



Wall mounted unit Air Conditioning Technical Data FAA-A



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FAA-A

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1 Features

1 - 1 FAA-A

- › 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	Type			Cross fin coil (Multi slit fins and Hi-XB tubes)	
Fan	Type				Cross flow fan	
	Quantity				1	
Air flow rate	Cooling	High	m ³ /min		18.0	26.0
			cfm		636	918
		Medium	m ³ /min		16	23
			cfm		565	812
		Low	m ³ /min		14.0	19.0
			cfm		494	671
	Heating	High	m ³ /min		18.0	26.0
			cfm		636	918
		Medium	m ³ /min		16.0	23.0
			cfm		565	812
		Low	m ³ /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		dB(A)		61	65
	Heating		dB(A)		61	65
Sound pressure level	Cooling	High	dB(A)		45	49
		Medium	dB(A)		42	45
		Low	dB(A)		40	41
	Heating	High	dB(A)		45	49
		Medium	dB(A)		42	45
		Low	dB(A)		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	
Piping connections	Drain				VP13 (I.D. 13/O.D. 18)	
	Heat insulation				Foamed polystyrene/polyethylene	
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

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4 Options

4 - 1 Options

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				FAA71AUVEB	FAA100AUVEB
				Heat pump operation	BRC7EB518
1	Remote control	Wireless	Cooling only		BRC7EB519
		Wired			BRC1E53A7 ⁽¹⁾⁽⁴⁾ , BRC1E53B7 ⁽²⁾⁽⁴⁾ , BRC1E53C7 ⁽³⁾⁽⁴⁾ , BRC1D528, BRC1H51(9)W/S/K, BRC1H81W/S
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
9	Schedule timer				DST301BA51
10	Remote sensor				KRCS01-4B
11	Drain plug kit				K-KDU572EVE
12	iTouch Controller				DCS601CS1
13	Digital input adaptor				BRP7A51 ⁽⁶⁾⁽⁷⁾
14	Wi-Fi adaptor for smartphones				BRP069A81 ⁽⁸⁾

(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 -EKPCCAB3- 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-

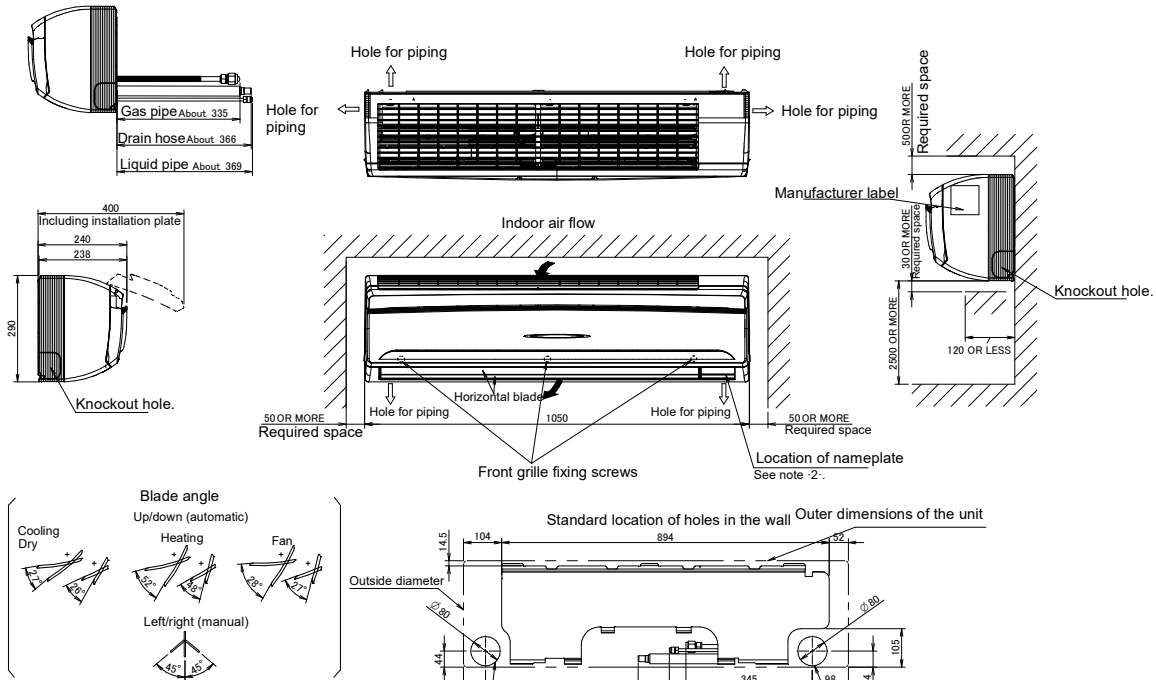
(8) Only possible in combination with wired or wireless remote control (e.g. -BRC1E*, BRC1H*, BRC7FA*.)

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5 Dimensional drawings

5 - 1 Dimensional Drawings

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Notes

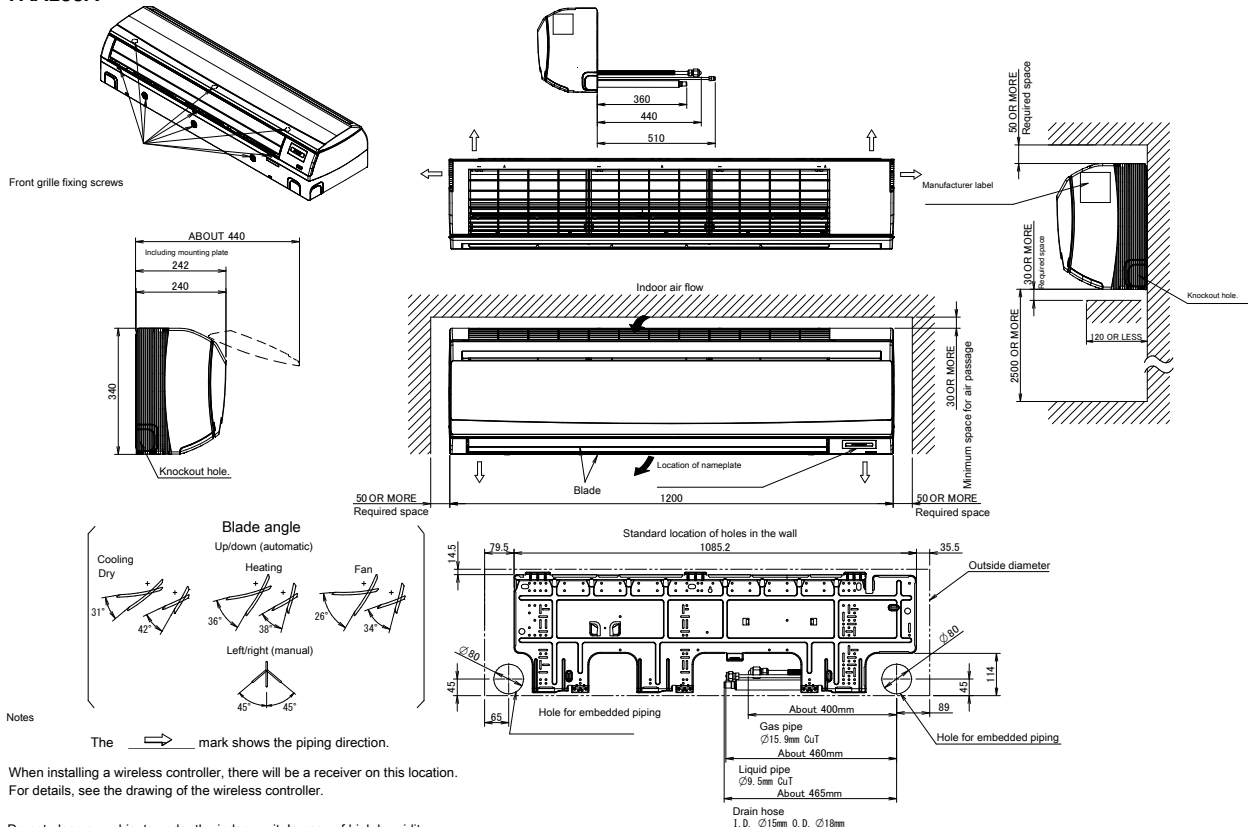
The mark shows the piping direction.

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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Notes

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When installing a wireless controller, there will be a receiver on this location.
For details, see the drawing of the wireless controller.

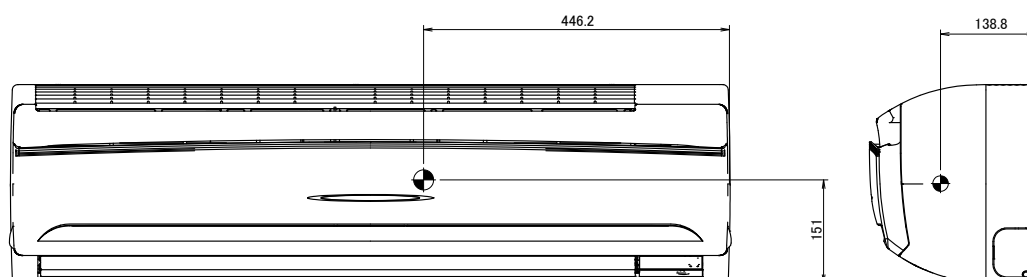
Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

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6 Centre of gravity

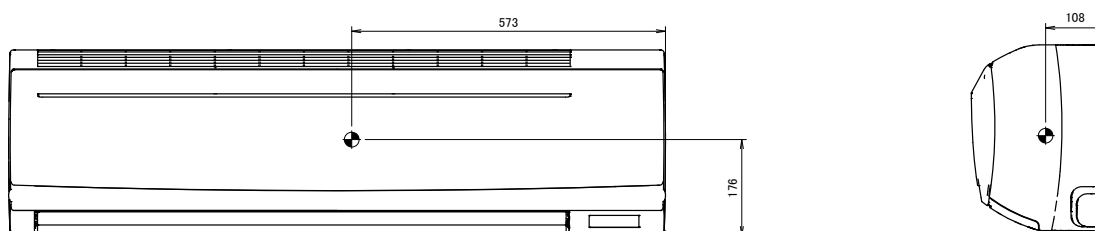
6 - 1 Centre of Gravity

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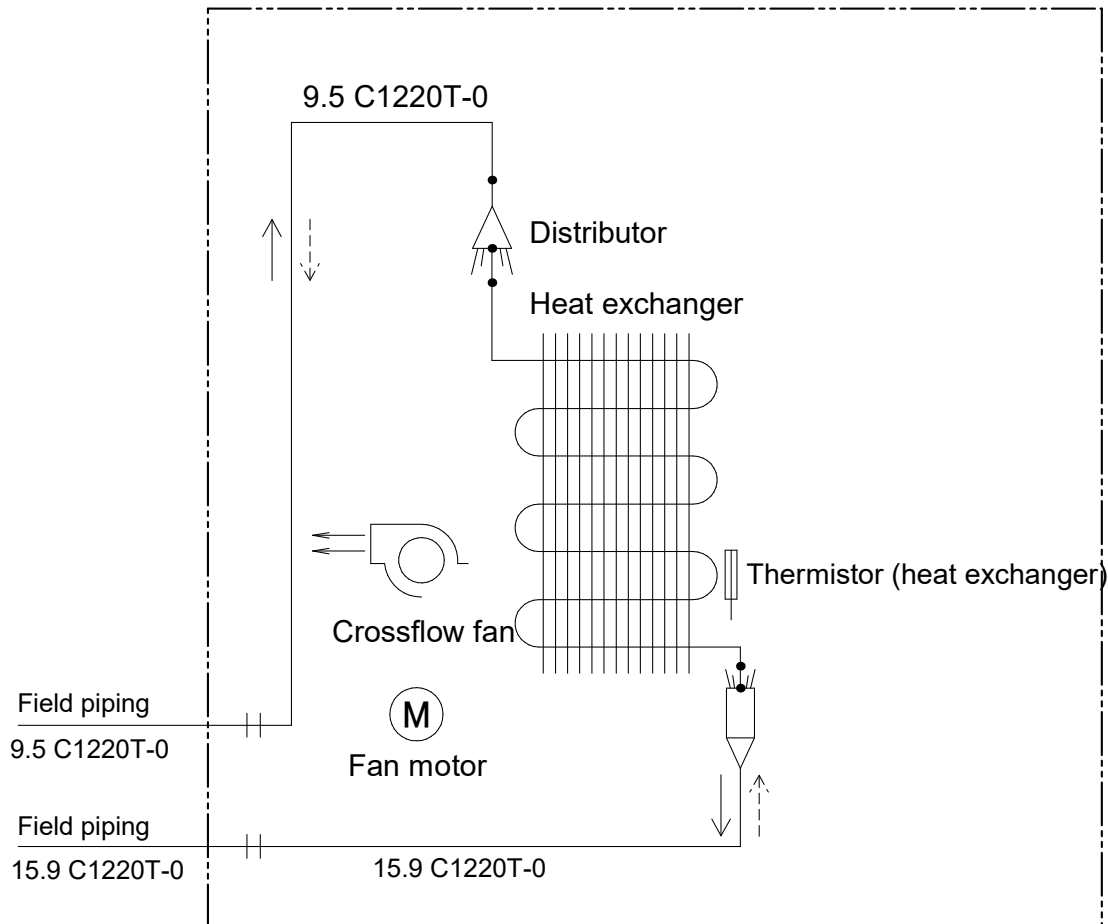
7 Piping diagrams

7 - 1 Piping Diagrams

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7

Indoor unit



Refrigerant flow

→ Cooling

--> Heating

Applicable models

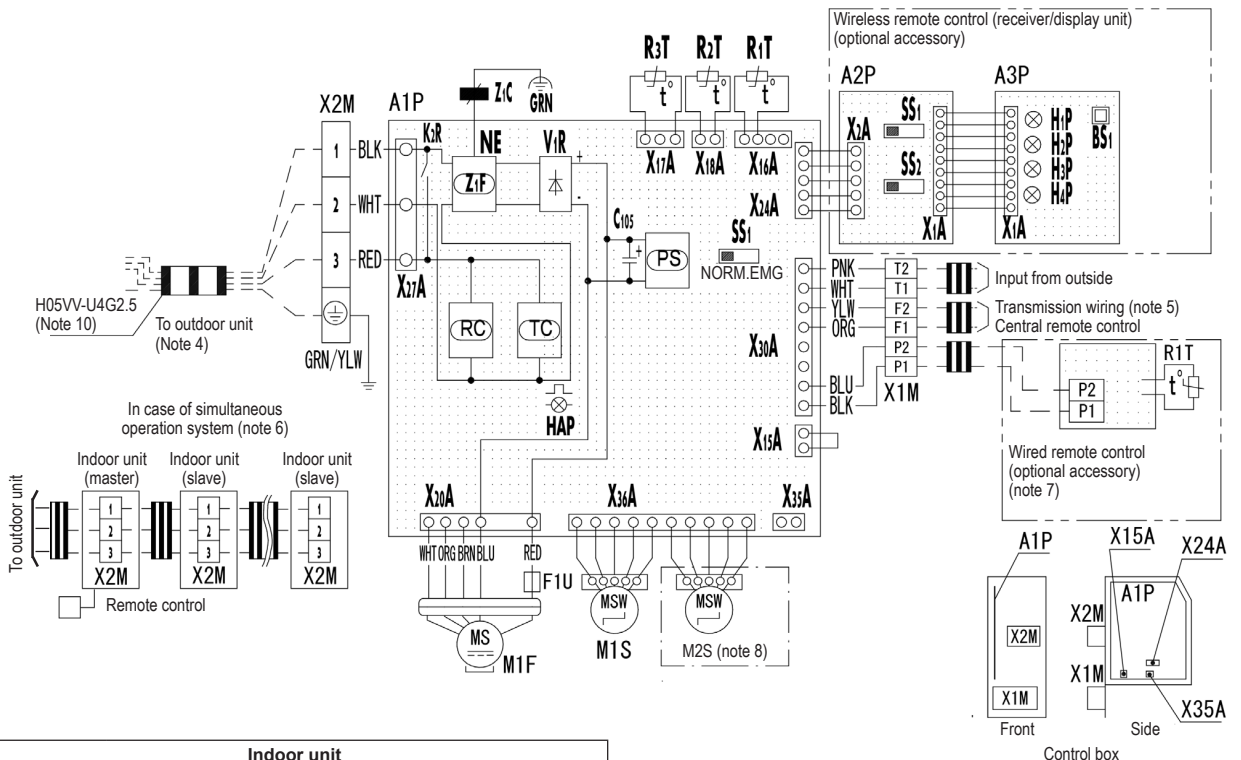
FAA71AUEB/FAA100AUEB

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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

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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	Theristor (air)
R2T - R3T	Thermistor (coil)
SS1	Selector switch (emergency)
V1R	Diode bridge
X1M	Terminal block (remote control)
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 control (receiver/display unit)	
A2P	Printed circuit board

QR code (sizin : 10x10 or more)
Data: DWG. No. without revision mark
Example= 3D108175-1
(notes 11, 12, 13)

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 control	
R1T	Thermistor (air)
Connector for optional parts	
X15A	Connector (float switch)
X24A	Connector (wireless remote control)
X35A	Connector (power supply for adapter)

NOTES

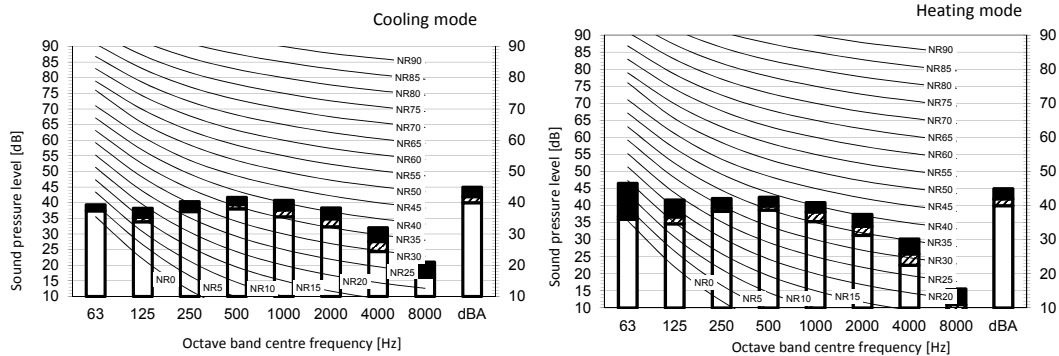
1. : terminal block, : connector, : short circuit connector
2. : field wiring
3. In case of simultaneous operation indoor unit system, see the indoor unit wiring only.
4. For detail, see wiring diagram attached to outdoor unit.
5. In case of using central remote control, connect it to the unit in accordance with the attached installation manual.
6. In case of connection units varies according to the combination system, confirm engineering guide and catalogs, etc, before connecting.
7. In case of main/sub changeover, see the installation manual attached to remote control.
8. M2S is for 100 class only.
9. Symbols shows as follows: BLK: black, RED: red, BLU : blue, WHT: white, PNK: pink, YLW: yellow, GRN: green, ORG: orange, BRN: brown
10. Shows only in case of protected piped. Use H07RN-F in case of no protection.
11. Polyester film, t=50 μm Base: white, letters and line: black
12. Label dimensions: 104 x 175
13. Location of slit on the rear side (release paper) must be 58mm from upper edge.

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9 Sound data

9 - 1 Sound Pressure Spectrum

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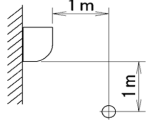


Legend

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

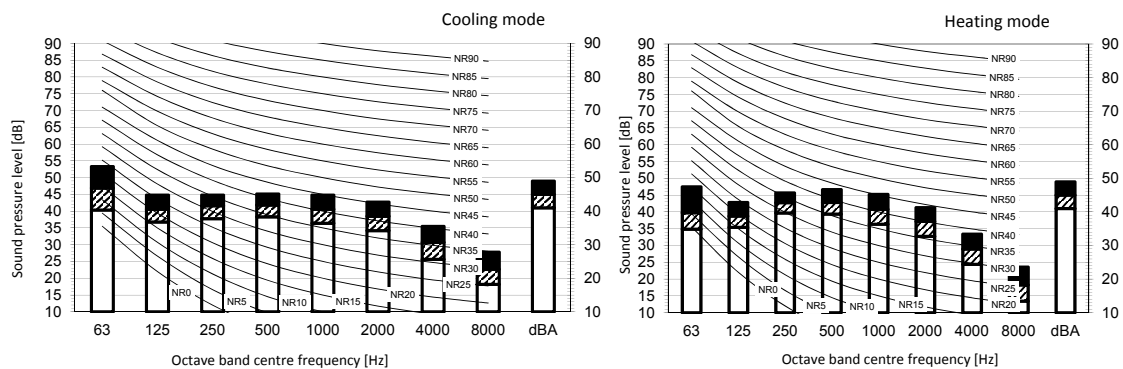


Notes

- 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.

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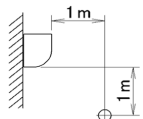


Legend

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								

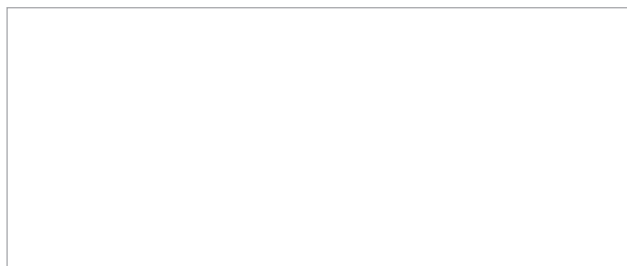
Location of microphone



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