

Air Conditioning Technical Data

FAA-A



- > FAA71AUVEB
- > FAA100AUVEB

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1 Features

For rooms with no false ceilings nor free floor space

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- Reduced energy consumption thanks to specially developed DC fan motor
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit
- Optimum comfort guaranteed with automatic air-flow volume control as this minimises the difference between room and required temperature. No action required from occupants to meet the desired temperature.
- Unified indoor unit for use with R-32 and R-410A refrigerant reduces stock cost
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.



Infrastructure cooling



Home leave operation



Fan only



Auto cooling-heating changeover



Vertical auto swing



Fan speed steps



Dry programme



Air filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Drain pump kit



Twin/triple/double twin application

2 Specifications

2-1 Technical Specifications					FAA71A	FAA100A
Power input - 50Hz	Cooling	Nom.	kW		0.051	0.061
	Heating	Nom.	kW		0.068	0.061
Casing	Colour	Fresh White				
	Material	Resin				
Dimensions	Unit	Height/Width/Depth	mm		290/1,050/238	340/1,200/240
	Packed unit	Height/Width/Depth	mm		366/1,147/337	429/1,310/325
Weight	Unit		kg		13.0	17.0
	Packed unit		kg		19	24
Heat exchanger	Fin	Type	Cross fin coil (Multi slit fins and Hi-XB tubes)			
Fan	Type	Cross flow fan				
	Quantity	1				
	Air flow rate	Cooling	High	m³/min	18.0	26.0
				cfm	636	918
			Medium	m³/min	16	23
				cfm	565	812
			Low	m³/min	14.0	19.0
				cfm	494	671
		Heating	High	m³/min	18.0	26.0
				cfm	636	918
			Medium	m³/min	16.0	23.0
				cfm	565	812
			Low	m³/min	14.0	19.0
				cfm	494	671
Fan motor	Speed	Steps			3	
	Output	High	W		48	64
	Phase x Voltage		V		DC310	DC325
	Full load amps (FLA)	Cooling	A		0.3	0.4
		Heating	A		0.4	
Sound power level	Cooling		dBA		61	65
	Heating		dBA		61	65
Sound pressure level	Cooling	High/Medium/Low	dBA		45/42/40	49/45/41
	Heating	High/Medium/Low	dBA		45/42/40	49/45/41
Refrigerant	Type	R-410A / R-32				
Piping connections	Liquid	Type/OD	mm		Flare connection/9,52	
	Gas	Type/OD	mm		Flare connection/15.9	
	Drain				VP13 (I.D. 13/O.D. 18)	
	Heat insulation				Foamed polystyrene/polyethylene	
2-2 Electrical Specifications					FAA71A	FAA100A
Power supply	Phase				1~	
	Frequency		Hz		50	
	Voltage		V		220-240	

3 Safety device settings

3 - 1 Safety Device Settings

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Safety devices		71	100
FAA~AUVEB	Fan motor fuse (on wire)	250V, 3.15A	250V, 3.15A

Notes

- 1 Editable data for this drawing are available in the GDE (E-BOM) system.

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4 Options

4 - 1 Options

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				FAA71AUVEB	FAA100AUVEB
1	Remote control	Wireless	Heat pump operation	BRC7EB518	
			Cooling only	BRC7EB519	
		Wired	BRC1E53A7 ⁽¹⁾⁽⁴⁾ , BRC1E53B7 ⁽²⁾⁽⁴⁾ , BRC1E53C7 ⁽³⁾⁽⁴⁾ , BRC1E51A7, BRC1D528		
2	Simplified remote control (with operation mode selector button)			BRC2E52C7 ⁽⁵⁾	
3	Simplified remote control (without operation mode selector button)			BRC3E52C7 ⁽⁵⁾	
4	Wiring adaptor for electrical appendices (2)			KRP4AA51 ⁽⁶⁾	
5	Installation box for adaptor PCB			KRP4AA93 ⁽⁶⁾	
6	Central remote control			DCS302CA51	
6-1	Electrical box with earth terminal (3 blocks)			KJB311AA	
7	Unified ON/OFF controller			DCS301BA51	
8-1	Electrical box with earth terminal (2 blocks)			KJB212AA	
8-2	Noise filter (for electromagnetic interface only)			KEK26-1A	
9	Schedule timer			DST301BA51	
10	Remote sensor			KRCS01-4B	
11	Drain plug kit			K-KDU572EVE	
12	iTouch Controller			DCS601C51	
13	Digital input adaptor			BRP7A51 ⁽⁶⁾⁽⁷⁾	

(1) Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.

(2) Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.

(3) Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.

(4) Includes duty rotation functionality

(5) Included languages are:

Language pack 1: English, German, French, Dutch, Spanish, Italian, and Portuguese.

With PC cable EKPCAB3 in combination with the Updater PC software, you can additionally change the language to:

Language pack 2: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.

Language pack 3: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.

(6) Requires installation box 6.

(7) Only possible in combination with simplified remote control BRC2/3E52C7.

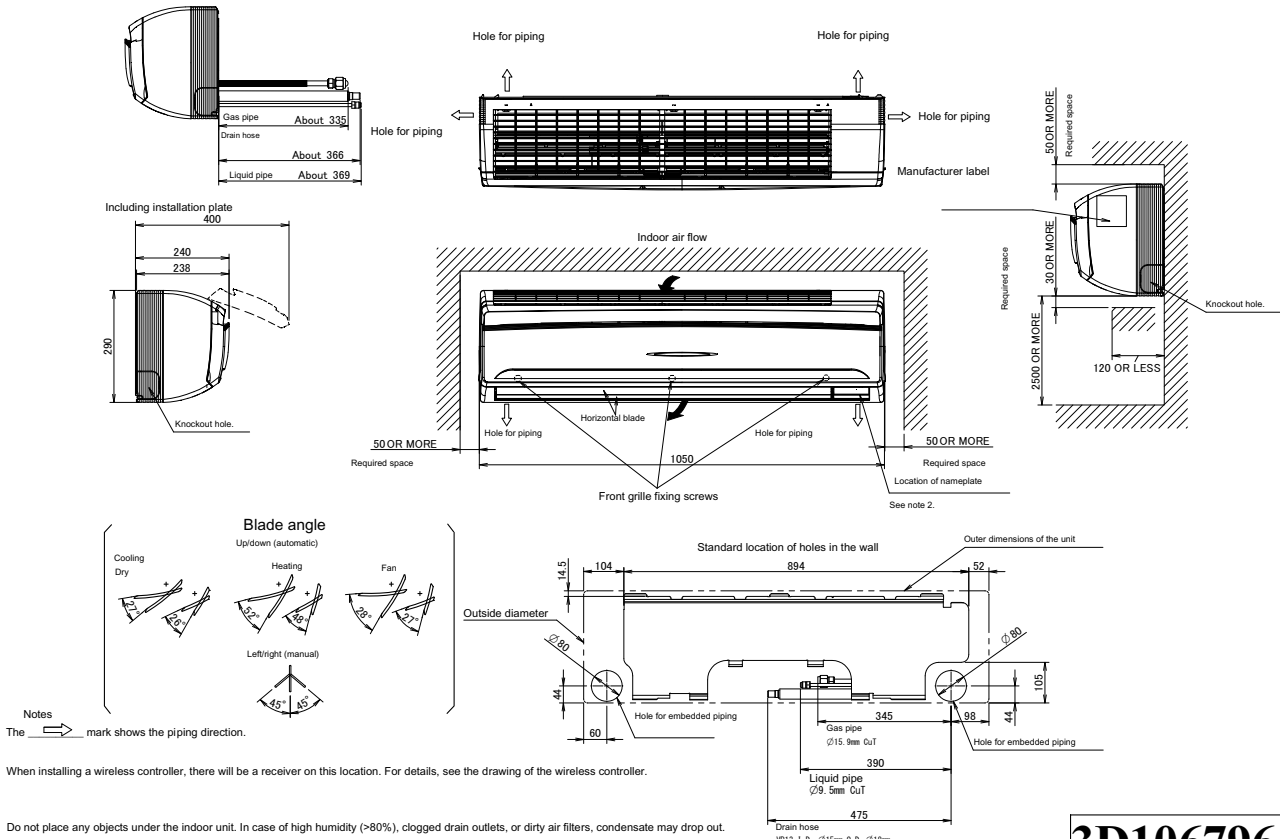
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5 Dimensional drawings

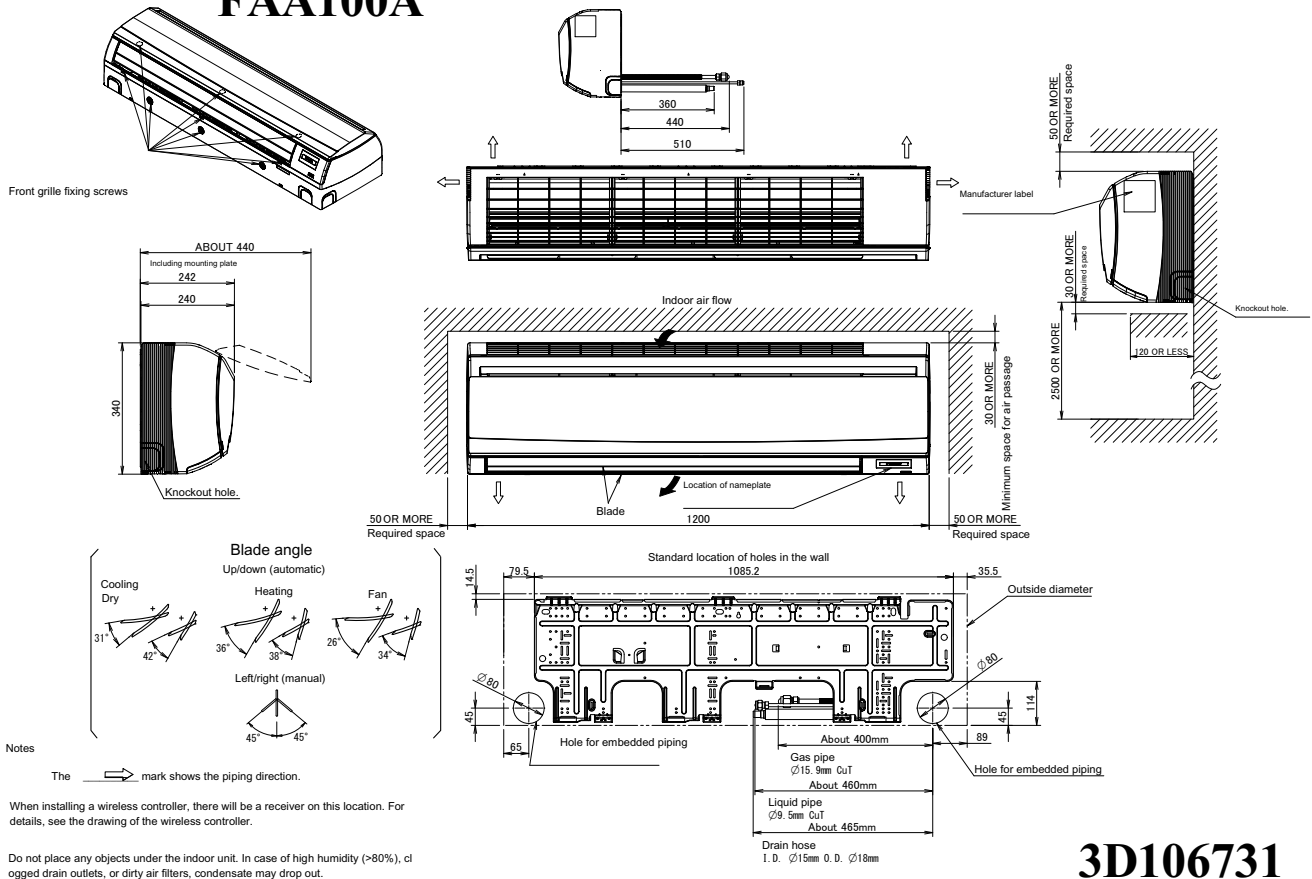
5 - 1 Dimensional Drawings

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FAA100A

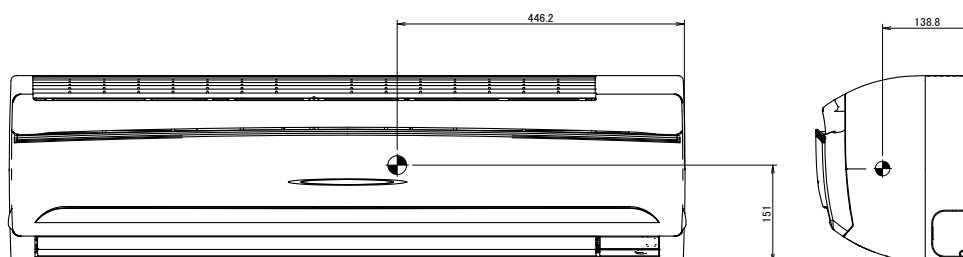


6

6 Centre of gravity

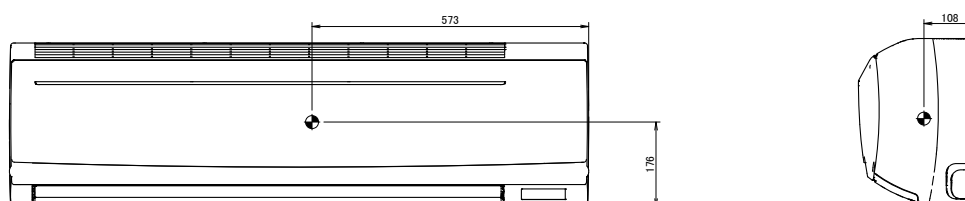
6 - 1 Centre of Gravity

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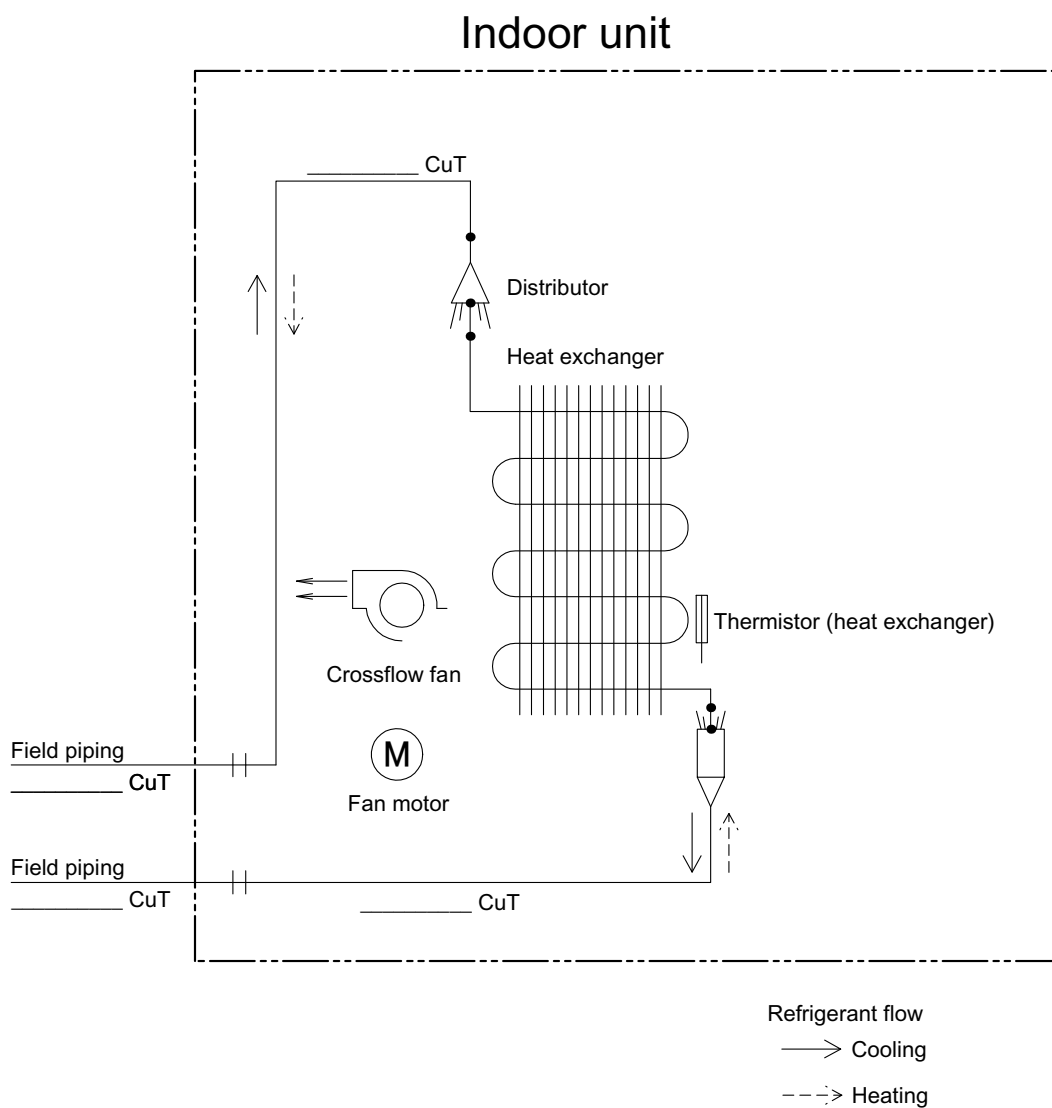


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7 Piping diagrams

7 - 1 Piping Diagrams

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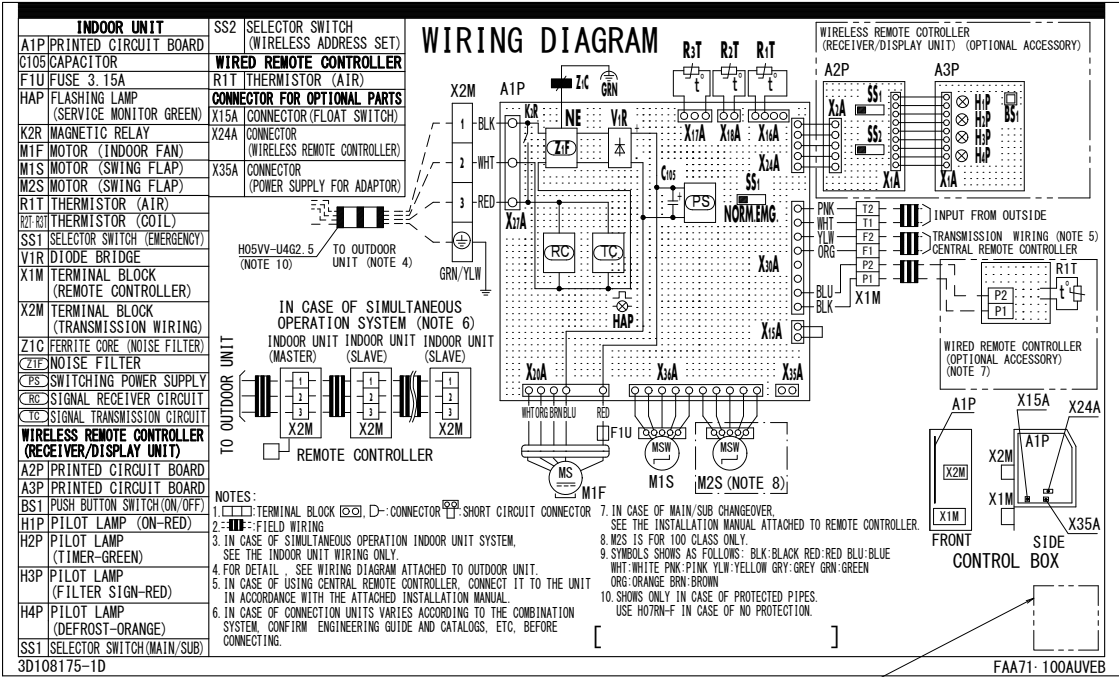
Applicable models

FAA71AUEB/FAA100AUEB

4D107908

8 Wiring diagrams
8 - 1 Wiring Diagrams - Single Phase

FAA-A



QR CODE (SIZE: 10x10 OR MORE)
DATA: DWG. No. WITHOUT REVISION MARK
EXAMPLE: 3D108175-1

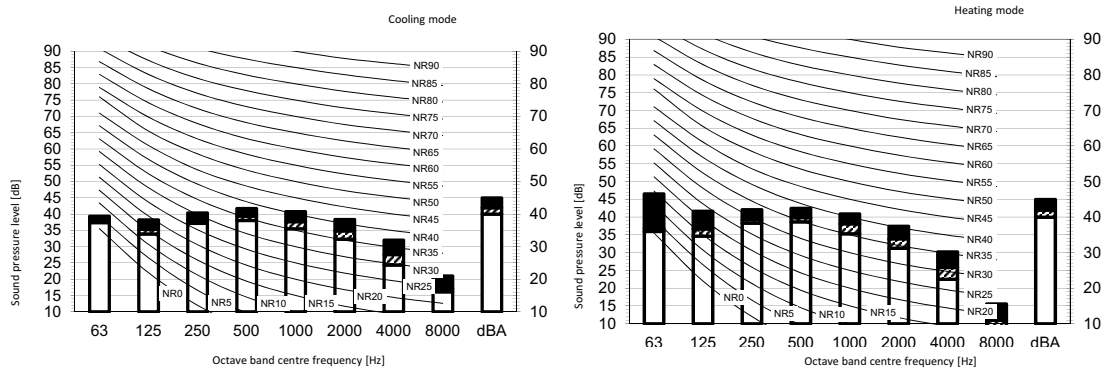
- NOTES:
1. POLYESTER FILM, t=50μm
 2. BASE: WHITE, LETTERS AND LINE: BLACK
 3. LABEL DIMENSIONS: 104 X 174
 4. LOCATION OF SLIT ON THE REAR SIDE (RELEASE PAPER) MUST BE 58mm FROM UPPER EDGE.

3D108175E

9 Sound data

9 - 1 Sound Pressure Spectrum

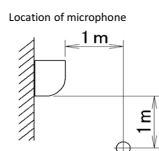
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Legend

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

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



Cooling Total dB

A	B	C	D
dBA	45	42	40

Notes

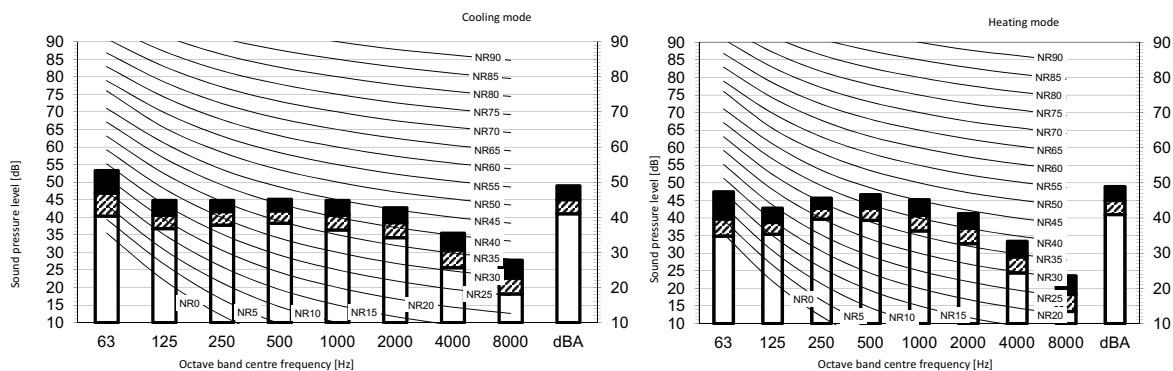
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber
- Editable data for this drawing are available in the GDE (E-BOM) system.

Heating Total dB

A	B	C	D
dBA	45	42	40

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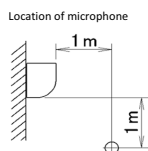
FAA100A



Legend

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

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



Cooling Total dB

A	B	C	D
dBA	49	45	41

Notes

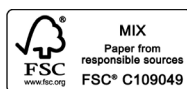
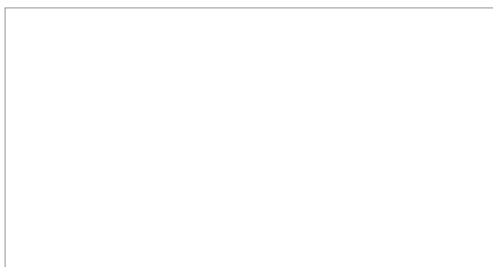
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber
- Editable data for this drawing are available in the GDE (E-BOM) system.

Heating Total dB

A	B	C	D
dBA	49	45	41

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05/17



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