

Air Conditioning Technical Data

FTXF-A



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

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FTXF-A

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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				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									
				155.4		159.0	367	377									
			Heating	High	m³/min	10.3		11.5	17.3	17.9							
					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												
		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	

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	Class	Casing	Factory
Wired remote control	BRC073A1		FTXF20A2V1B	20	BMS-R32	DiCz
Wired remote control	BRC944B2		FTXF25A2V1B	25	BMS-R32	DiCz
Extension cord for wired remote control (3m)	BRCW901A03		FTXF35A2V1B	35	BMS-R32	DiCz
Extension cord for wired remote control (5m)	BRCW901A08		FTXF50A2V1B	50	BML	DiCz
Interface adaptor for wired remote control	KRP980B1		FTXF60A2V1B	60	BML	DiCz
Interface adaptor for wired remote control	EKRP067A41		FTXF71A2V1B	71	BML	DiCz
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

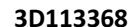
Legend

- 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.

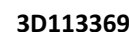
3D095173M

4 - 1 Dimensional Drawings

The mark shows the piping direction.



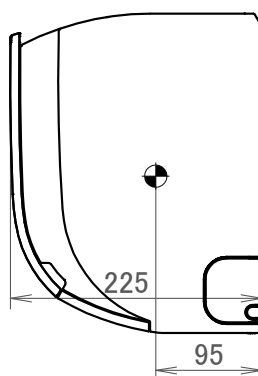
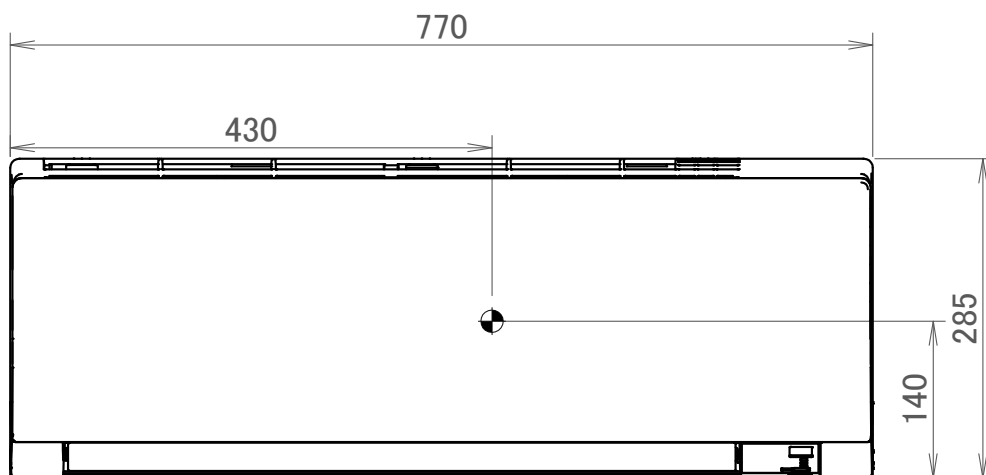
The $\cdot \longrightarrow \cdot$ mark shows the piping direction.



5 Centre of gravity

5 - 1 Centre of Gravity

FTXF20-35A



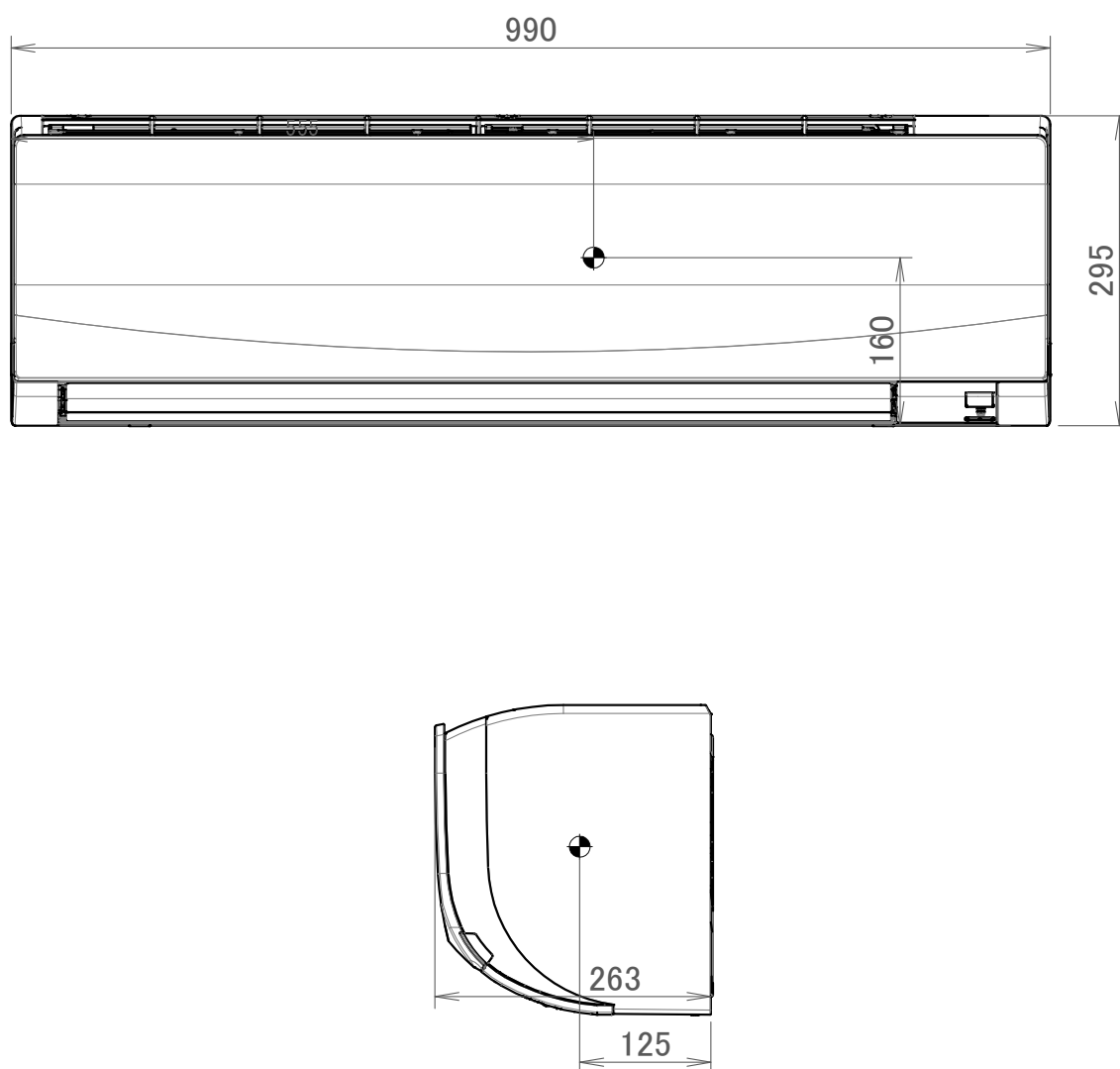
4D094235D

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF50-60A

5

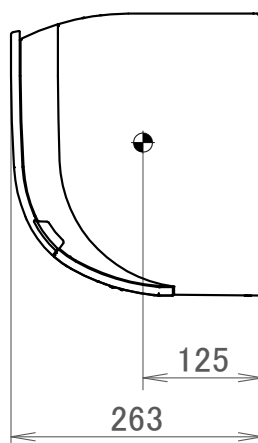
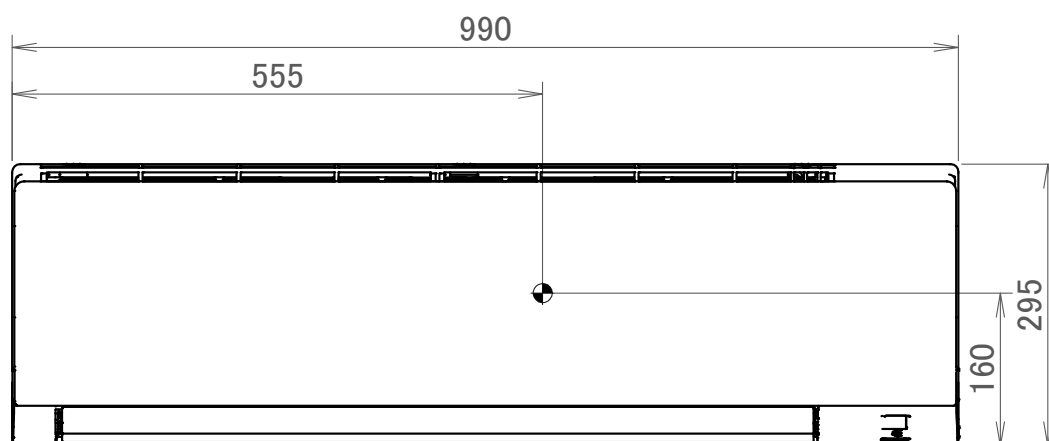


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXF71A



4D102903A

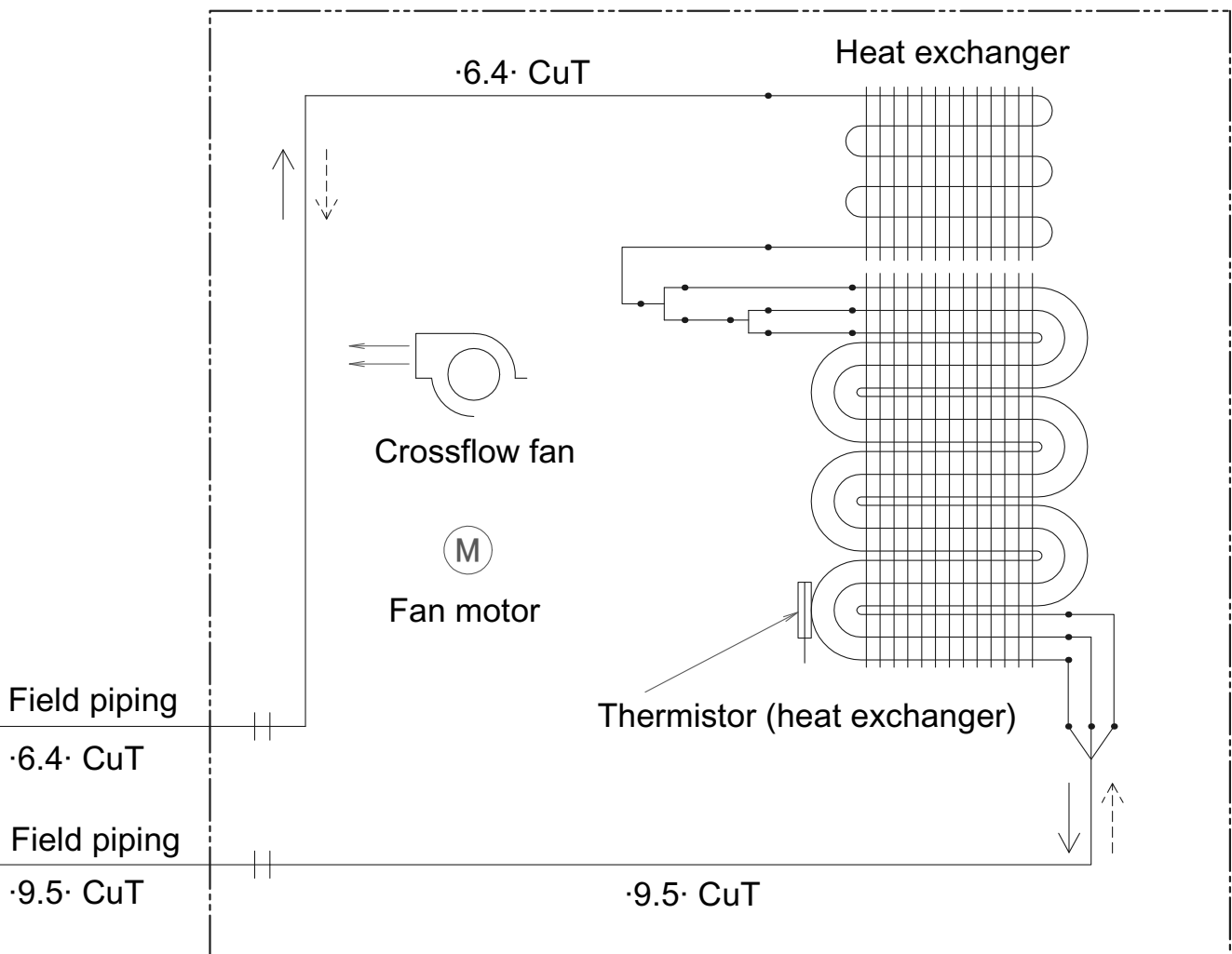
6 Piping diagrams

6 - 1 Piping Diagrams

FTXF20-35A

6

Indoor unit



Refrigerant flow

—→ Cooling

---→ Heating

4D098106B

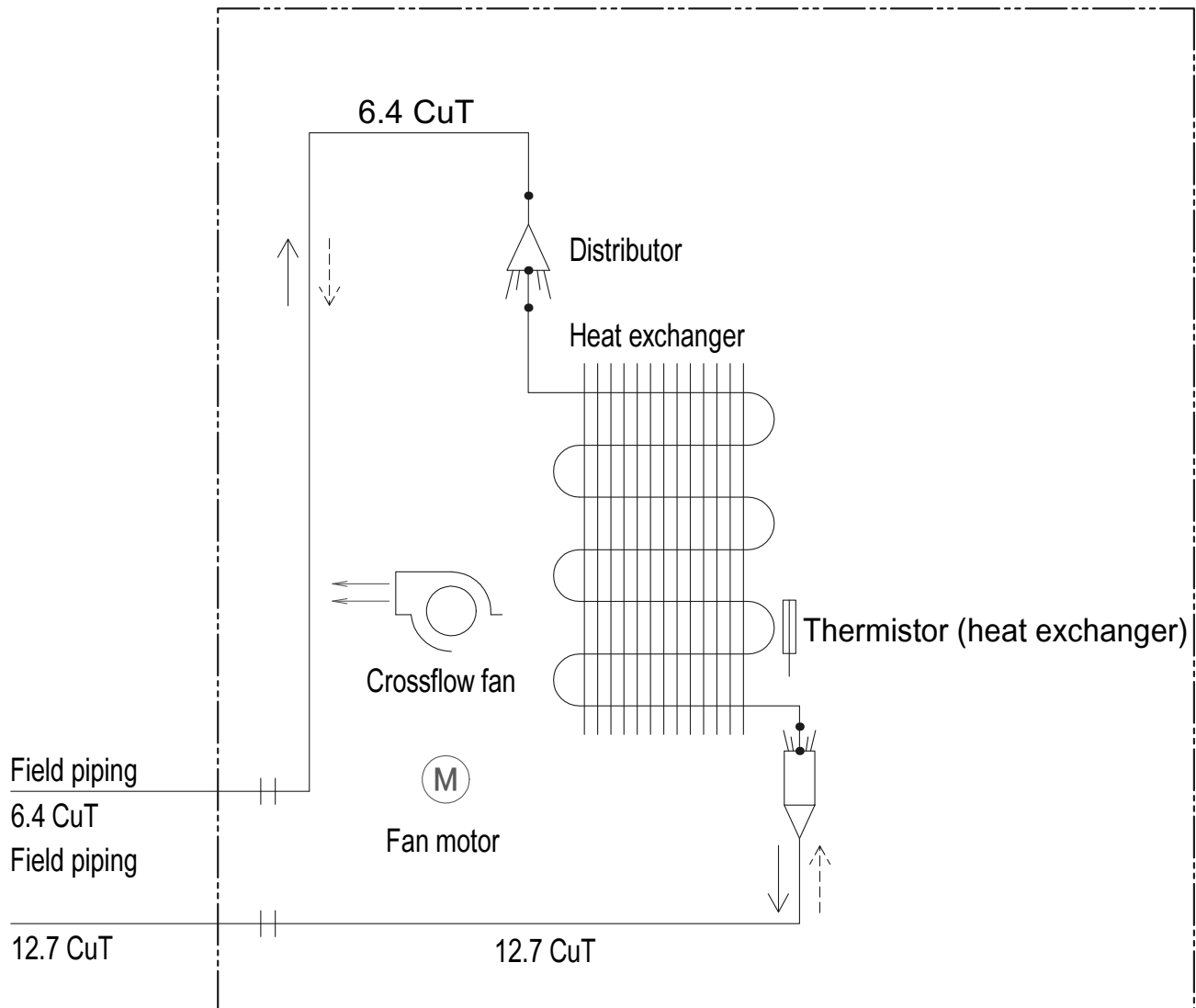
6 Piping diagrams

6 - 1 Piping Diagrams

FTXF50-71A

6

Indoor unit



Refrigerant flow

→ Cooling

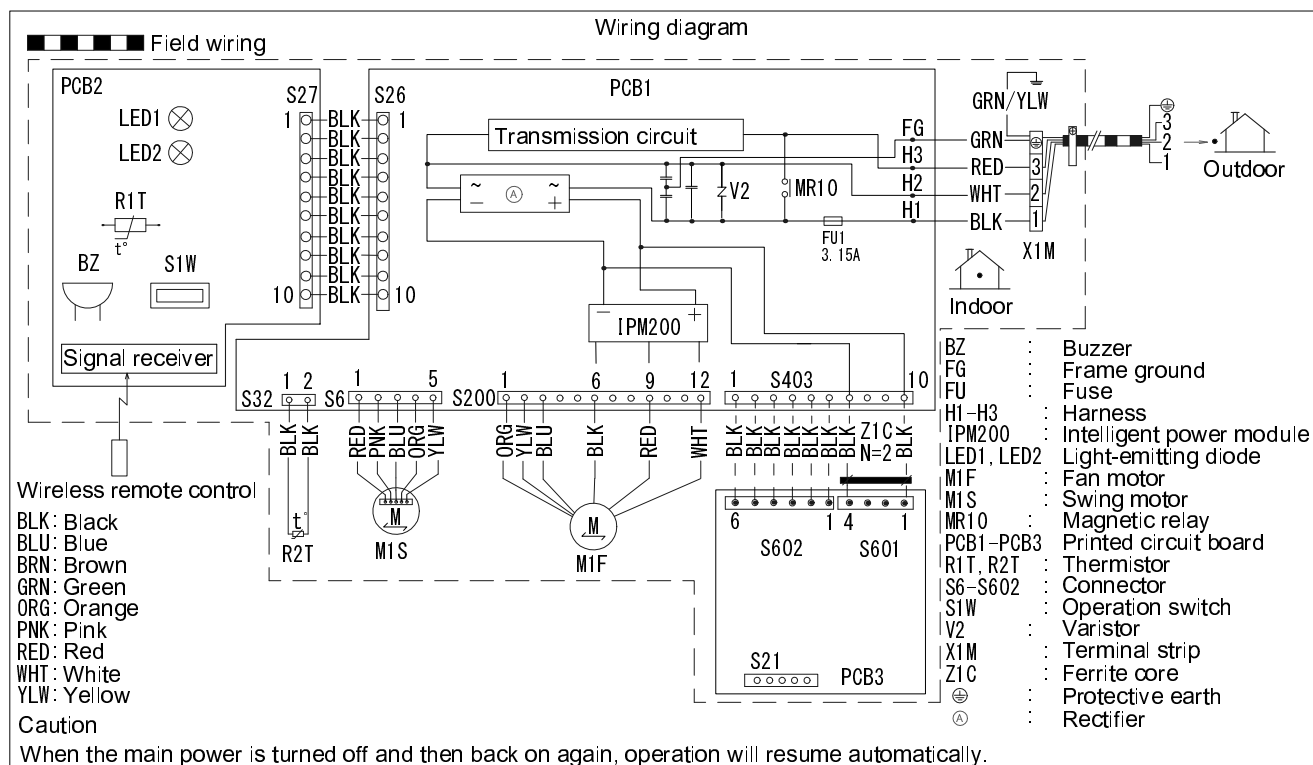
---→ Heating

4D101332D

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXF20-35A

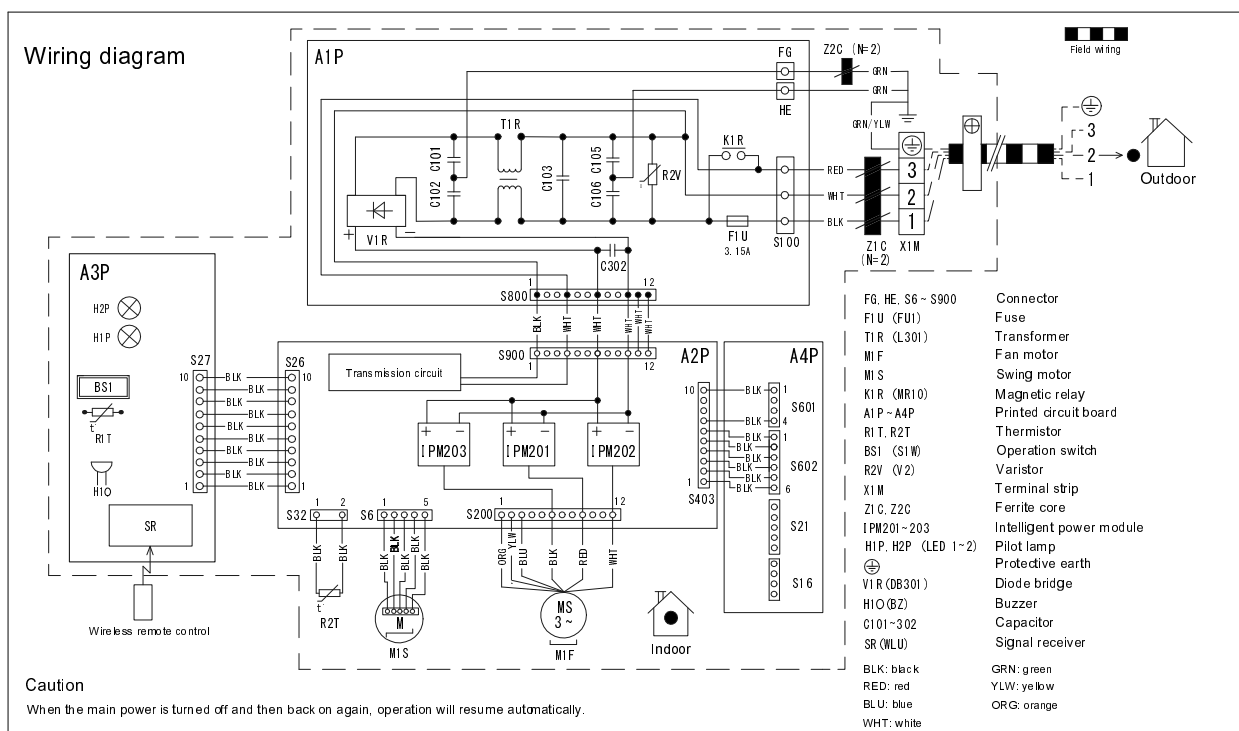


Notes

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

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FTXF50-71A



NOTES:

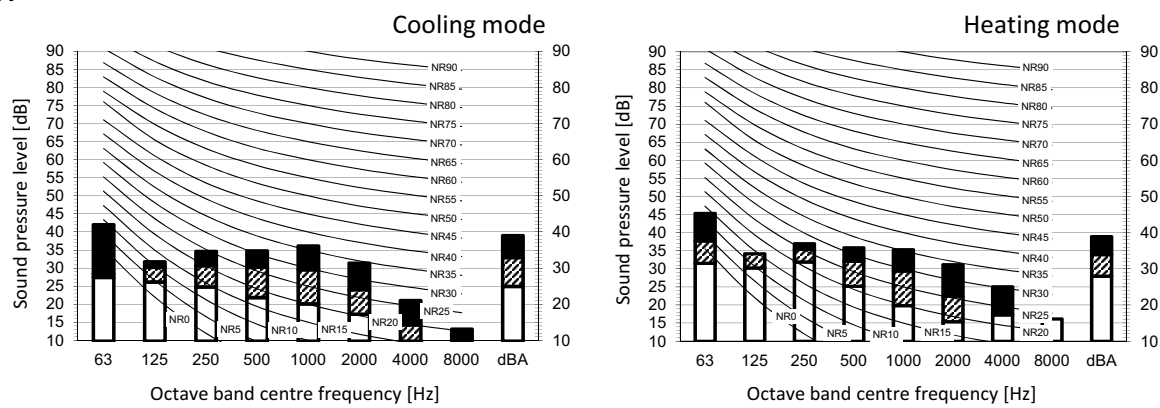
1. Size: length ·65· X width ·110·.
2. Refer to purchasing specification ·AS303002·, unless otherwise specified.

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXF20A



Legend

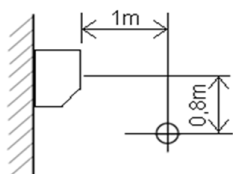
dBA = A-weighted sound pressure level (A scale according to IEC).

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

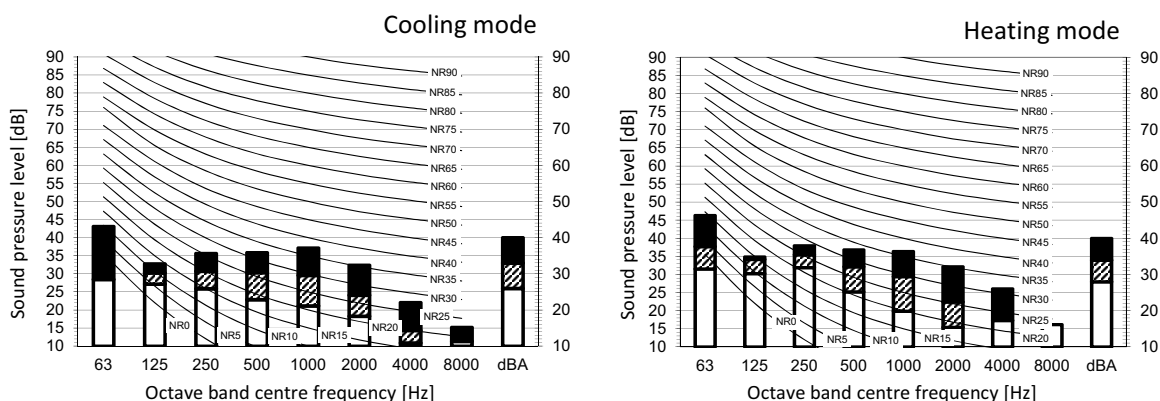


Notes

- 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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FTXF25A



Legend

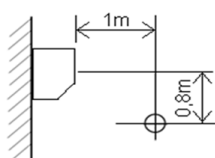
dBA = A-weighted sound pressure level (A scale according to IEC).

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

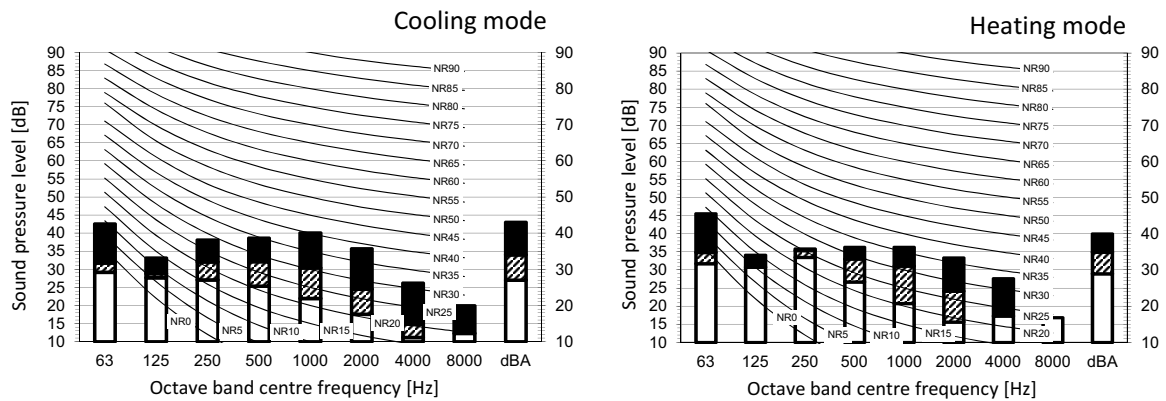
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D108790A

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

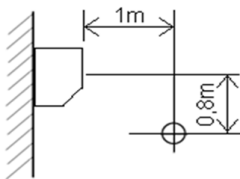
Heating Total dB

A	B	C	D
dBA	40	35	29

Notes

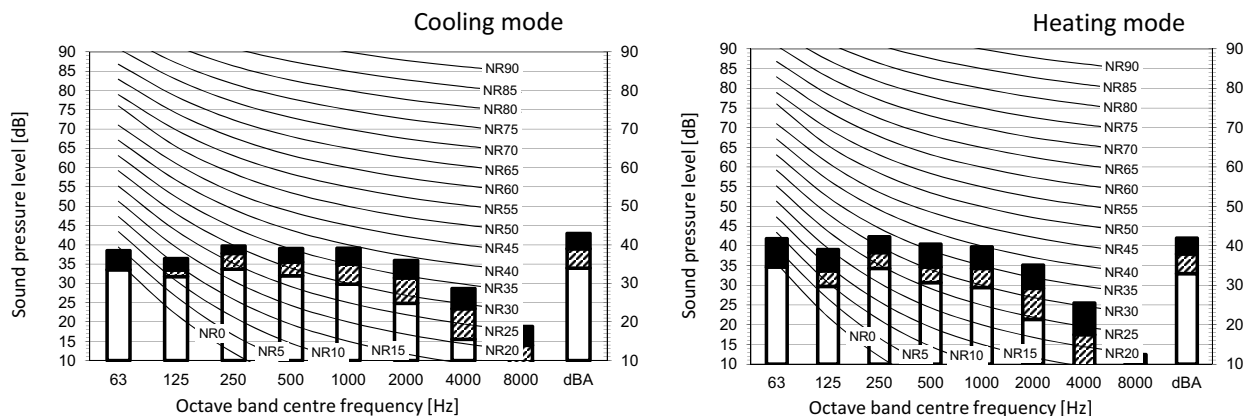
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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

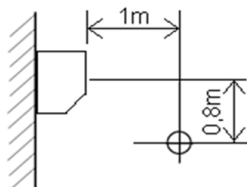
Heating Total dB

A	B	C	D
dBA	42	38	33

Notes

- 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

Location of microphone

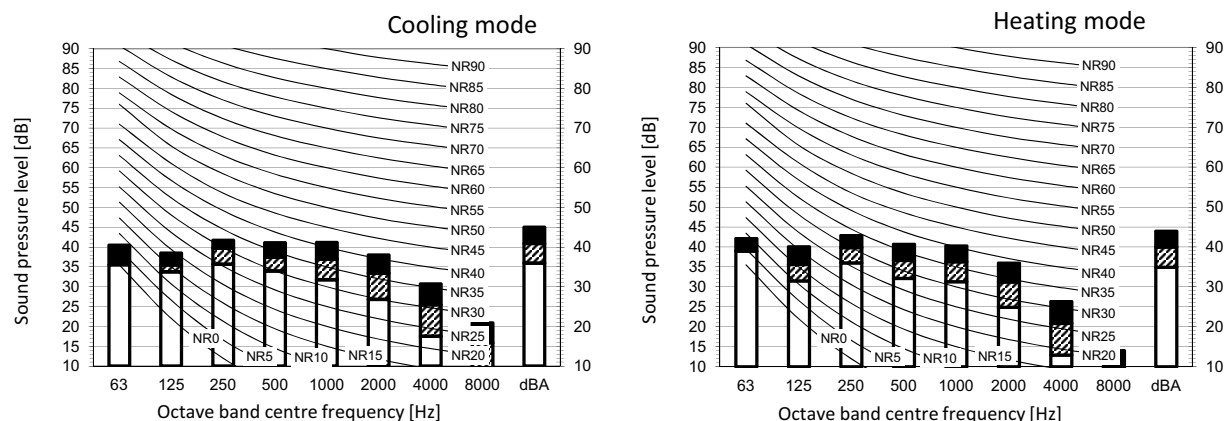


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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXF60A

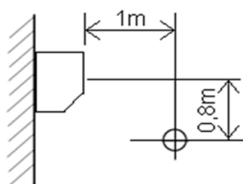


Legend

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

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

Location of microphone



Notes

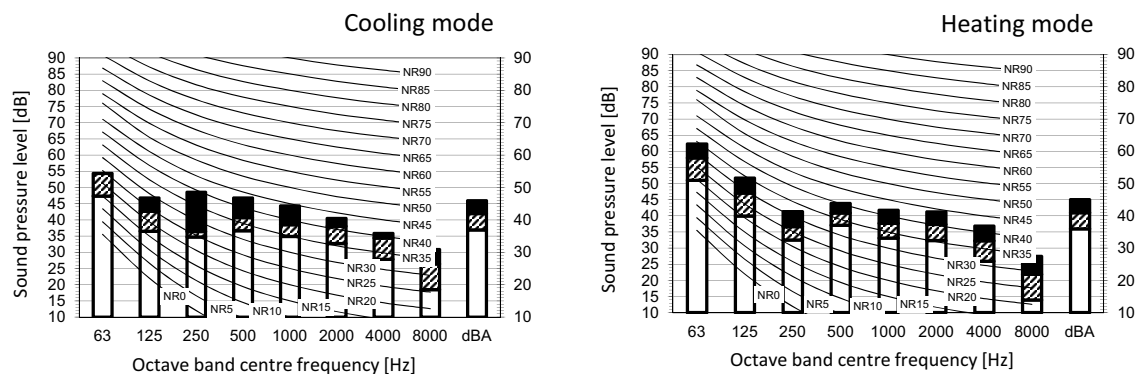
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Cooling		Total dB	
A	B	C	D
dBA	45	41	36

Heating		Total dB	
A	B	C	D
dBA	44	40	35

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FTXF71A

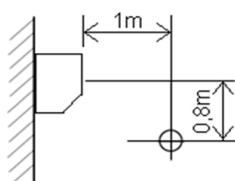


Legend

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

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

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

Cooling		Total dB	
A	B	C	D
dBA	46	42	37

Heating		Total dB	
A	B	C	D
dBA	45	41	36

3D108794

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11/18



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