

Wall mounted unit
Air Conditioning
Technical Data
FTXF-E



FTXF20E5V1B
FTXF25E5V1B
FTXF35E5V1B
FTXF42E5V1B

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FTXF-E


















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1 Features

1 - 1 FTXF-E

- > Seasonal efficiency values up to A++ in cooling
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- > Quiet in operation down to 20 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



- | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|
| 
Onecta app
(optional) | 
Econo mode
(25, 35 class) | 
Energy saving during
standby mode
(25, 35 class) | 
Fan only | 
Comfort mode
(25, 35 class) | 
Powerful mode | 
Auto cooling-
heating
changeover | 
Indoor
unit silent
operation | 
Vertical auto
swing |
| 
Auto fan
speed | 
Fan speed
steps
(5 steps) | 
Dry
programme | 
Air filter | 
24 hour timer | 
Infrared
remote control | 
Auto-restart | 
Self diagnosis | |

2 Specifications

2 - 1 Specifications

Technical specifications				FTXF20E	FTXF25E	FTXF35E	FTXF42E	
Power input	Cooling	Nom.	kW	0.023		0.029	0.040	
	Heating	Nom.	kW	0.023		0.029	0.040	
Casing	Colour			White				
Dimensions	Unit	Height	mm	286				
		Width	mm	770				
		Depth	mm	225				
	Packed unit	Height	mm	305				
		Width	mm	830				
		Depth	mm	360				
Weight	Unit		kg	8.00		8.50	9.00	
	Packed unit		kg	10		11		
Packing	Weight			kg				
Heat exchanger	Length			mm				
	Rows	Quantity		2				
	Fin pitch			mm				
	Stages	Quantity		18				
	Tube type			ø5 Hi-XB				
	Fin	Type		ML fin (Multi louver)				
	Heat exchanger 2	Length			mm		-	600
		Rows	Quantity		-			
Fin pitch			mm					
Stages		Quantity		-				
Fan	Type			Cross flow fan				
	Quantity			1				
Air flow rate	Cooling	High	m ³ /min	9.8	10.0	11.5	12.6	
			cfm	346	353	406	450	
			Medium	m ³ /min		8		9
		cfm	286	289	298	310		
		Low	m ³ /min	6.0	6.2	6.4	6.9	
		cfm	212	219	226	243		
	Heating	High	m ³ /min	4.3		4.4	4.9	
			cfm	152		155	173	
			Medium	m ³ /min	8.3	8.4	8.6	8.8
		cfm	293	297	302	310		
		Low	m ³ /min	6.2	6.4	6.5	6.7	
			cfm	219	226	230	236	
Silent operation	m ³ /min		5.3		5.2			
	cfm		187		183			
Fan motor	Model			DFD03C1VB				
	Speed	Steps		5 + silent, + auto				
Sound power level	Cooling	High	rpm	1,000	1,020	1,140	1,250	
			Medium	rpm	830		870	1,010
			Low	rpm	660		700	780
	Heating	High	Silent operation	rpm	530		540	600
			High	rpm	1,040		1,140	1,250
		Medium	rpm	880		930	1,010	
			Low	rpm	710		760	780
	Silent operation	rpm		610			650	
	Output	Rated		W				
		Cooling			53.0		54.0	
Sound pressure level	Cooling	High	dBA	39.0	40.0	43.0	45.0	
			Medium	dBA	33.0		34.0	36.0
		Low	dBA	25.0	26.0	27.0	30.0	
			Silent operation	dBA		20.0		22.0
	Heating	High	dBA	39.0	40.0		44.0	
			Medium	dBA	34.0		35.0	34.0
		Low	dBA	28.0		29.0	28.0	
			Silent operation	dBA		21.0		22.0
Piping connections	Liquid	OD	mm					
		Gas	OD	mm				
	Drain			mm				
	Heat insulation			Both liquid and gas pipes				
Air filter	Type			Removable / washable				
Air direction control				Right, Left, Horizontal, Downward				
Temperature control				Microcomputer control				
Control systems	Infrared remote control			ARC470A1				
	Wired remote control			BRC073A1				

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

2 Specifications

2 - 1 Specifications

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: General safety precautions;Quantity: 1;

2

Electrical specifications		FTXF20E	FTXF25E	FTXF35E	FTXF42E
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage	V		220-440	

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (horizontal) |

See separate drawing for electrical data

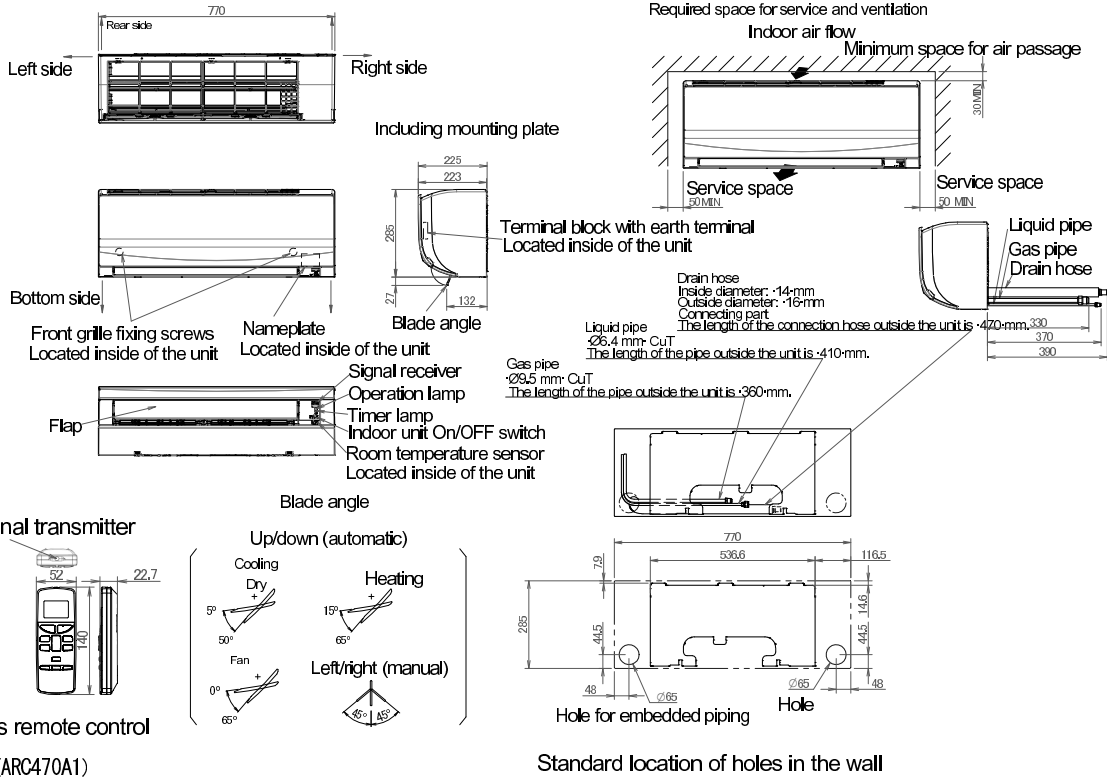
4 Dimensional drawings

4 - 1 Dimensional Drawings

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ATXF-E
FTXF-E

The \dashrightarrow mark shows the piping direction.

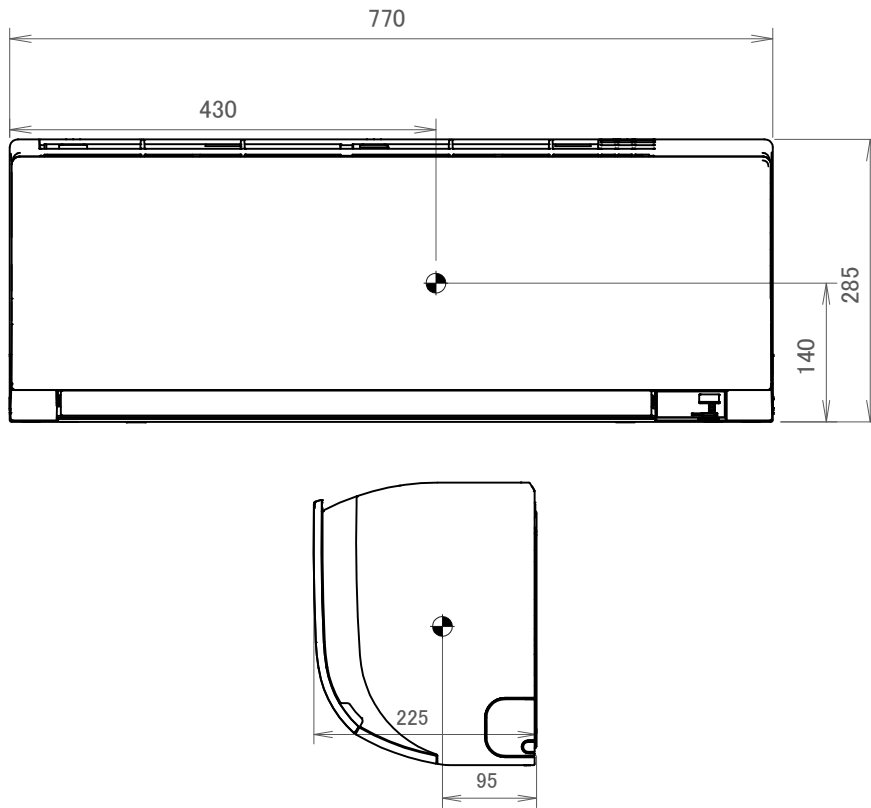


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5 Centre of gravity

5 - 1 Centre of Gravity

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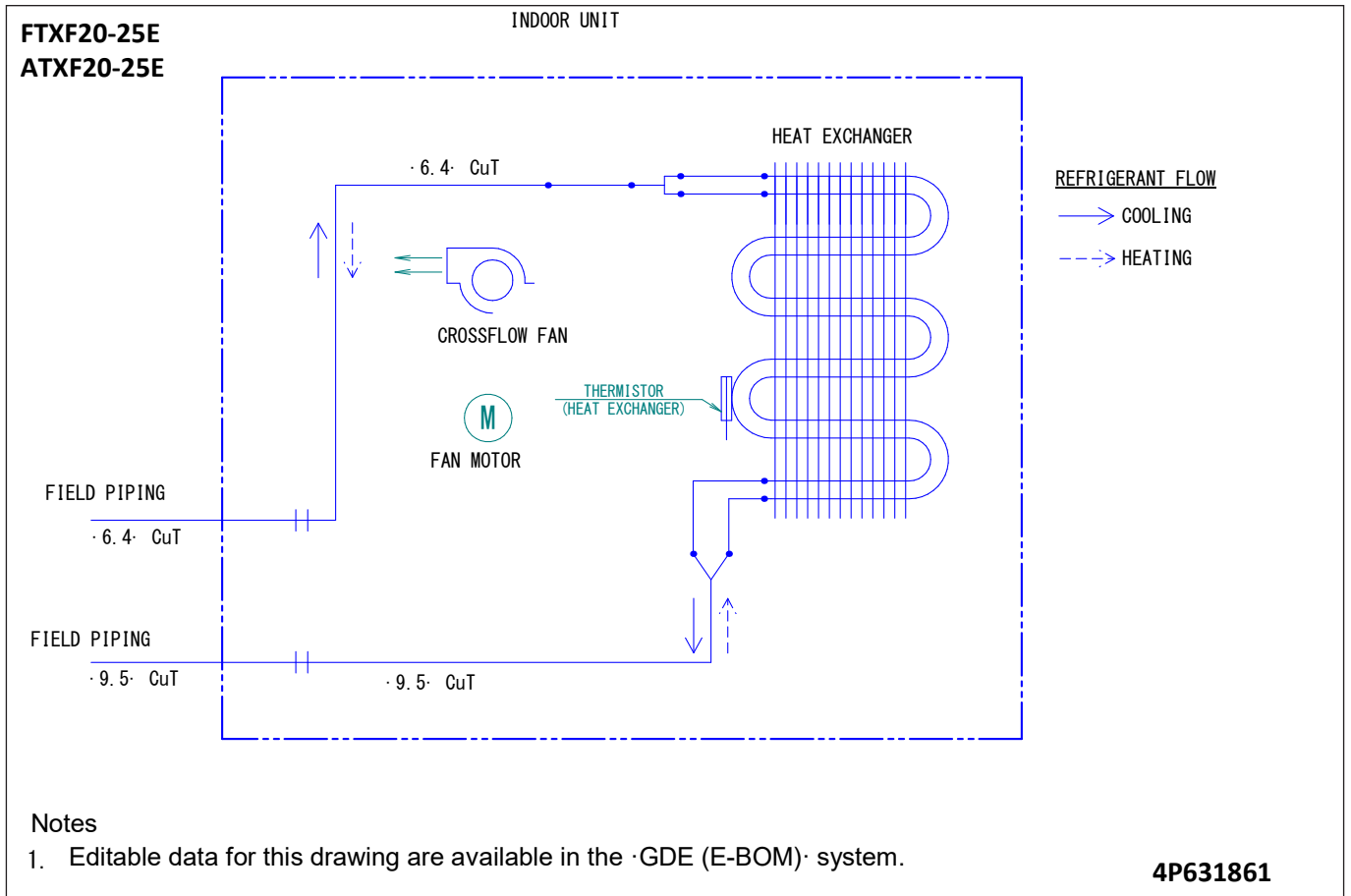


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6 Piping diagrams

6 - 1 Piping Diagrams

6



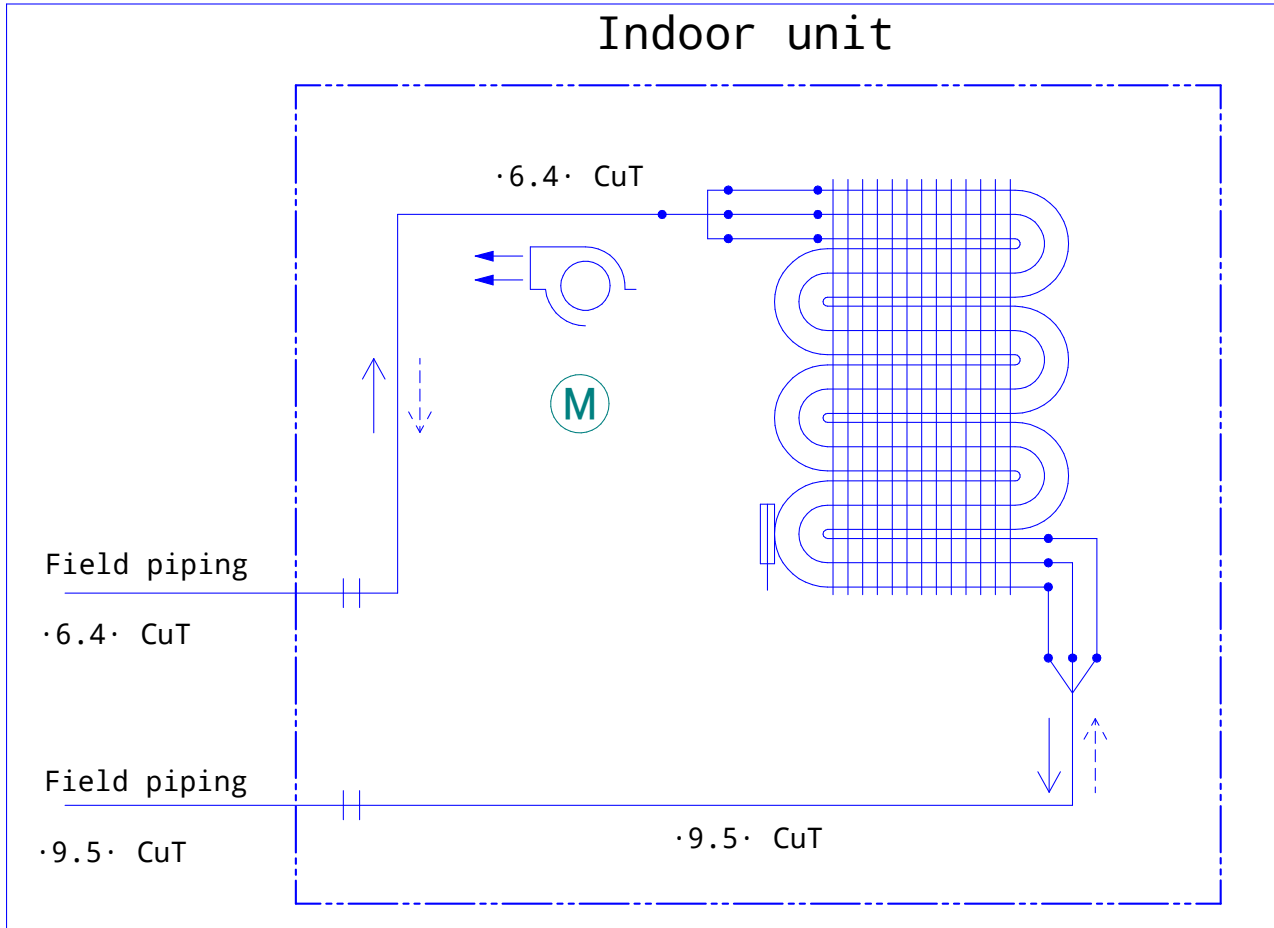
6 Piping diagrams

6 - 1 Piping Diagrams

ATXP20-25N

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FTXF35E





Refrigerant flow


→ Cooling

- - - -> Heating

 Crossflow fan

 Fan motor

 Thermistor (heat exchanger)

 Heat exchanger

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6 Piping diagrams

6 - 1 Piping Diagrams

6

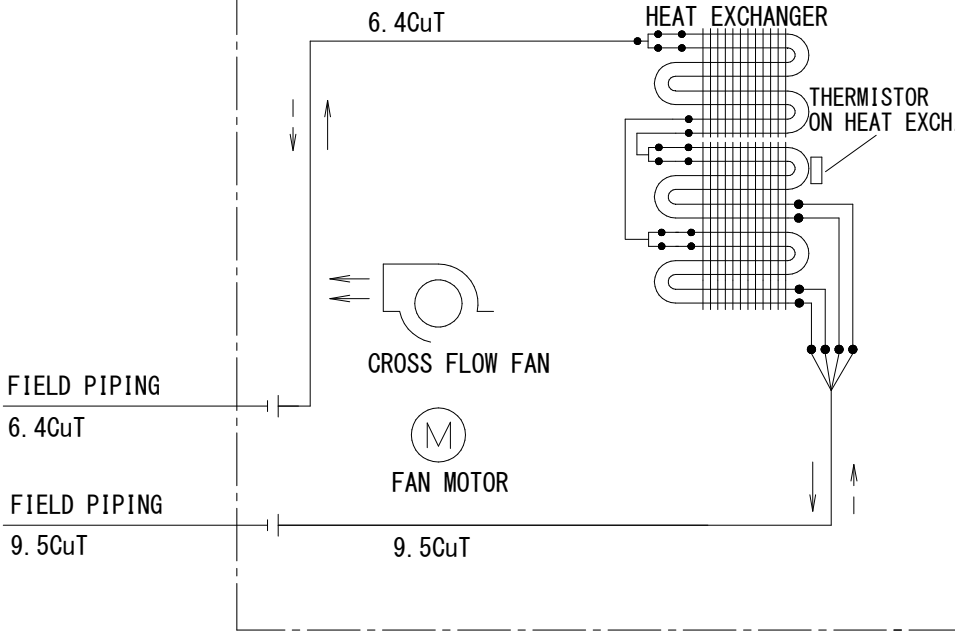
ATXF42E
FTXF42E

INDOOR UNIT

REFRIGERANT FLOW

—> COOLING

-> HEATING



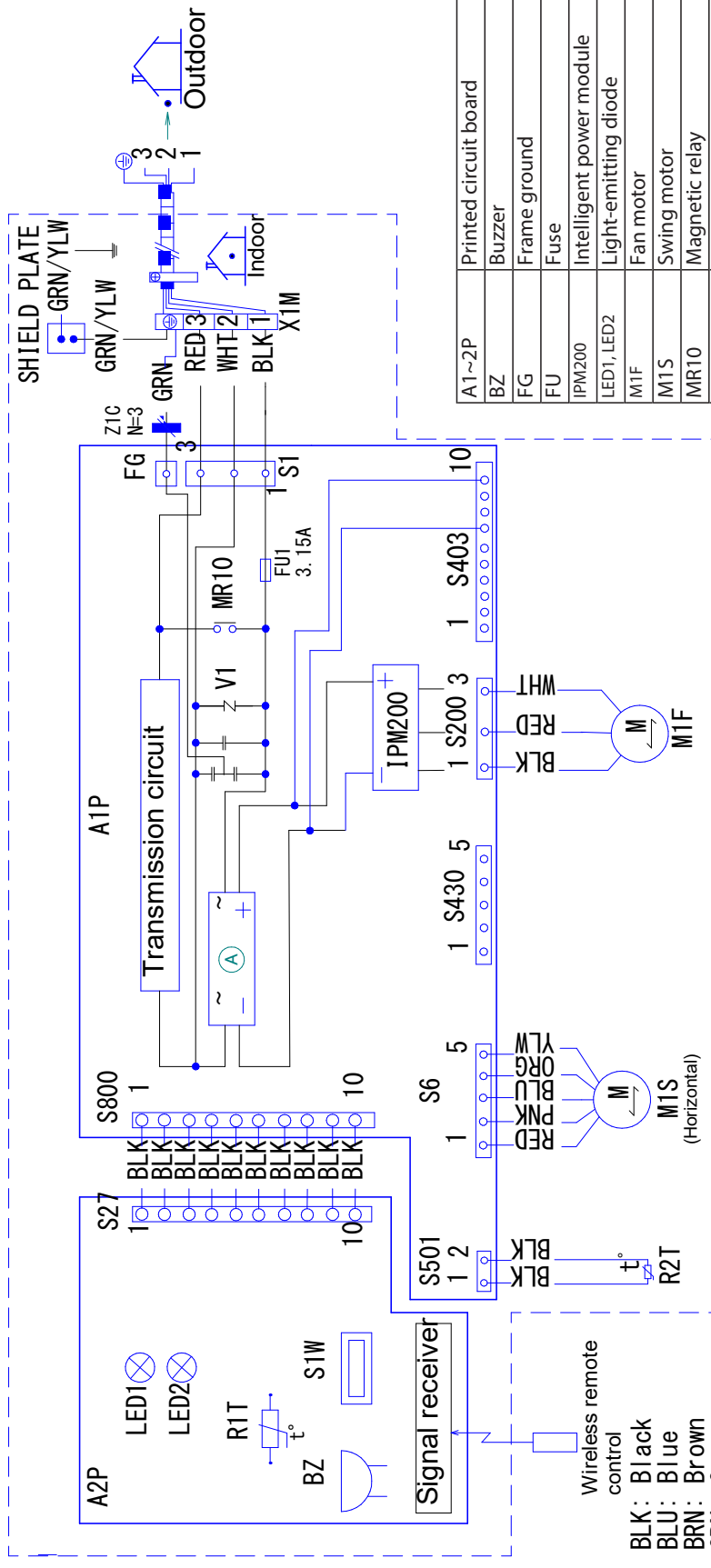
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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Wiring diagram



A1~2P	Printed circuit board
BZ	Buzzer
FG	Frame ground
FU	Fuse
IPM200	Intelligent power module
LED1, LED2	Light-emitting diode
M1F	Fan motor
M1S	Swing motor
MR10	Magnetic relay
R1T, R2T	Thermistor
S1~S800	Connector
S1W	Operation switch
V1	Varistor
X1M	Terminal strip
Z1C	Ferrite core
⊕	Protective earth
⚡	Earth
A	Rectifier

- Wireless remote control
- BLK: Black
 - BLU: Blue
 - BRN: Brown
 - GRN: Green
 - ORG: Orange
 - PNK: Pink
 - RED: Red
 - WHT: White
 - YLW: Yellow

Field wiring:



CAUTION

When the main power is turned off and then back on again, operation will resume automatically.

NOTES

1. Size : length 70 x width 120
2. Unless otherwise specified refer to purchasing specification AS303002.

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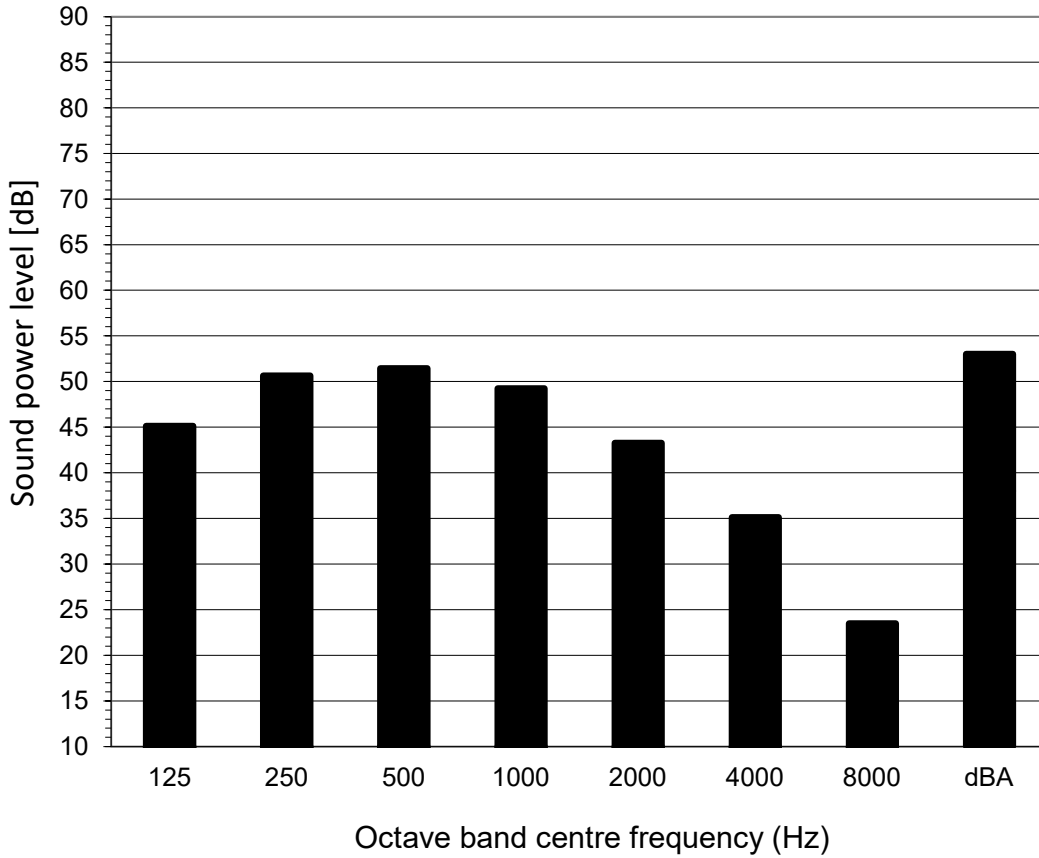
8 Sound data

8 - 1 Sound Power Spectrum

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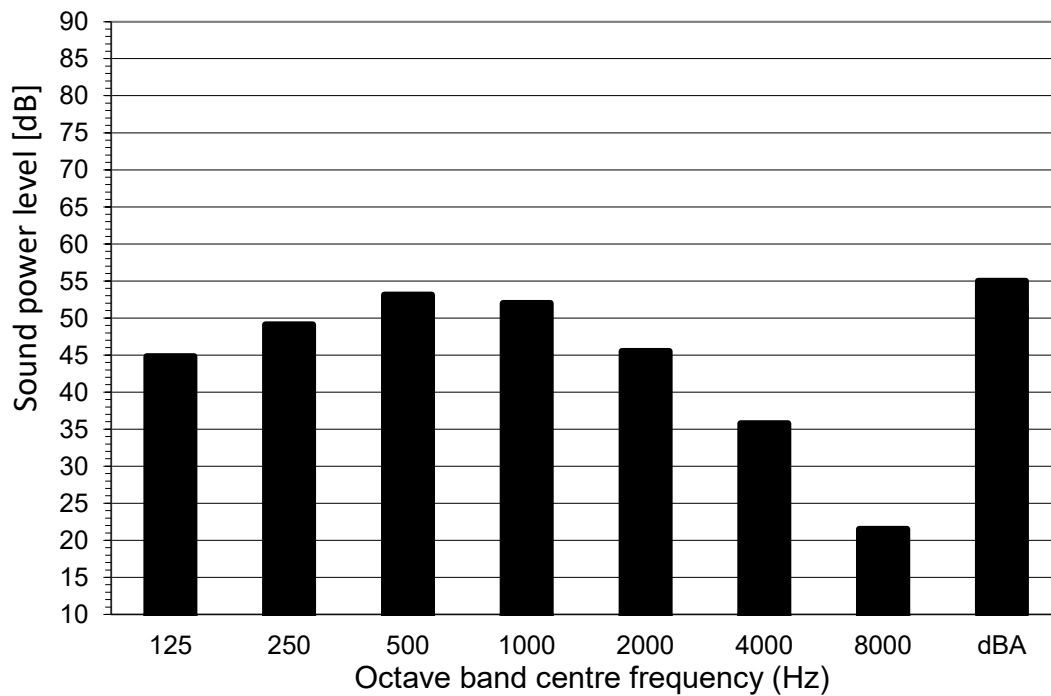
ATXF20E
FTXF20E

Cooling mode



Heating mode

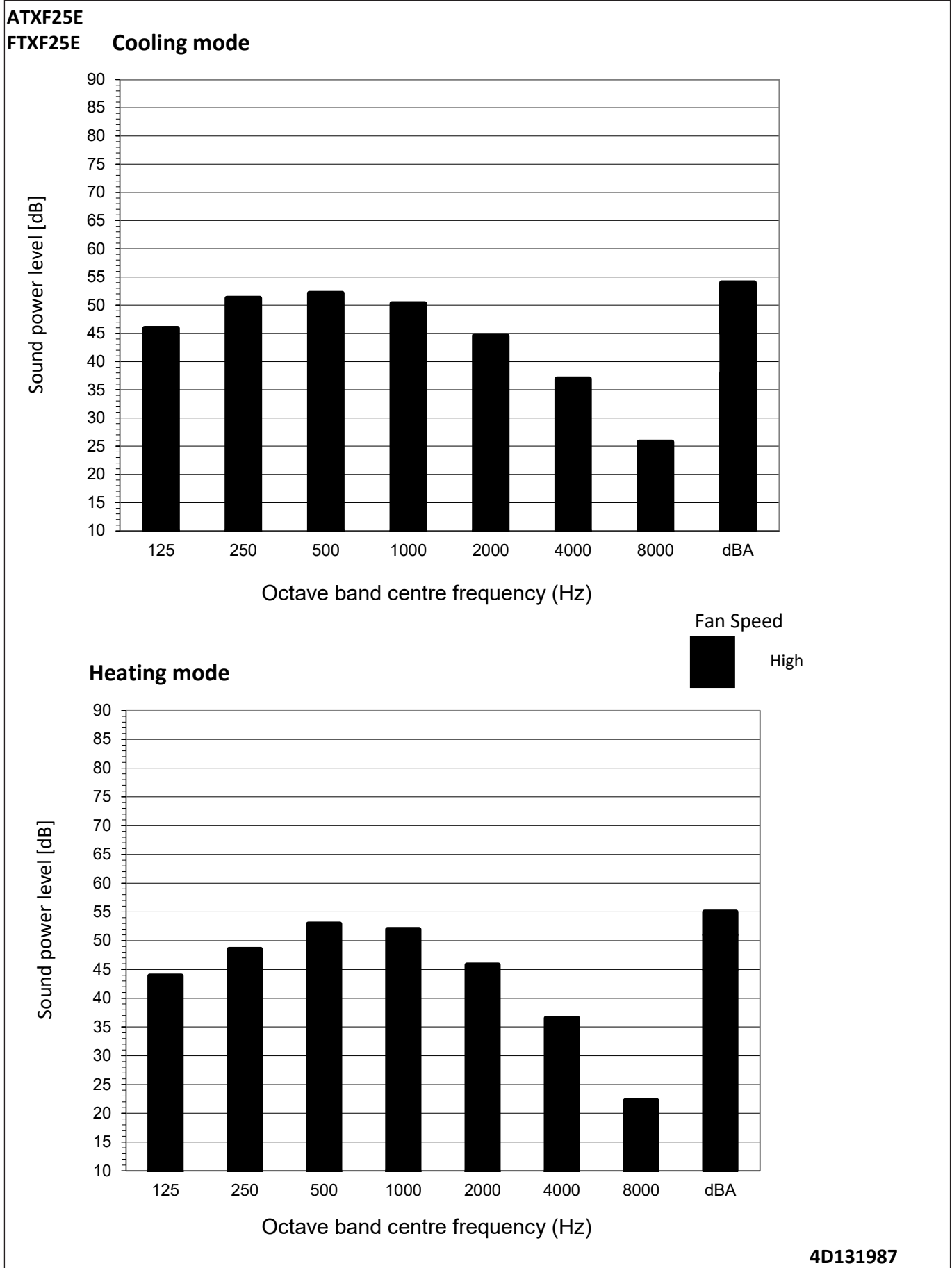
Fan Speed
 High



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8 Sound data

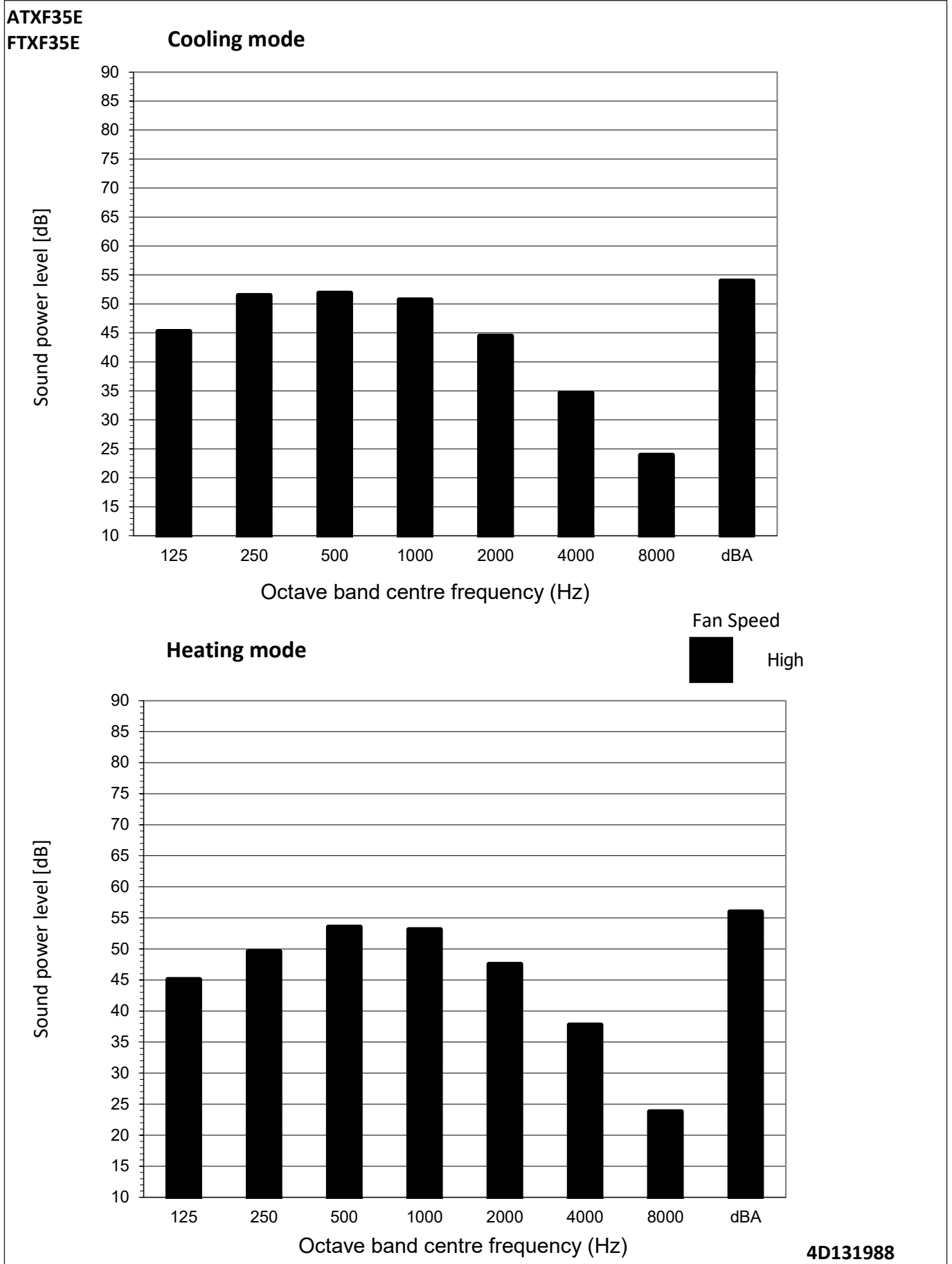
8 - 1 Sound Power Spectrum



8 Sound data

8 - 1 Sound Power Spectrum

8



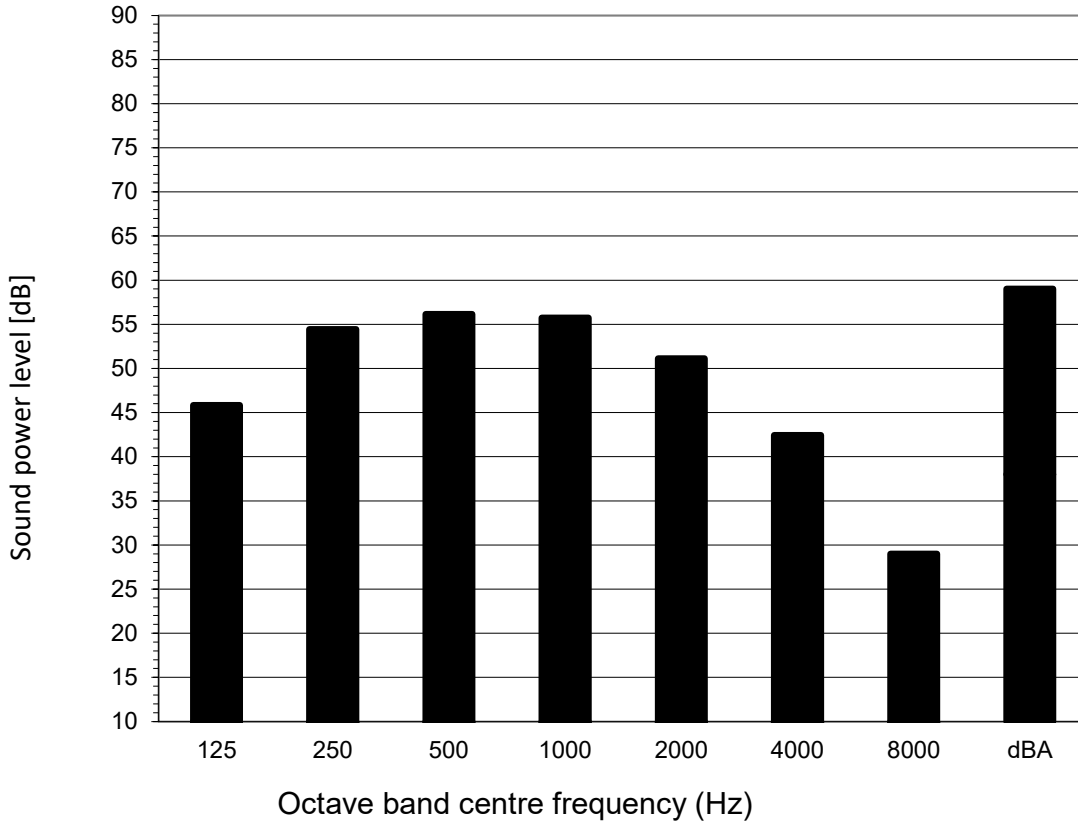
8 Sound data

8 - 1 Sound Power Spectrum

ATXF42E

FTXF42E

Cooling mode

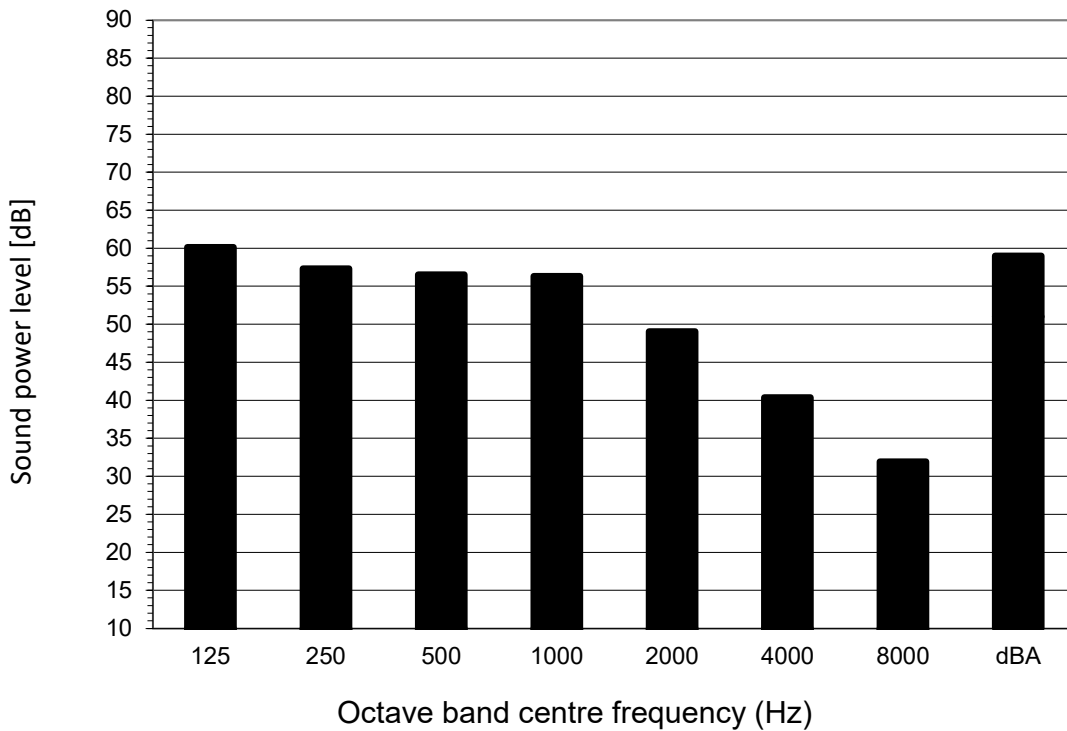


Heating mode

Fan Speed



High



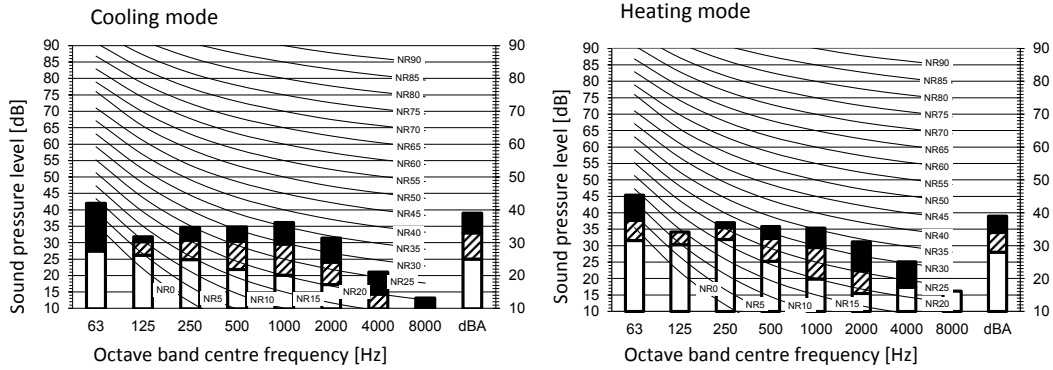
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8 Sound data

8 - 2 Sound Pressure Spectrum

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ATXF20E
FTXF20E



Legend

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

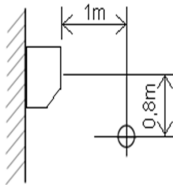
A Scale Fan speed
 B High
 C Medium
 D Low

Cooling		Total dB	
A	B	C	D
dBA	39	33	25

Heating		Total dB	
A	B	C	D
dBA	39	34	28

Notes

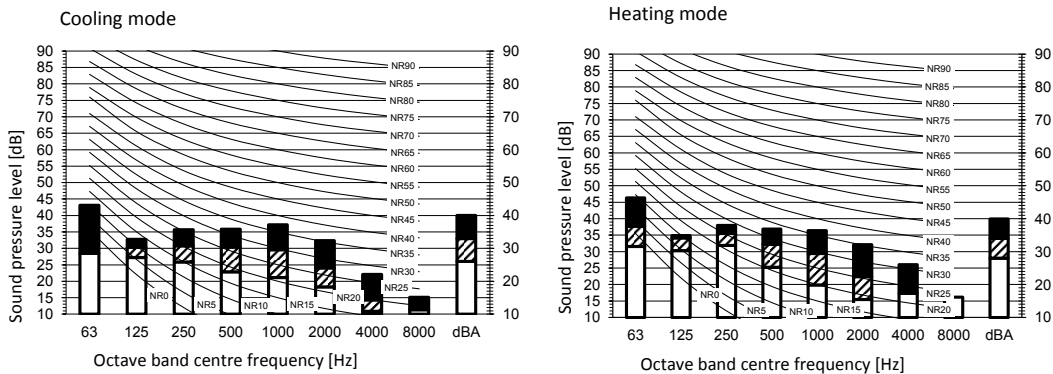
Location of microphone



- 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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ATXF25E
FTXF25E



Legend

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

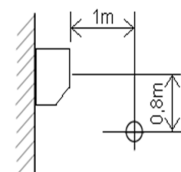
A Scale Fan speed
 B High
 C Medium
 D Low

Cooling		Total dB	
A	B	C	D
dBA	40	33	26

Heating		Total dB	
A	B	C	D
dBA	40	34	28

Notes

Location of microphone



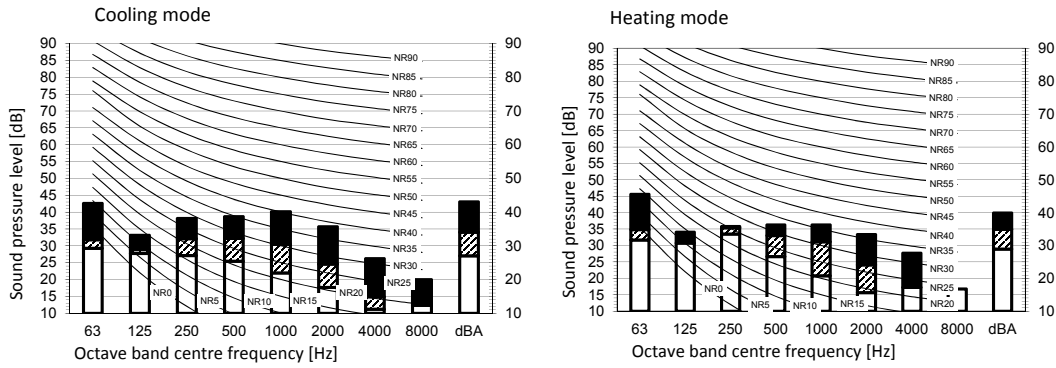
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic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

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8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF35E
FTXF35E
ATXP35N



Legend

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

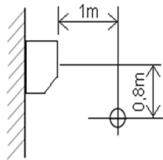
A Scale Fan speed
 B High
 C Medium
 D Low

Cooling		Total dB	
A	B	C	D
dBA	43	34	27

Heating		Total dB	
A	B	C	D
dBA	40	35	29

Notes

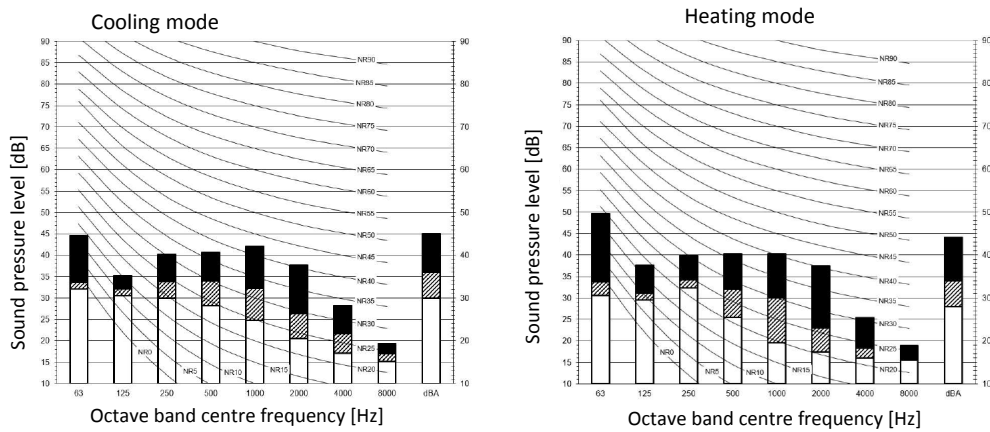
Location of microphone



- 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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ATXF42E
FTXF42E



Legend

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

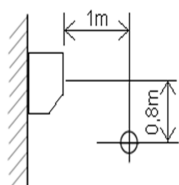
A Scale Fan speed
 B High
 C Medium
 D Low

Cooling		Total dB	
A	B	C	D
dBA	45	36	30

Heating		Total dB	
A	B	C	D
dBA	44	34	28

Notes

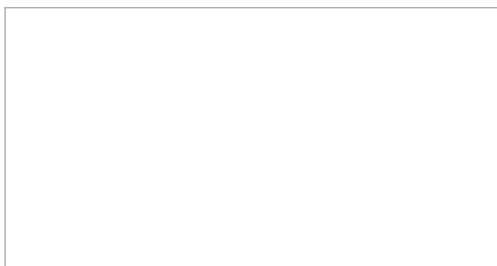
Location of microphone



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01/2023



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