



# Wall mounted unit Air Conditioning Technical Data FAA-A



FAA71AUVEB  
FAA100AUVEB



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## FAA-A

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# 1 Features

## 1 - 1 FAA-A

For rooms with no false ceilings nor free floor space

1

- › 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
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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



- |                         |                      |                     |                                 |                     |                 |                |                                     |              |
|-------------------------|----------------------|---------------------|---------------------------------|---------------------|-----------------|----------------|-------------------------------------|--------------|
|                         |                      |                     |                                 |                     |                 |                |                                     |              |
| 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 | Online controller via app       | Auto-restart        | Self diagnosis  | Drain pump kit | Twin/triple/double twin application |              |

## 2 Specifications

### 1 - 1 FAA-A

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	mm	290	340	
		Width	mm	1,050	1,200	
		Depth	mm	238	240	
	Packed unit	Height	mm	366	429	
		Width	mm	1,147	1,310	
		Depth	mm	337	325	
Weight	Unit			kg	13.0	17.0
	Packed unit			kg	19	24
Heat exchanger	Fin			Cross fin coil (Multi slit fins and Hi-XB tubes)		
Fan	Type	Cross flow fan				
	Quantity	1				
Air flow rate	Cooling	High	m <sup>3</sup> /min	18.0	26.0	
			cfm	636	918	
		Medium	m <sup>3</sup> /min	16	23	
			cfm	565	812	
		Low	m <sup>3</sup> /min	14.0	19.0	
			cfm	494	671	
	Heating	High	m <sup>3</sup> /min	18.0	26.0	
			cfm	636	918	
		Medium	m <sup>3</sup> /min	16.0	23.0	
			cfm	565	812	
		Low	m <sup>3</sup> /min	14.0	19.0	
			cfm	494	671	
Fan motor	Speed			3		
	Output	High	W	48	64	
	Phase x Voltage			DC310	DC325	
	Full load amps (FLA)	Cooling			0.3	0.4
		Heating			0.4	
Sound power level	Cooling			61	65	
	Heating			61	65	
Sound pressure level	Cooling	High	dBa	45	49	
		Medium	dBa	42	45	
Sound pressure level	Cooling	Low	dBa	40	41	
		Heating	High	dBa	45	49
	Medium		dBa	42	45	
	Low	dBa	40	41		
Refrigerant	Type	R-410A / R-32				
Piping connections	Liquid	Type	Flare connection			
		OD	mm	9.52		
	Gas	Type	Flare connection			
		OD	mm	15.9		
	Drain	VP13 (I.D. 13/O.D. 18)				
Heat insulation	Foamed polystyrene/polyethylene					
Control systems	Wired remote control		BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Electrical specifications				FAA71A	FAA100A	
Power supply	Phase			1~		
	Frequency			50		
	Voltage			220-240		

### 3 Safety device settings

#### 3 - 1 Safety Device Settings

**3****FAA-A**

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

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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 <sup>(1)(4)</sup> , BRC1E53B7 <sup>(2)(4)</sup> , BRC1E53C7 <sup>(3)(4)</sup> , BRC1D528, BRC1H51(9)W/S/K, BRC1H81W/S	
2	Simplified remote control (with operation mode selector button)		BRC2E52C7 <sup>(5)</sup>	
3	Simplified remote control (without operation mode selector button)		BRC3E52C7 <sup>(5)</sup>	
4	Wiring adaptor for electrical appendices (2)		KRP4AA51 <sup>(6)</sup>	
5	Installation box for adaptor PCB		KRP4AA93 <sup>(6)</sup>	
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	
9	Schedule timer		DST301BA51	
10	Remote sensor		KRC501-4B	
11	Drain plug kit		K-KDU572EVE	
12	iTouch Controller		DCS601C51	
13	Digital input adaptor		BRP7A51 <sup>(6)(7)</sup>	
14	Wi-Fi adaptor for smartphones		BRP069A81 <sup>(8)</sup>	

(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 -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H51(9)W/S/K, BRC1H81W/S-

(8) Only possible in combination with wired or wireless remote control (e.g. -BRC1E\*, BRC1H\*, BRC7FA\*.)

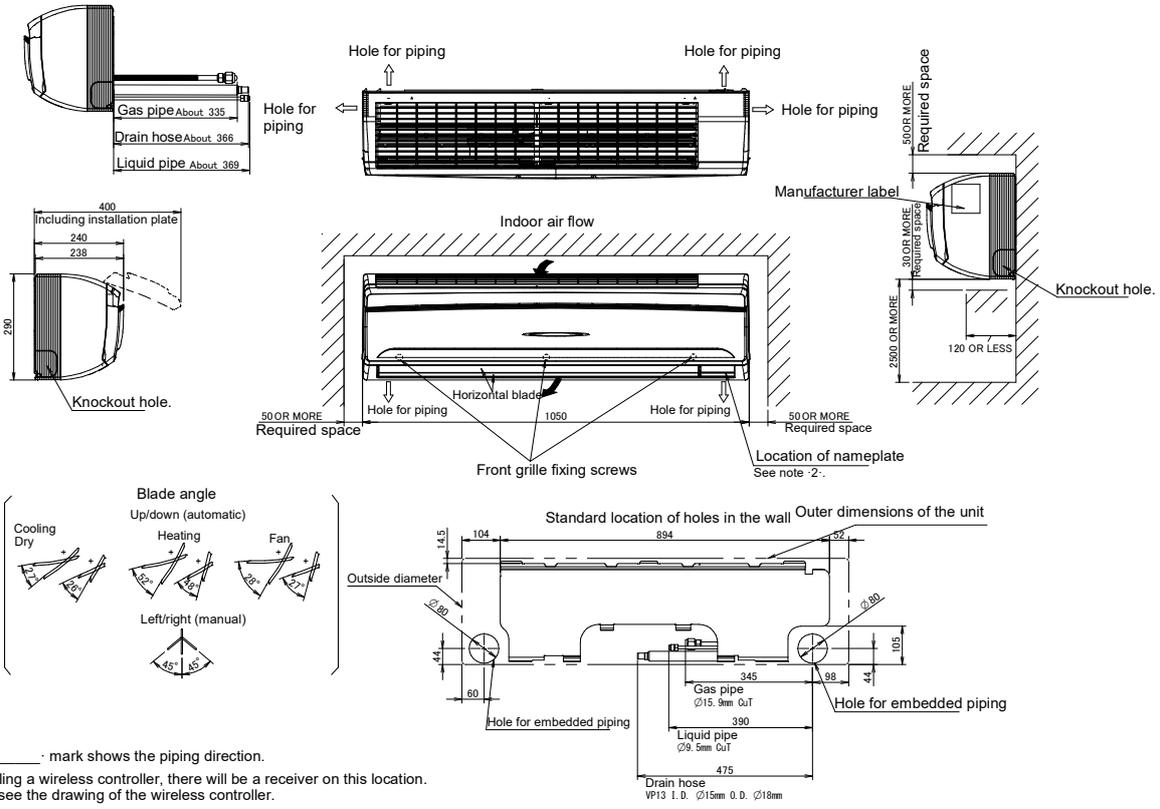
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# 5 Dimensional drawings

## 5 - 1 Dimensional Drawings

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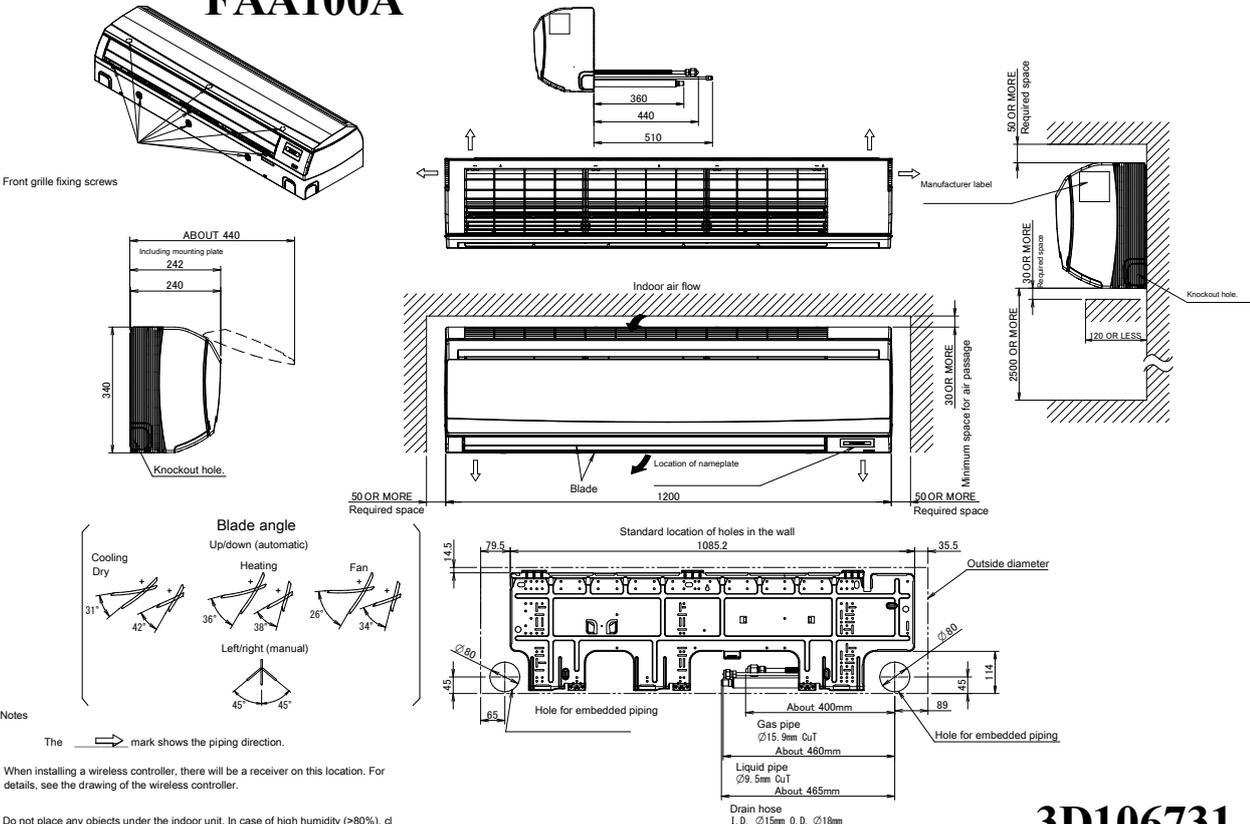


**Notes**

The  $\rightarrow$  mark shows the piping direction.  
 When installing a wireless controller, there will be a receiver on this location.  
 For details, see the drawing of the wireless controller.  
 Do not place any objects under the indoor unit. In case of high humidity (>80%),  
 clogged drain outlets, or dirty air filters, condensate may drop out.

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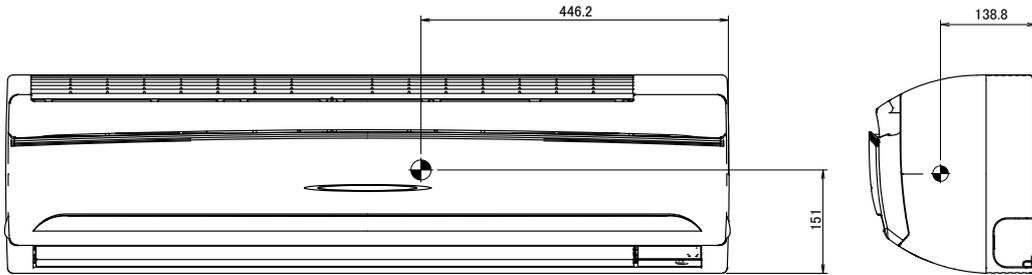
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# 6 Centre of gravity

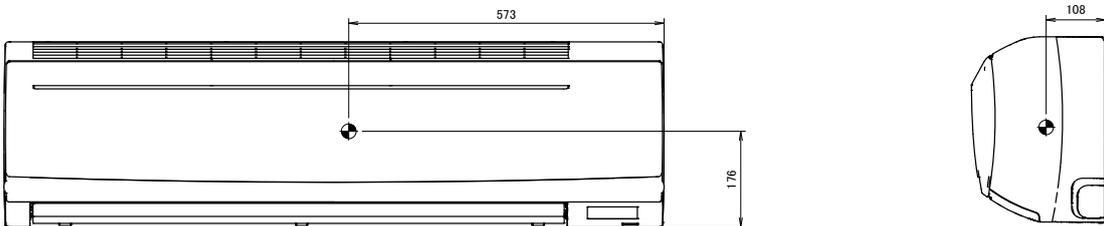
## 6 - 1 Centre of Gravity

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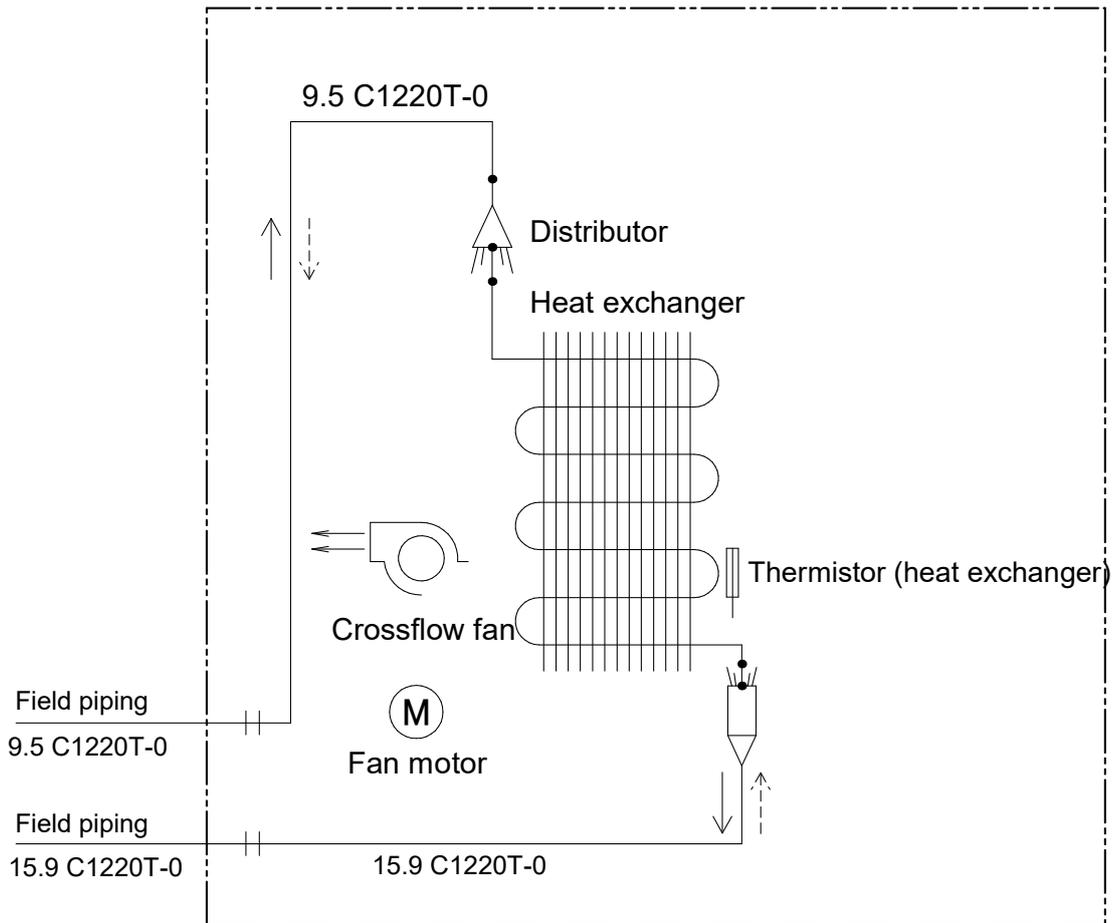
# 7 Piping diagrams

## 7 - 1 Piping Diagrams

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### Indoor unit



Refrigerant flow

→ Cooling

- - -> Heating

Applicable models

FAA71AUVEB/FAA100AUVEB

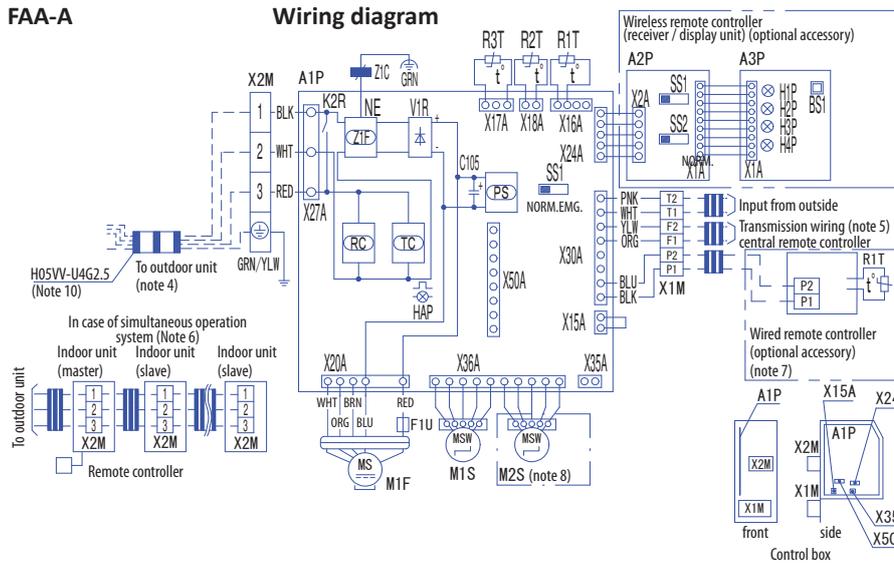
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# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Three Phase

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### Wiring diagram



Indoor unit	
A1P	Printed circuit board
C105	Capacitor
F1U	Fuse 3.15A
HAP	Flashing lamp (service monitor green)
K2R	Magnetic relay
M1F	Motor (indoor fan)
M1S	Motor (swing flap)
M2S	Motor (swing flap)
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
SS1	Selector switch (emergency)
V1R	Diode bridge
X1M	Terminal block (remote controller)
X2M	Terminal block (transmission wiring)
Z1C	Ferrite core (noise filter)
(Z1F)	Noise filter
(PS)	Switching power supply
(RC)	Signal receiver circuit
(TC)	Signal transmission circuit
Wireless remote controller (Receiver/display unit)	
A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch (on/off)
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (wireless address set)
Wired remote controller	
R1T	Thermistor (air)
Connector for optional parts	
X15A	Connector (float switch)
X24A	Connector (wireless remote controller)
X35A	Connector (power supply for adaptor)
X50A	Connector (wireless adaptor)

- NOTES**
- : terminal block, □○□, D-: connector, □○□: short circuit connector
  - ⋮⋮⋮⋮: field wiring
  - In case of simultaneous operation indoor unit system, see the indoor unit wiring only.
  - For detail, see wiring diagram attached to outdoor unit.
  - In case of using central remote controller, connect it to the unit in accordance with the attached installation manual.
  - In case of connection units varies according to the combination system, confirm engineering guide and catalogs, etc, before connecting.
  - In case of main/sub changeover, see the installation manual attached to remote controller.
  - M2S is for 100 class only.
  - Symbols shows as follows: BLK: black, RED: red, BLU: blue, WHT: white, PNK: pink, YLW: yellow, GRY: grey, GRN: green, ORG: orange, BRN: brown
  - Shows only in case of protected pipes. Use H07RN-F in case of no protection.

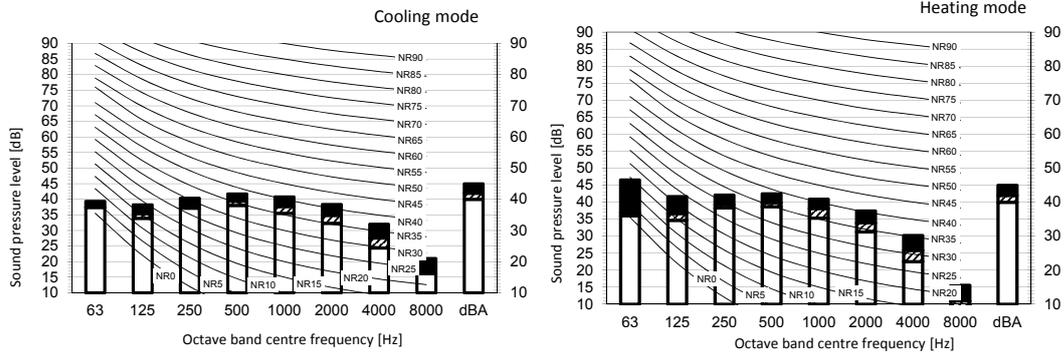
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# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

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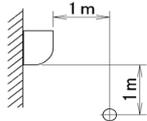


Legend

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

A Scale	Cooling				Heating			
	Total dB				Total dB			
B  Fan speed: High	A	B	C	D	A	B	C	D
C  Fan speed : Medium	dBA	45	42	40	dBA	45	42	40
D  Fan speed: Low								

Location of microphone

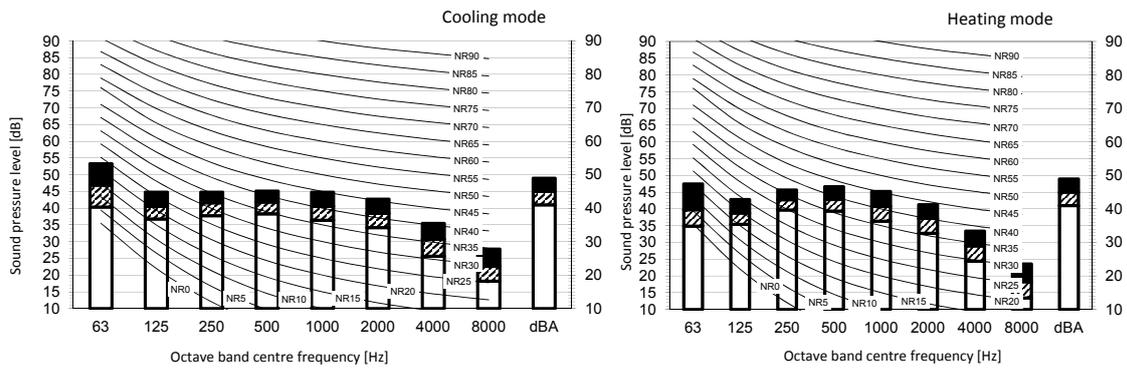


Notes

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

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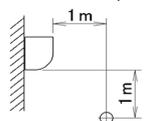


Legend

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

A Scale	Cooling				Heating			
	Total dB				Total dB			
B  Fan speed: High	A	B	C	D	A	B	C	D
C  Fan speed : Medium	dBA	49	45	41	dBA	49	45	41
D  Fan speed: Low								

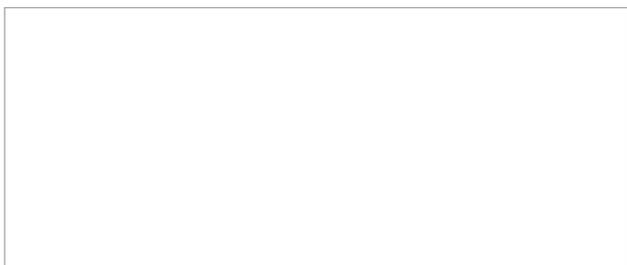
Location of microphone



Notes

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