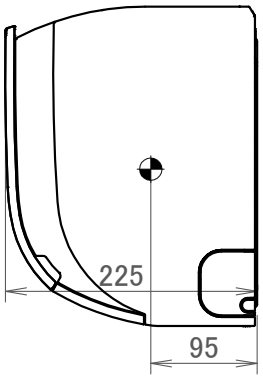
5 Centre of gravity

5 - 1 Centre of Gravity

FTXF20-35A





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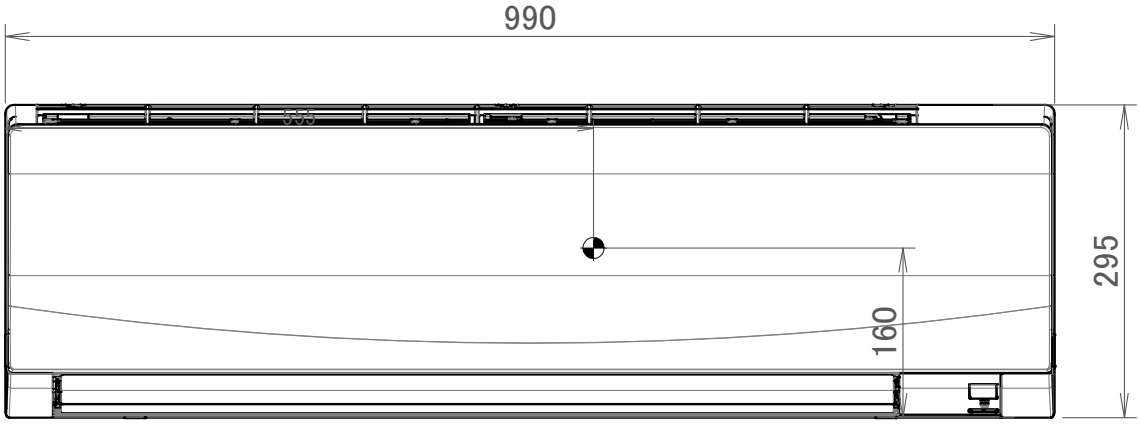
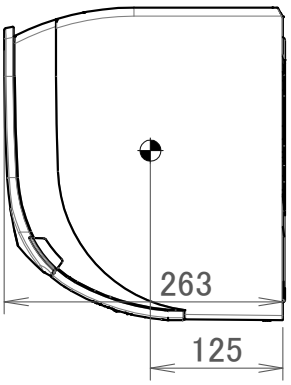
5 Centre of gravity

5 - 1 Centre of Gravity

FTXF50-60A





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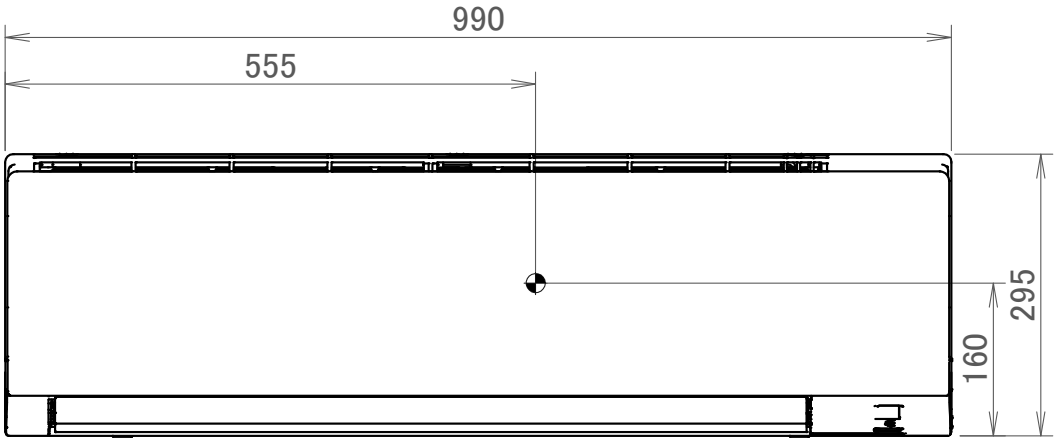
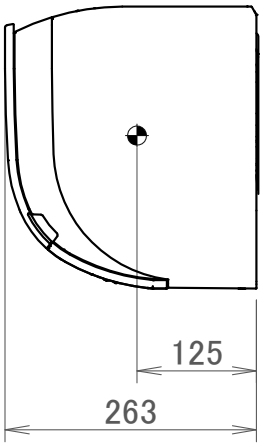
5 Centre of gravity

5 - 1 Centre of Gravity

FTXF71A





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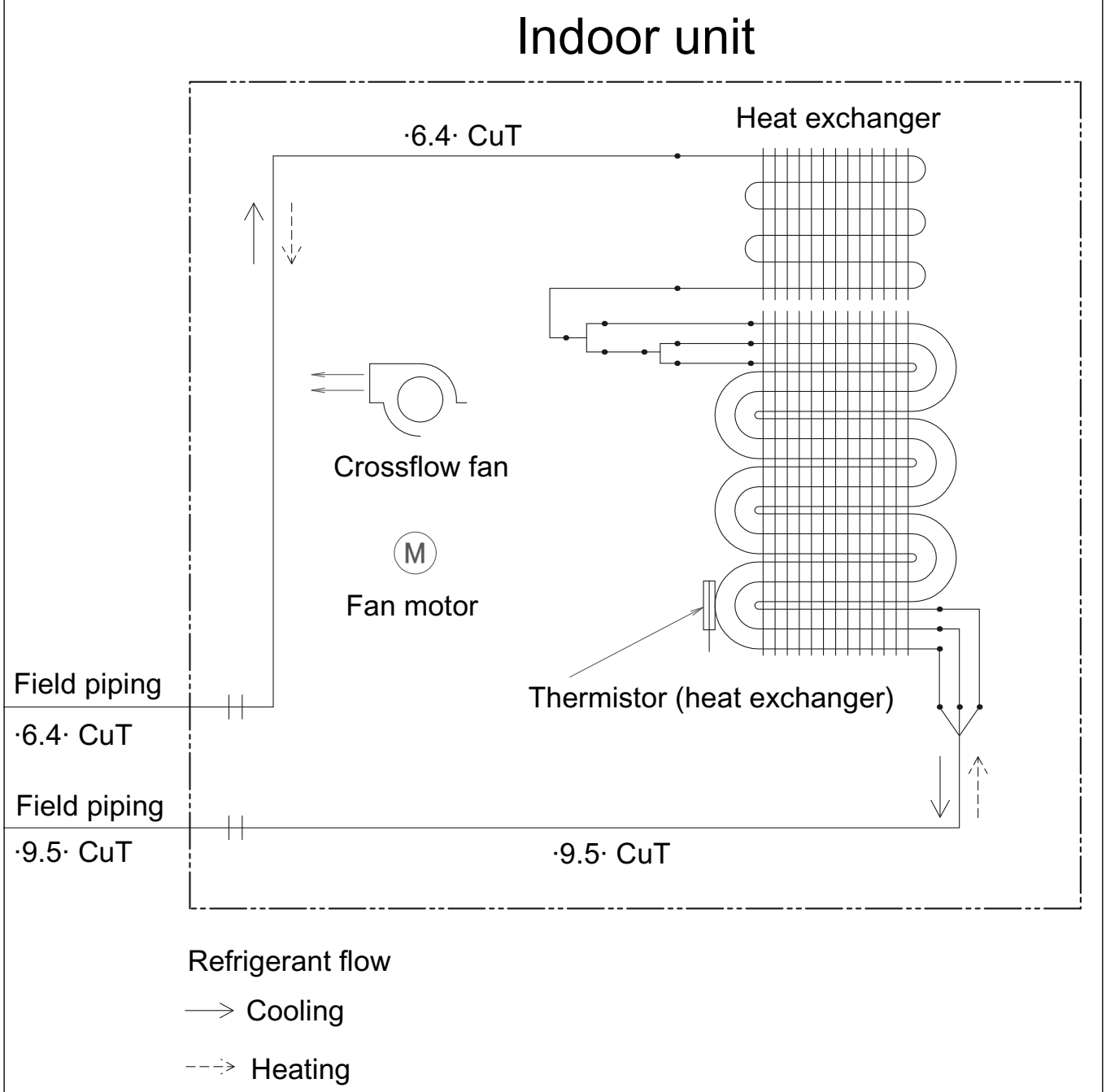
6 Piping diagrams

6 - 1 Piping Diagrams

FTXF20-35A



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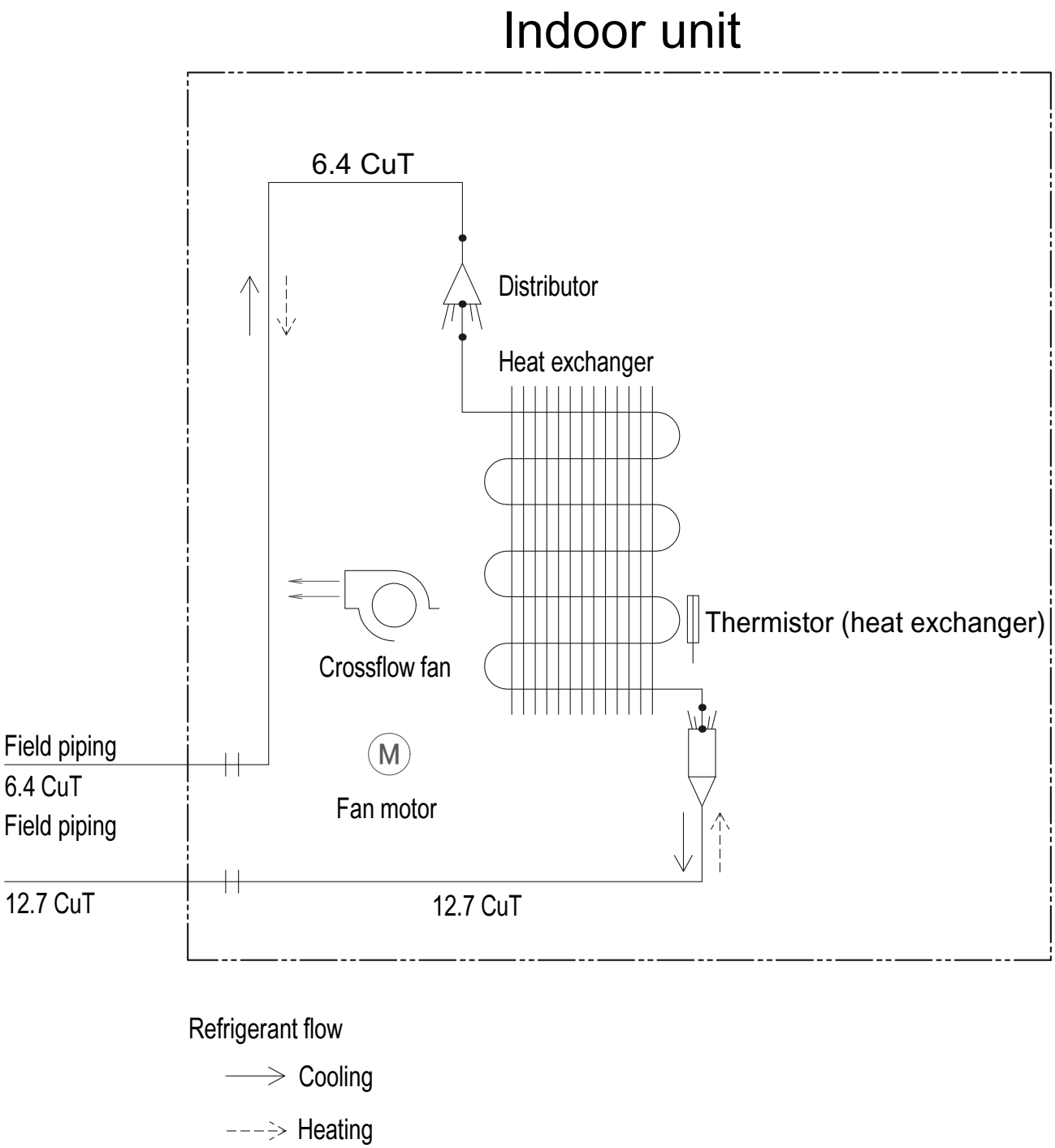
6 Piping diagrams

6 - 1 Piping Diagrams

FTXF50-71A



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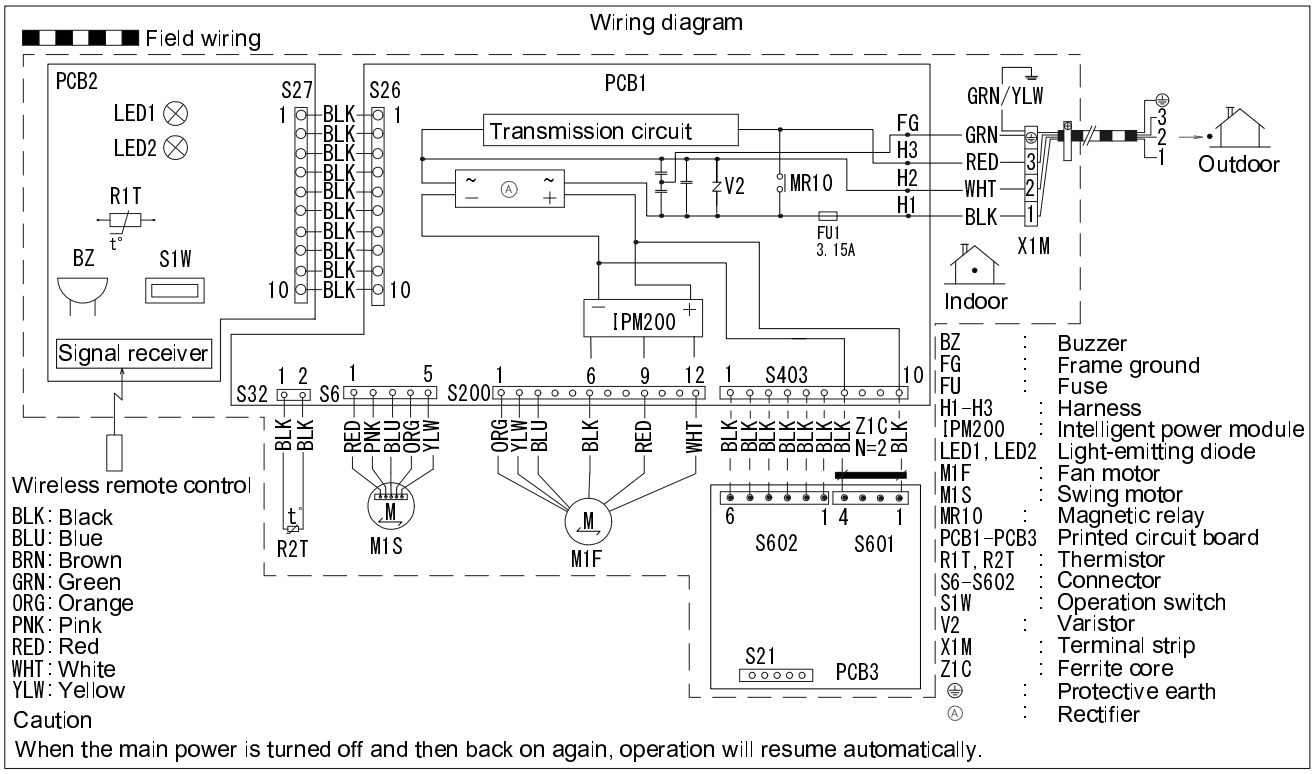
7 Wiring diagrams

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.

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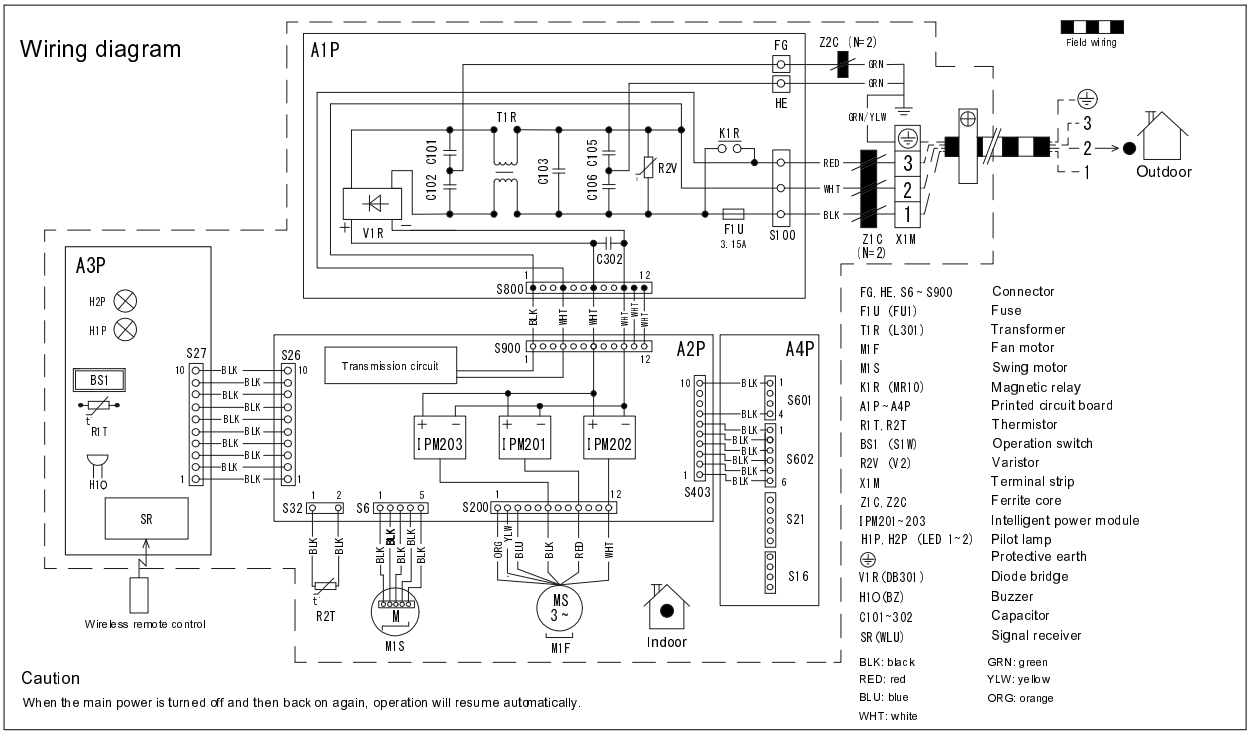
FTXF50-71A



NOTES:

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

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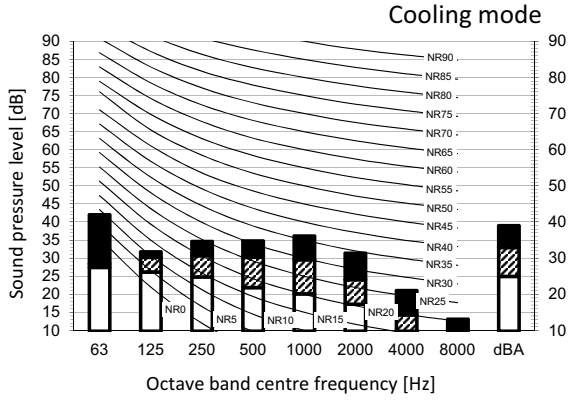
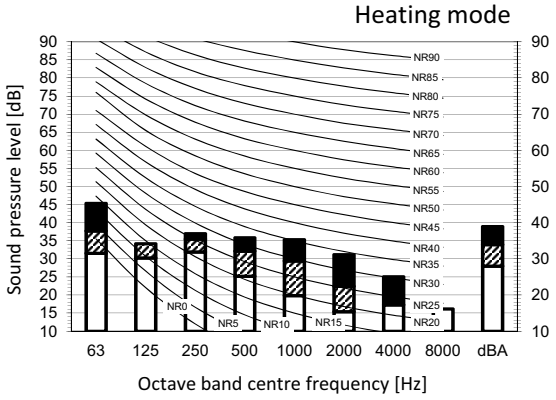
8 Sound data

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

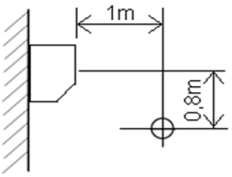
Cooling — Total dB

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

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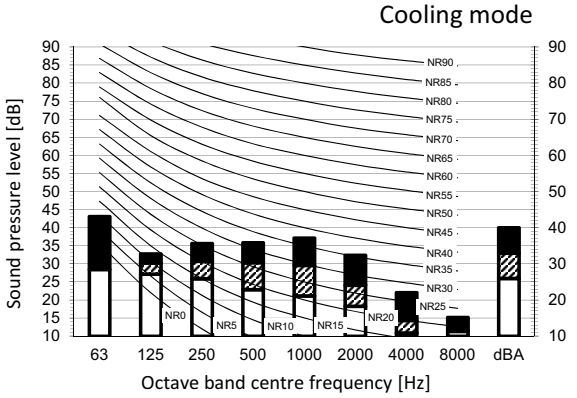
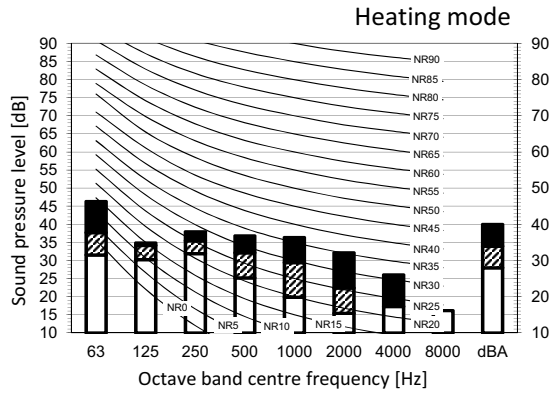
FTXF25A





Legend

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

A	Scale	Fan speed
B		High
C		Medium
D		Low

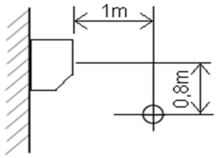
Cooling — Total dB

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

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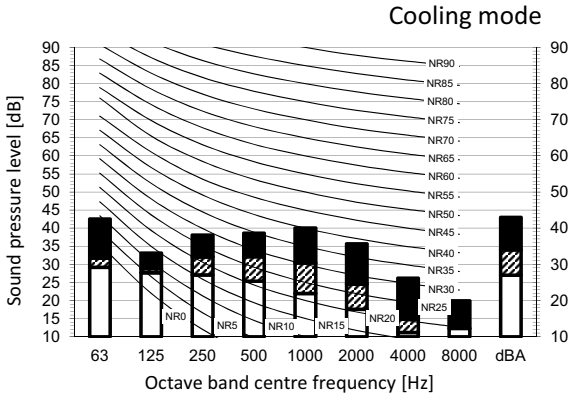
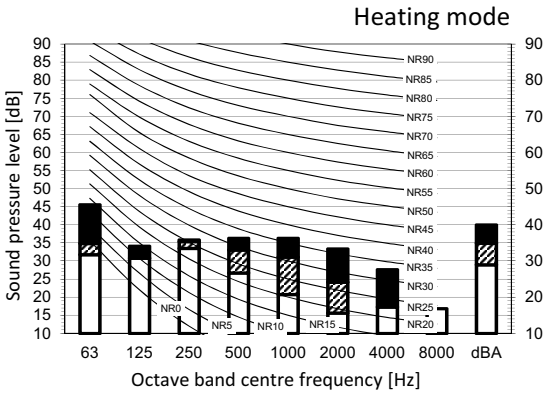
8 Sound data

8 - 1 Sound Pressure Spectrum

FTXF35A





Legend

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

A	Scale	Fan speed
B	■	High
C	▨	Medium
D	□	Low

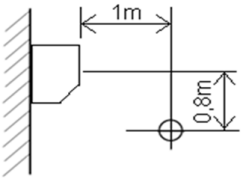
Cooling — Total dB

A	B	C	D
dBA	43	34	27

Heating — Total dB

A	B	C	D
dBA	40	35	29

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

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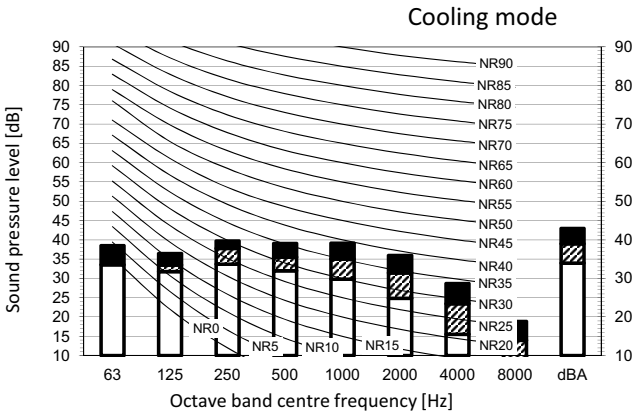
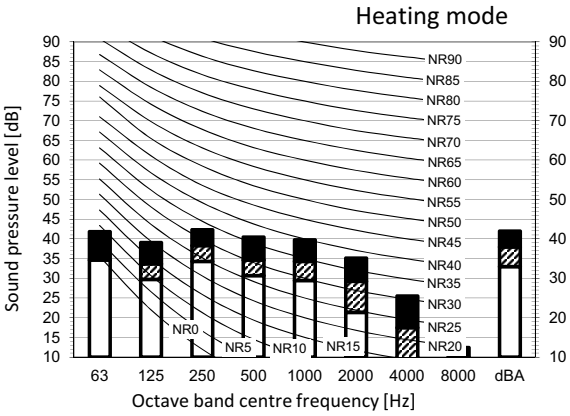
FTXF50A





Legend

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

A	Scale	Fan speed
B		High
C	▨	Medium
D		Low

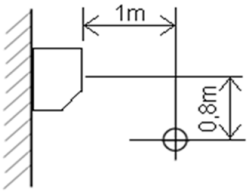
Cooling — Total dB

A	B	C	D
dBA	43	39	34

Heating — Total dB

A	B	C	D
dBA	42	38	33

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

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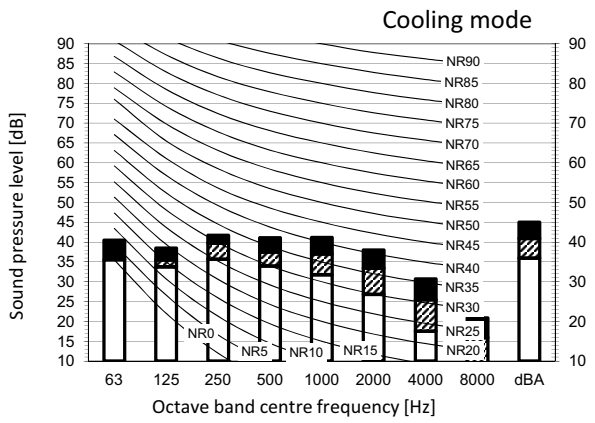
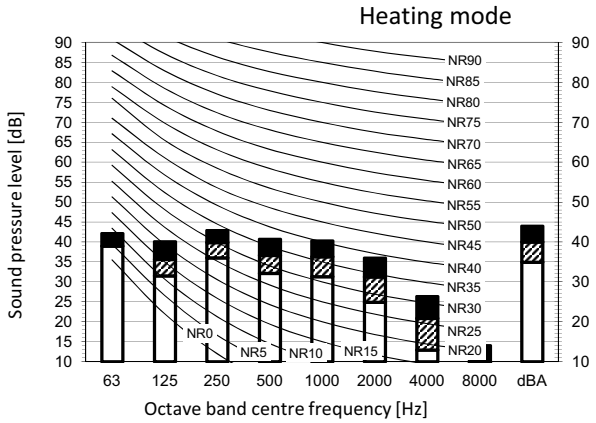
8 Sound data

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

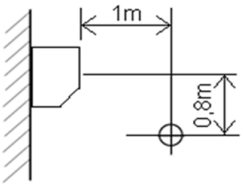
Cooling — Total dB

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

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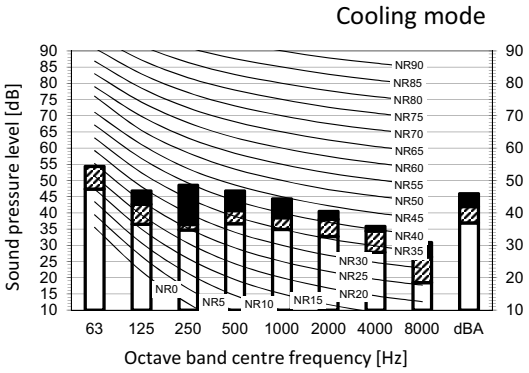
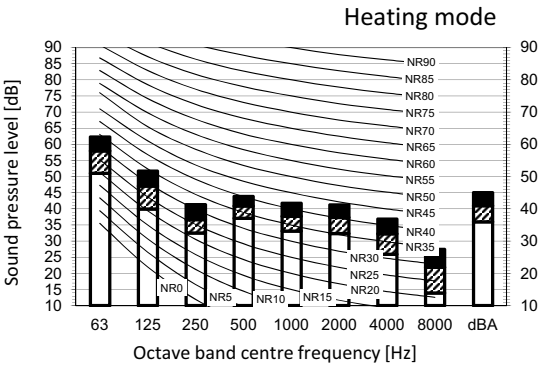
FTXF71A





Legend

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

A	Scale	Fan speed
B	■	High
C	▨	Medium
D	□	Low

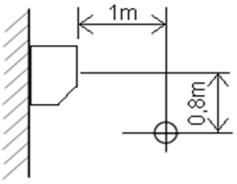
Cooling — Total dB

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

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