



Wall mounted unit  
Air Conditioning  
Technical Data  
FAA-B



FAA71BUIB  
FAA100BUIB



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## FAA-B

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# 1 Features

## 1 - 1 FAA-B

For rooms with no false ceilings nor free floor space

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- › 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
- › 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



Daikin Residential Controller (optional)



Home leave operation



Fan only



Auto cooling-heating changeover



Vertical auto swing



Fan speed steps (3 steps)



Dry programme



Air filter



Weekly timer



Infrared remote control (optional)



Wired remote control (optional)



Centralised control



Auto-restart



Self diagnosis



Drain pump kit (optional)



Twin/triple/double twin application

## 2 Specifications

### 1 - 1 FAA-B

Technical specifications				FAA71B	FAA100B		
Power input - 50Hz	Cooling	Nom.	kW	0.037 (1)	0.06		
	Heating	Nom.	kW	0.039 (2)	0.06		
Casing	Colour	White					
	Material	Resin					
Dimensions	Unit	Height	mm	290	340		
		Width	mm	1,050	1,200		
		Depth	mm	269	262		
	Packed unit	Height	mm	368	337		
		Width	mm	1,138	1,310		
		Depth	mm	380	429		
Weight	Unit			kg	14.0	18	
	Packed unit			kg	18	23	
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	m <sup>3</sup> /min	16.2	23.0	
				cfm	571	811	
			Medium	m <sup>3</sup> /min	13.4	21.1	
				cfm	473	745	
		Low	m <sup>3</sup> /min	12.1	18.7		
				cfm	427	659	
	Heating		High	m <sup>3</sup> /min	16.9	23.0	
		cfm		598	811		
		Medium	m <sup>3</sup> /min	14.2	20.9		
			cfm	500	738		
	Low	m <sup>3</sup> /min	12.7	18.7			
		cfm	448	659			
Fan motor	Speed	Steps	3				
			Cooling	High	rpm	1,379	1,360
		Low		rpm	1,113	1,150	
		Heating	High	rpm	1,431	1,360	
	Low		rpm	1,155	1,150		
	Output	High	W	48	-		
	Phase x Voltage			V	DC310	DC325	
	Full load amps (FLA)	Cooling			A	0.3	0.5
		Heating			A	0.4	0.5
	Sound power level	Cooling			dB(A)	61.0	65.0
Heating				dB(A)	61.0	65.0	
Sound pressure level	Cooling	High			dB(A)	45.0	49.0
		Medium			dB(A)	42.0	45.0
		Low			dB(A)	40.0	41.0
	Heating	High			dB(A)	45.0	49.0
		Medium			dB(A)	42.0	45.0
		Low			dB(A)	40.0	41.0
Refrigerant	Type	R32/R410A					
Piping connections	Liquid	Type	Flare connection				
		OD			mm	9.52	
	Gas	Type	Flare connection				
		OD			mm	15.9	15.90
Drain	VP13 (I.D. 13/O.D. 18)						
Heat insulation	Foamed polystyrene/polyethylene						
Fan motor	Speed	Cooling	Medium	rpm	1,206	1,270	
		Heating	Medium	rpm	1,252	1,260	

Standard accessories: Installation and operation manual; Quantity: 1;

Standard accessories: Installation plate; Quantity: 1;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: Wire clamp material; Quantity: 4;

Standard accessories: Heat insulating tape; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Standard accessories: Screw cover; Quantity: 3;

Electrical specifications				FAA71B	FAA100B	
Power supply	Phase			1~		
	Frequency			Hz		50
	Voltage			V		220-240

(1)Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |

(2)Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |

The sound power level is an absolute value indicating the power which a sound source generates. |

Instead of a fuse, use a circuit breaker |

Select wire size based on the value of MCA |

Contains fluorinated greenhouse gases

### 3 Safety device settings

#### 3 - 1 Safety Device Settings

FAA-B

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Safety devices		Class	
		71	100
FAA~BUV1B	Fan motor fuse (on wire)	250V, 3.15A	250V, 3.15A

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# 4 Options

## 4 - 1 Options

### FAA-B

Option kit		Product name	Compatibility	
			FAA71BUB1B	FAA100BUB1B
Wireless remote control	Heat pump	BRC7EA631	✓	×
		BRC7EA632	×	✓
Wired remote control		BRC1E53A7 (*1) / BRC1E53B7 (*2) / BRC1E53C7 (*3)	✓	✓
		BRC1H519W7/K7/S7	✓	✓
		BRC1H81W7/S7	✓	✓
		BRC1D528	✓	✓
		BRC1H52W/S/K	✓	✓
		BRC1H82W/S/K	✓	✓
		BRC2E52C7	✓	✓
	BRC3E52C7	✓	✓	
	Wiring adaptor for electrical appendices	KRP4A51 (*4)	✓	✓
	Installation box for adaptor PCB	KRP4B93	✓	✓
	Central remote control	DCS302C51	✓	✓
	Electrical box with earth terminal (-3- blocks)	KJB311A	✓	✓
	Electrical box with earth terminal (-2- blocks)	KJB212A	✓	✓
	Unified ON/OFF controller	DCS301B51	✓	✓
	Schedule timer	DST301B51	✓	✓
	Remote sensor	KRCS01-4B	✓	✓
	Drain pump kit	K-KDU572KVE	✓	✓
	iTouch Controller	DCS601CS1	✓	✓
	Digital input adaptor	BRP7A51 (*4)(*5)	✓	✓
	WLAN adaptor for smartphones	BRP069C81 (*6)	✓	✓
	Intelligent Touch Manager	DCM601A51	✓	✓
	Intelligent Tablet Controller	DCC601A51	✓	✓

#### Notes

(\*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) This option needs to be installed together with installation box ·KRP4B93·.

(\*5) Only possible in combination with remote control ·BRC1E\* / BRC2E\* / BRC3E\* / BRC1H\* / BRC1D\*·.

(\*6) Only possible in combination with wired or wireless remote control (e.g. ·BRC1H\*·)

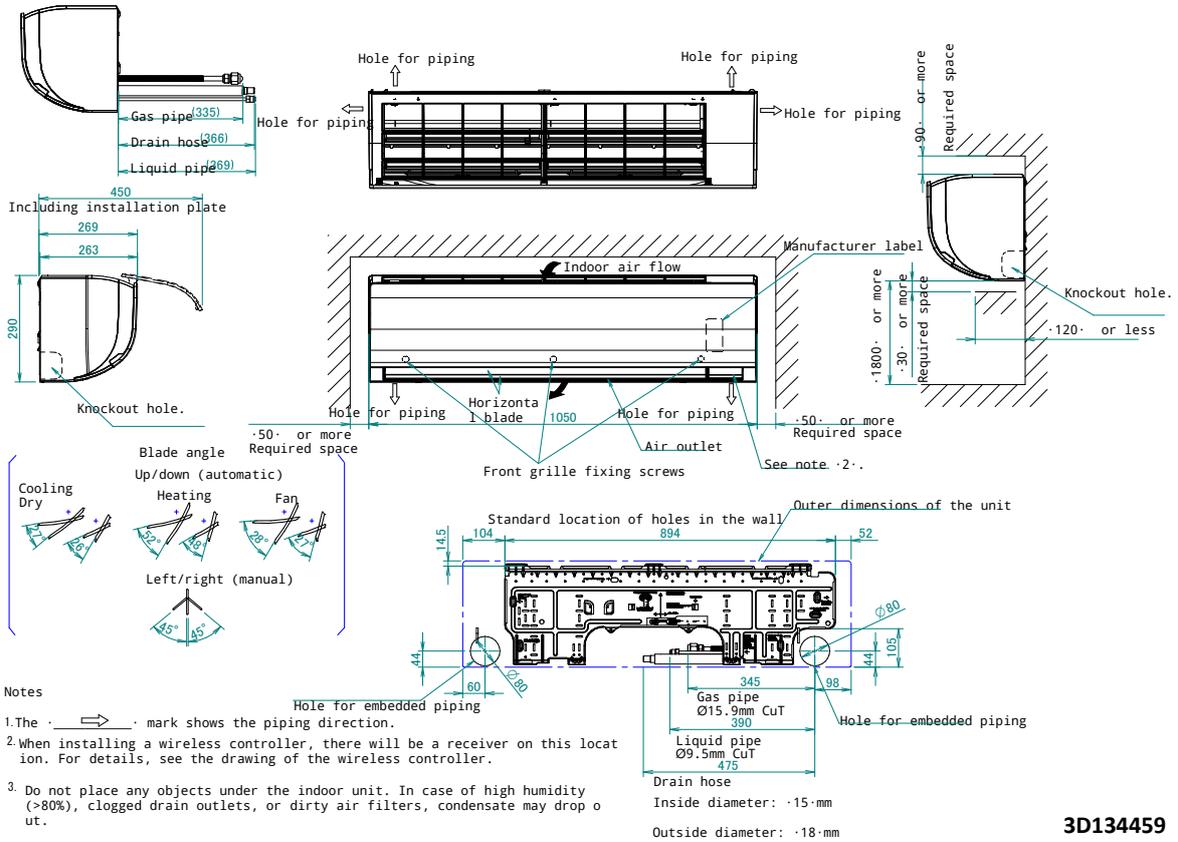
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# 5 Dimensional drawings

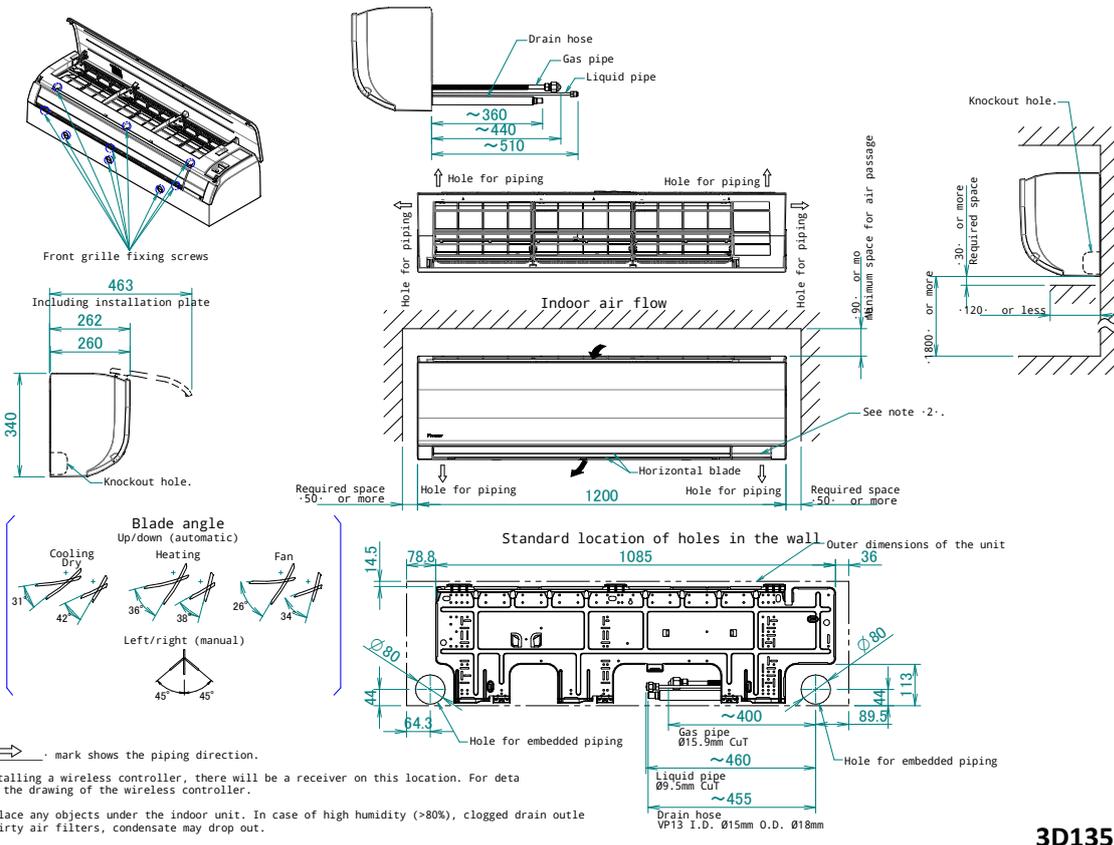
## 5 - 1 Dimensional Drawings

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### FAA71B



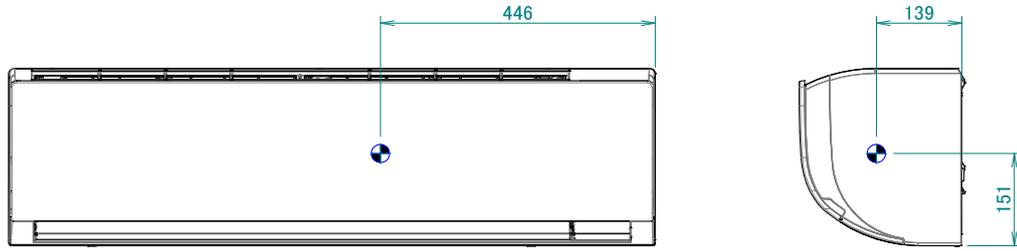
### FAA100B



# 6 Centre of gravity

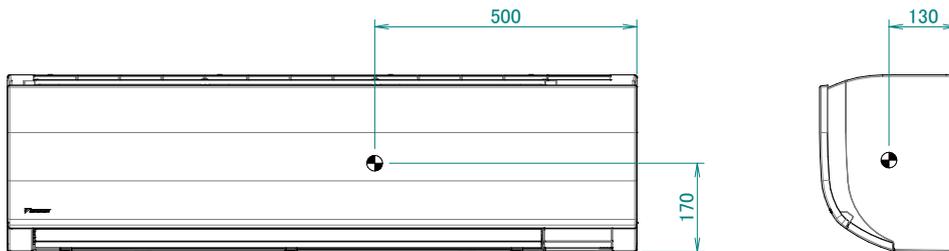
## 6 - 1 Centre of Gravity

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FAA100B



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# 7 Piping diagrams

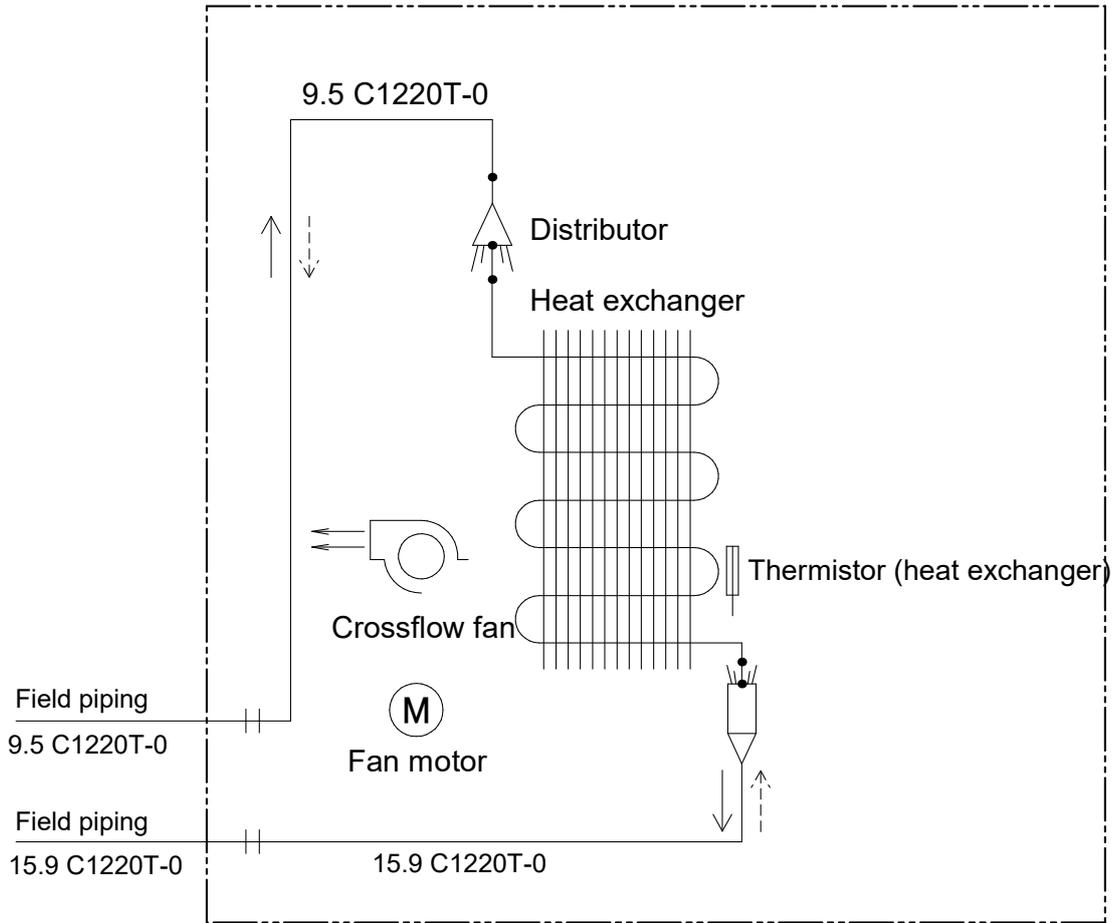
## 7 - 1 Piping Diagrams

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FAA-A

FAA-B

### Indoor unit



Refrigerant flow

→ Cooling

---→ Heating

Applicable models

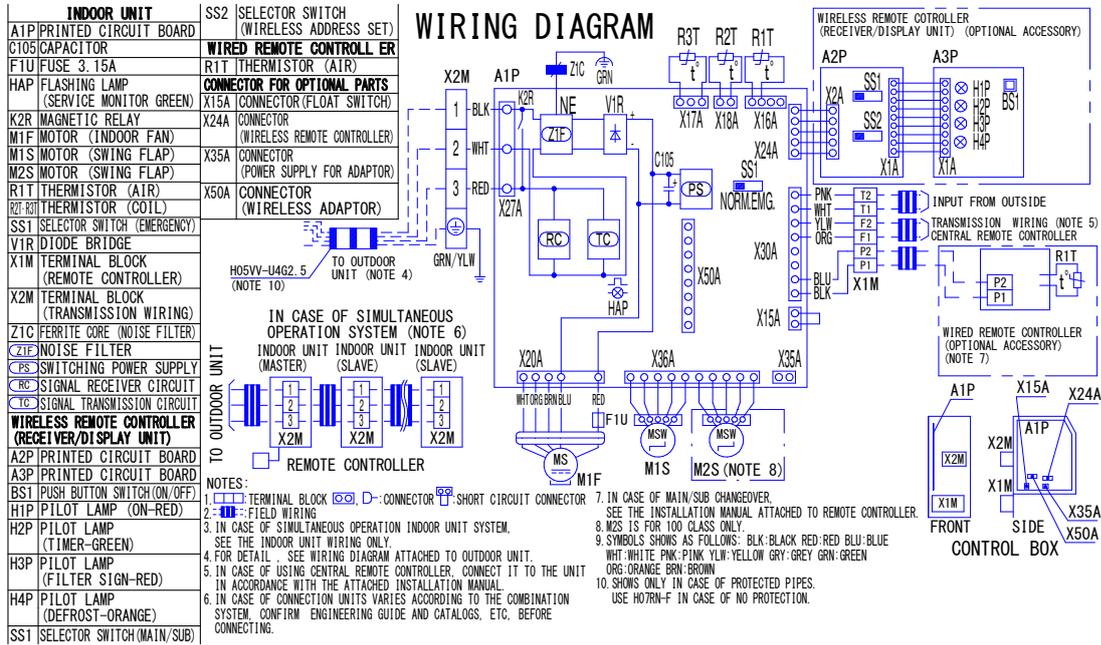
FAA71/FAA100

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# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Three Phase

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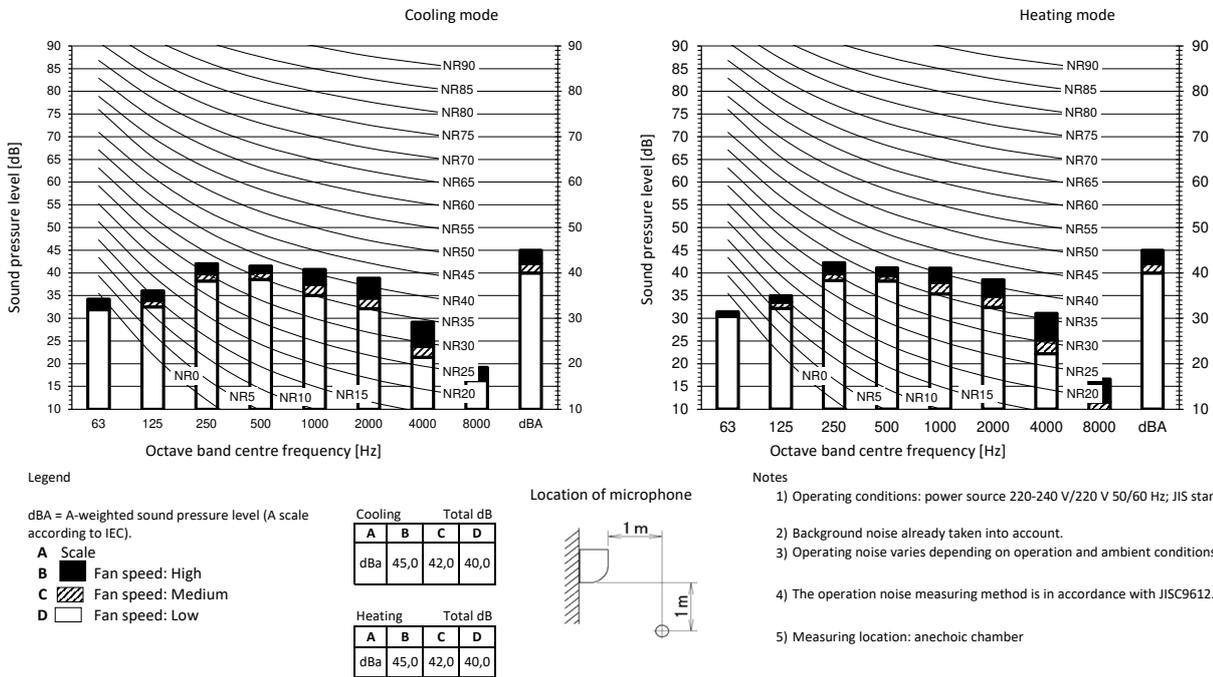
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# 9 Sound data

## 9 - 1 Sound Pressure Spectrum

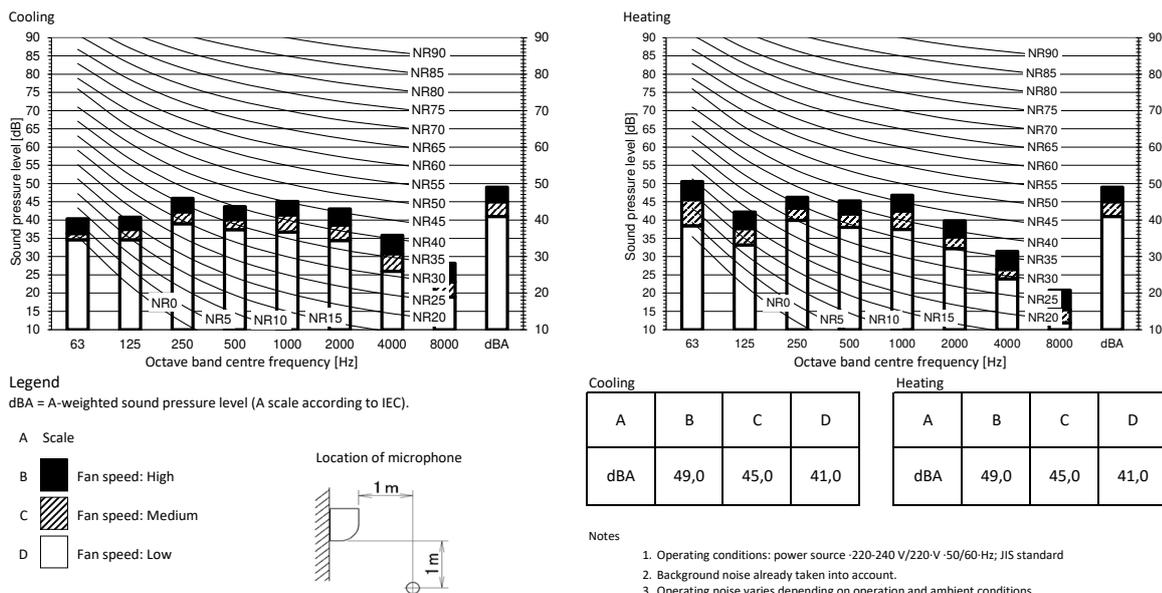
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### FAA71B



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### FAA100B



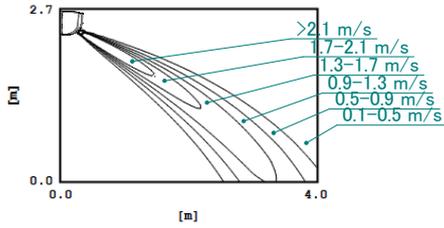
4D137498

# 10 Air flow patterns

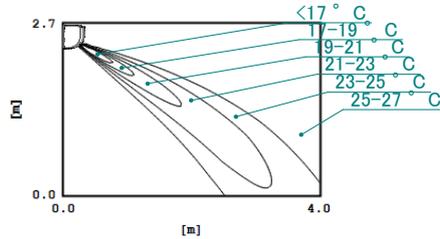
## 10 - 1 Air flow pattern - Cooling and Heating

### FAA71B

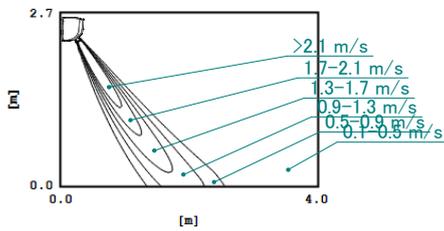
Air velocity distribution (cooling)  
Air flow direction: horizontal



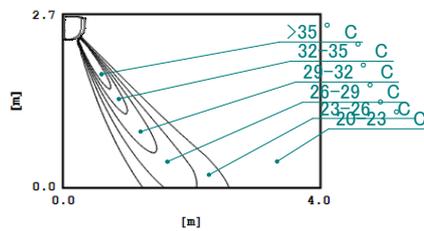
Air temperature distribution (cooling)  
Air flow direction: horizontal



Air velocity distribution (heating)  
Air flow direction: vertical



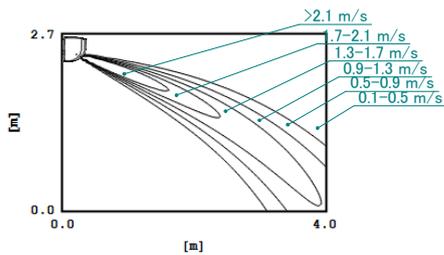
Air temperature distribution (heating)  
Air flow direction: vertical



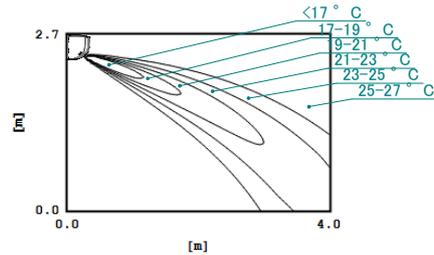
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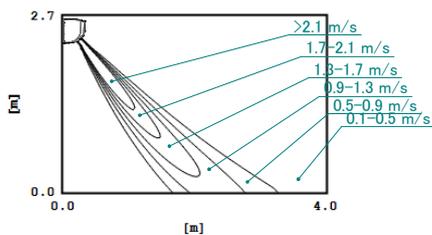
Air velocity distribution (cooling)  
Air flow direction: horizontal



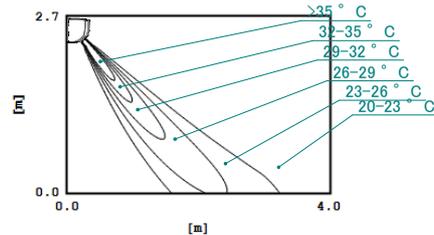
Air temperature distribution (cooling)  
Air flow direction: horizontal



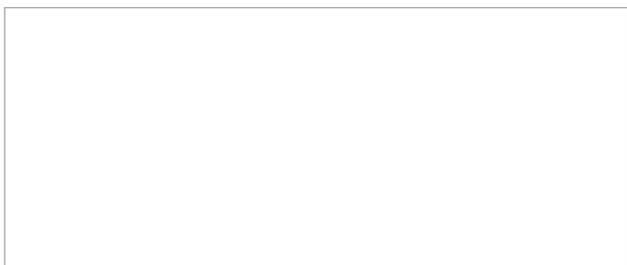
Air velocity distribution (heating)  
Air flow direction: vertical



Air temperature distribution (heating)  
Air flow direction: vertical



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