

4-way blow ceiling
suspended unit
Air Conditioning
Technical Data
FUA-A



FUA71AVEB9
FUA100AVEB9
FUA125AVEB9

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1 Features

1 - 1 FUA-A

Unique Daikin unit for high rooms with no false ceilings nor free floor space

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- › Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- › 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
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › 5 different discharge angles between 0 and 60° can be programmed via the remote control
- › Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- › Optimum comfort guaranteed with automatic air flow adjustment to the required load
- › Standard drain pump with 720mm lift increases flexibility and installation speed



Infrastructure cooling (standard)



Onecta app (optional)



Home leave operation



Fan only



Draught prevention



Auto cooling-heating changeover



Individual flap control



Vertical auto swing



Fan speed steps (3 steps + auto)



Dry programme



Air filter



Weekly timer (optional)



Infrared remote control (optional)



Wired remote control (optional)



Centralised control (optional)



Auto-restart



Self diagnosis



Drain pump kit (standard)



Twin/triple/double twin application

2 Specifications

2 - 1 Specifications

Technical specifications					FUA71A	FUA100A	FUA125A
Cooling capacity	Sensible capacity	Nom.		kW	-		7.83
	Latent capacity	Nom.		kW	-		4.27
	Total capacity	Nom.		kW	-		12.10
Heating capacity	Total capacity	Nom.		kW	-		13.5
Power input - 50Hz	Cooling	Nom.		kW	0.109	0.163	0.185
	Heating	Nom.		kW	0.109	0.163	0.185
Casing	Colour				Fresh White		
	Material				Resin		
Dimensions	Unit	Height		mm	198		
		Width		mm	950		
		Depth		mm	950		
	Packed unit	Height		mm	295		
		Width		mm	1,026		
		Depth		mm	1,016		
Weight	Unit		kg	25.0	26.0		
	Packed unit		kg	36	38		
Heat exchanger	Inside length			mm	2,413	2,360	
	Outside length			mm	2,467		
	Rows	Quantity			2	3	
	Fin pitch			mm	1.20		
	Face area			m²	0.338	0.330	
	Stages	Quantity			10		
	Empty tubeplate hole	Quantity			0		
	Tube type				Hi-XA		
	Fin	Type			Multi slit fin		
	Fan	Type				Turbo fan	
Quantity				1			
Air flow rate		Cooling	High	m³/min	23.0	31.0	32.5
				cfm	812	1,095	1,148
			Medium	m³/min	19.5	25.5	26.5
		cfm		689	901	936	
		Low	m³/min	16.0	20.0	20.5	
			cfm	565	706	724	
Heating		High	m³/min	23.0	31.0	32.5	
			cfm	812	1,095	1,148	
		Medium	m³/min	19.5	25.5	26.5	
Fan	Air flow rate	Heating	Medium	cfm	689	901	936
			Low	m³/min	16.0	20.0	20.5
				cfm	565	706	724
		Fan motor	Quantity				1
Model				ARW5203DK	EHDS10DDK		
Drive				Direct drive			
Speed	Steps			3			
Phase x Voltage			V	DC280V			
Full load amps (FLA)	Cooling			A	0.7	1.0	1.1
	Heating			A	0.7	1.0	1.1
Sound power level	Cooling			dBA	59	64	65
Sound pressure level	Cooling	High		dBA	41	46	47
		Medium		dBA	38	42	43
		Low		dBA	35	39	40
	Heating	High		dBA	41	46	47
		Medium		dBA	38	42	43
		Low		dBA	35	39	40
Piping connections	Liquid	Type		C1220T (Flare connection)			
		OD	mm	9.52			
	Gas	Type		C1220T (Flare connection)			
		OD	mm	15.9			
	Drain			VP25 (OD Ø32.0)			
Drain-up height				mm	600		
Air filter	Type				Resin net		

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Drain hose;Quantity: 1;

Standard accessories: Thermal insulation tube;Quantity: 3;

Standard accessories: Tie-wraps;Quantity: 10;

Standard accessories: Hose band;Quantity: 1;

2 Specifications

2 - 1 Specifications

Standard accessories: Sealing material;Quantity: 4;

Standard accessories: Washer fixing plate;Quantity: 1;

Standard accessories: Drain joint;Quantity: 1;

Standard accessories: Non woven fabric;Quantity: 1;

Standard accessories: Washer;Quantity: 8;

Standard accessories: Fixing screw for drain hose;Quantity: 5;

Electrical specifications			FUA71A	FUA100A	FUA125A
Current - 50Hz	Maximum running current	A	0.9	1.3	1.4

3 Safety device settings

3 - 1 Safety Device Settings

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Safety devices		FUA71AVEB(9)	FUA100-125AVEB(9)
PCB fuse		---	---
PCB fuse (fan driver)		---	---
Fan motor overcurrent protection	Nominal	0.74A	1.33A
Fan motor thermal protector	Maximum	108°C	115°C
Drain pump fuse		---	---

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Options

4 - 1 Options

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Option kit			Product name
Air discharge outlet sealing member			KDBHP49B140
Decoration panel			KDBTP49B140
Long-life replacement filter			KAF5511D160
Remote control	Wired remote control		BRC1D528, BRC1E53A7 ⁽¹⁾ , BRC1E53B7 ⁽²⁾ , BRC1E53C7 ⁽³⁾ , BRC1H51(9)W/S/K, BRC1H81W/S
	Wireless remote control	Heat pump	BRC7CB58
		Cooling only	BRC7CB59
Simplified remote control (with operation mode selector button)			BRC2E52C7 ⁽⁴⁾
Simplified remote control (without operation mode selector button)			BRC3E52C7 ⁽⁴⁾
Central remote control			DCS302CA51, DCS302CA61
Unified ON/OFF controller			DCS301BA51, DCS301BA61
Schedule timer			DST301BA51, DST301BA61
Wiring adaptor for electrical appendices			KRP4AA53 ⁽⁵⁾
Installation box for adaptor PCB			KRP1BA97
Remote sensor			KRCS01-4B
Electrical box with earth terminal (-3- blocks)			KJB311AA
Electrical box with earth terminal (-2- blocks)			KJB212AA
Digital input adaptor			BRP7A53 ⁽⁵⁾⁽⁶⁾
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 Included languages are:

Language pack -1-: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.

With PC cable -EKPCCAB- 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.

⑤ Requires installation box -6-.

⑥ Only possible in combination with -BRC2/3E52C7, BRC1E53A/B/C7, BRC1H51(9)W/S/K, BRC1H81W/S-.

⑦ Editable data for this drawing are available in the -BOM (E-BOM)- system.

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

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5 Dimensional drawings

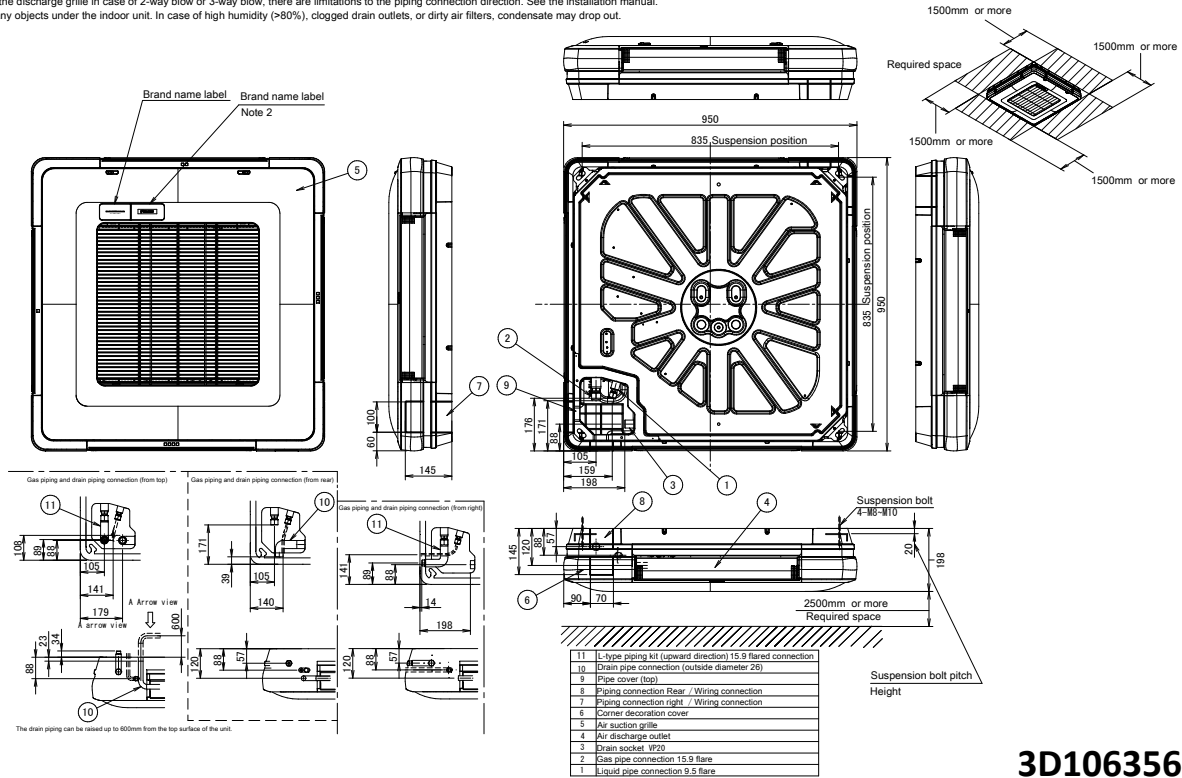
5 - 1 Dimensional Drawings

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Notes

1. The unit nameplate is located on the control box cover.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. When closing the discharge grille in case of 2-way blow or 3-way blow, there are limitations to the piping connection direction. See the installation manual.
4. 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.

When closing the air outlet, the required space is 30mm or more. (Note 3)

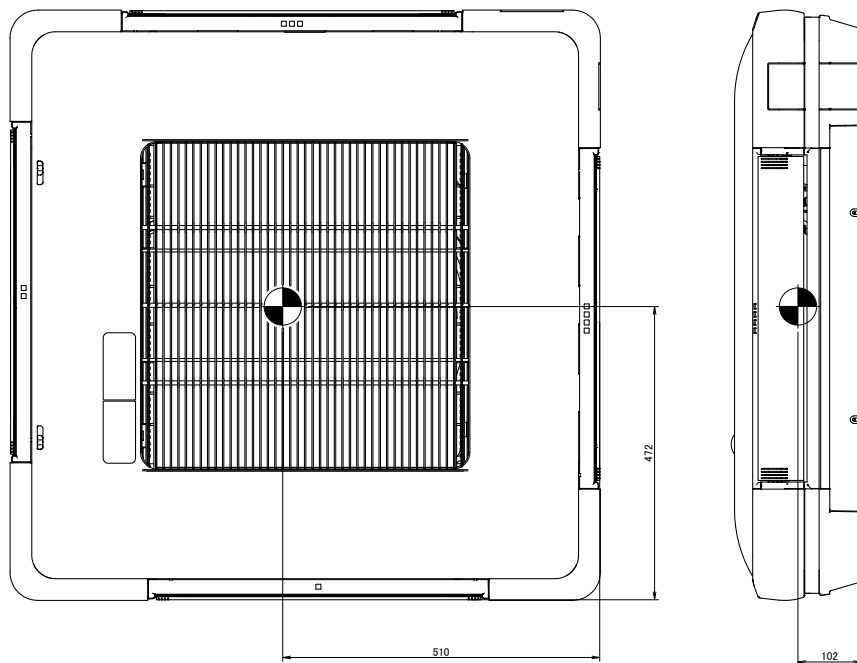


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6 Centre of gravity

6 - 1 Centre of Gravity

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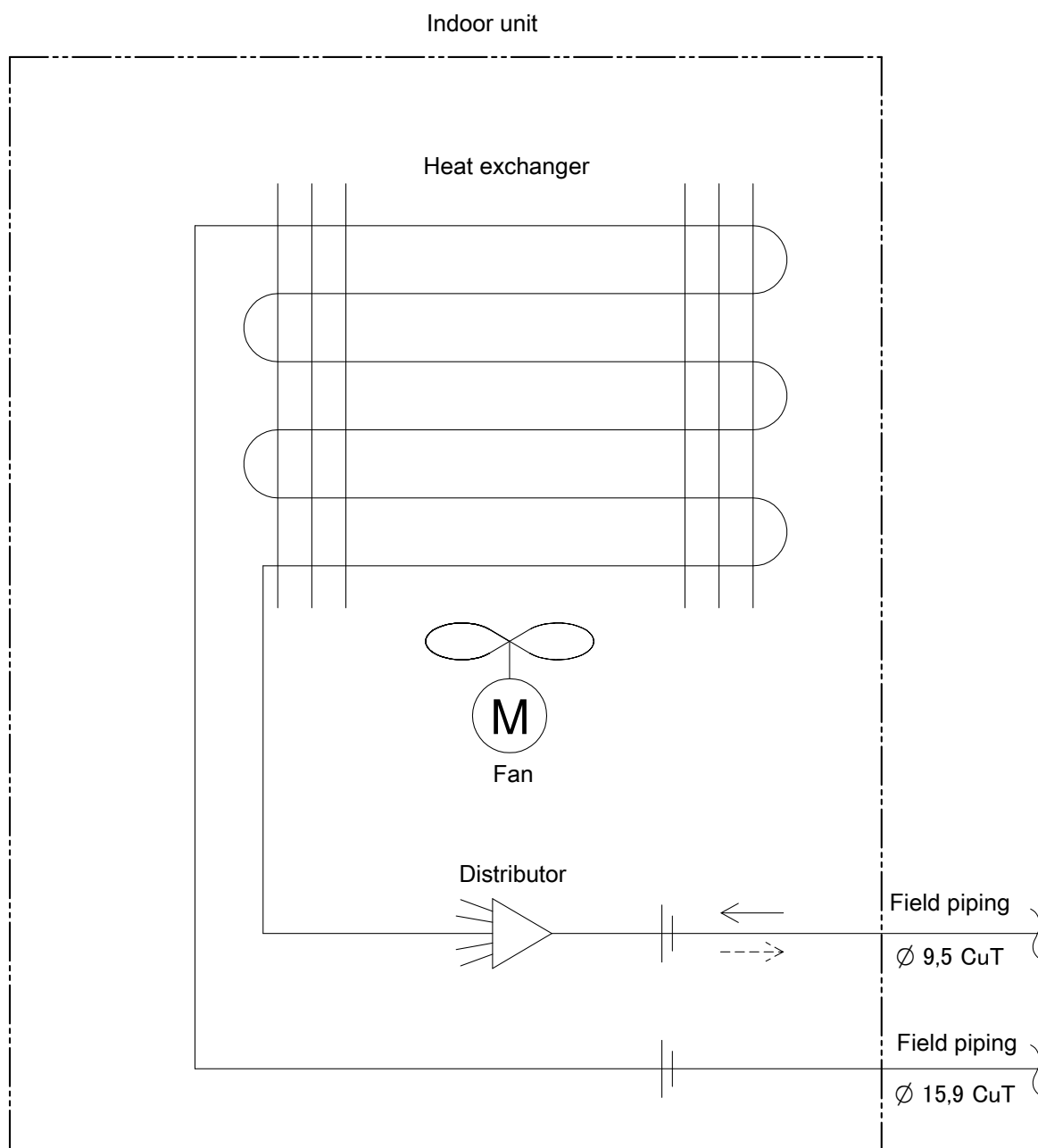
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7 Piping diagrams

7 - 1 Piping Diagrams

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Refrigerant flow

→ Cooling

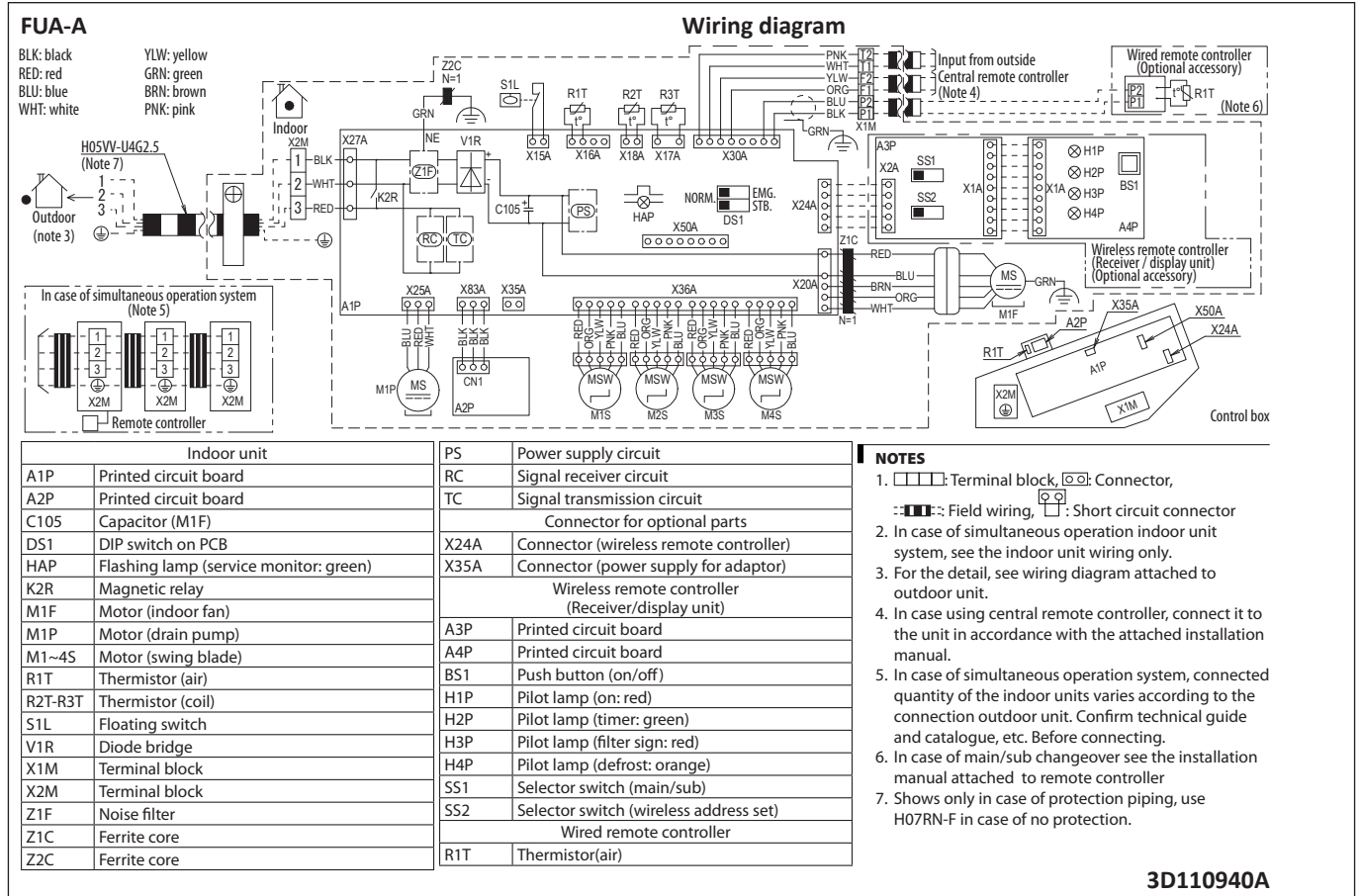
---→ Heating

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8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

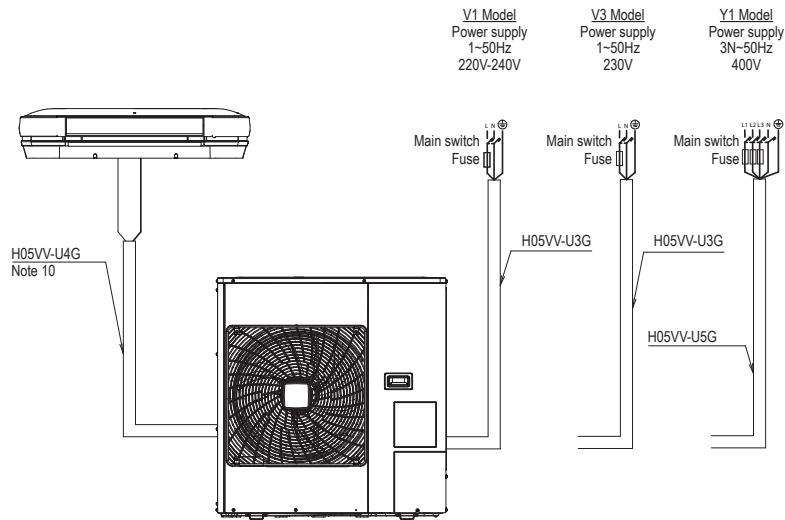
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9 External connection diagrams

9 - 1 External Connection Diagrams

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NOTES

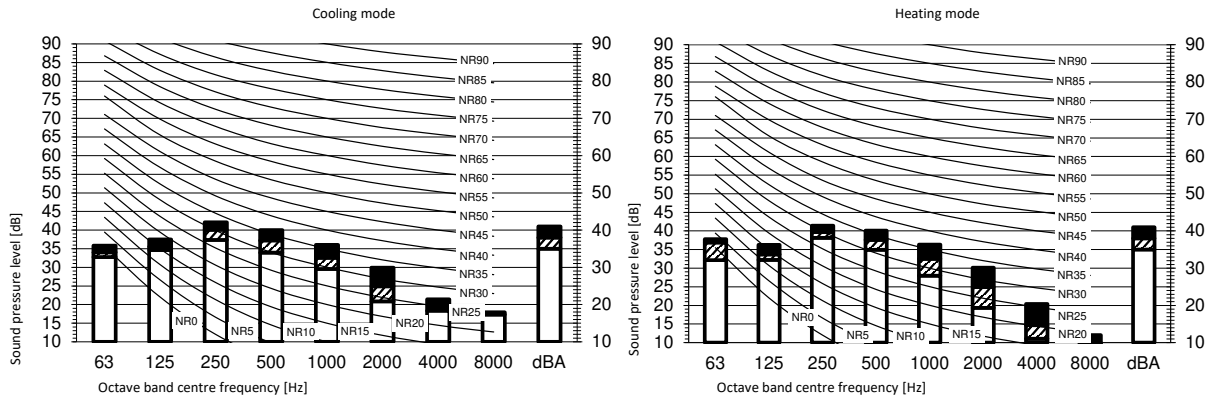
1. ——— Line voltage wiring.
——— Control circuit wiring.
2. All wiring components and materials to be procured on-site must comply with the applicable legislation.
3. Use only a copper conductors.
4. For more details, refer to the wiring diagram of the unit.
5. Make sure to install the switch and the fuse to the power line of each equipment.
6. All field wiring and components must be provided by an authorised electrician.
7. Unit has to be grounded in compliance with applicable legislation.
8. The wiring shown is a general points-of-connection guide and is not intended to include all details for a specific installation.
9. Never share the unit's power supply with other equipment.
10. Shows only in case of protected pipes.
11. Use H07RN-F in case of no protection.

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10 Sound data

10 - 1 Sound Pressure Spectrum

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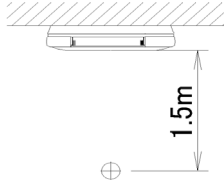
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling				
Total dB				
A	B	C	D	
dBA	41	38	35	

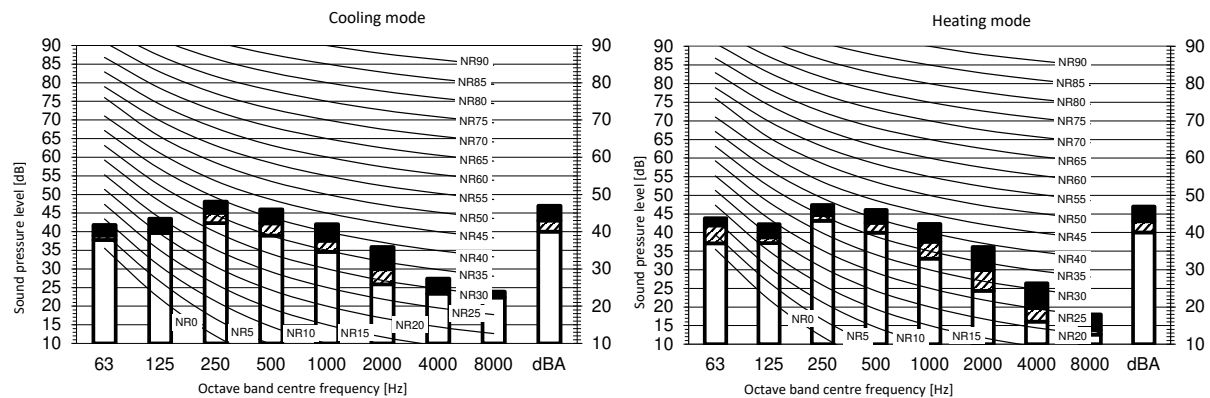
Heating				
Total dB				
A	B	C	D	
dBA	41	38	35	

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

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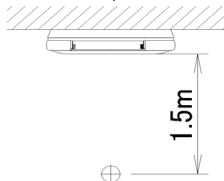
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling				
Total dB				
A	B	C	D	
dBA	47	43	40	

Heating				
Total dB				
A	B	C	D	
dBA	47	43	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

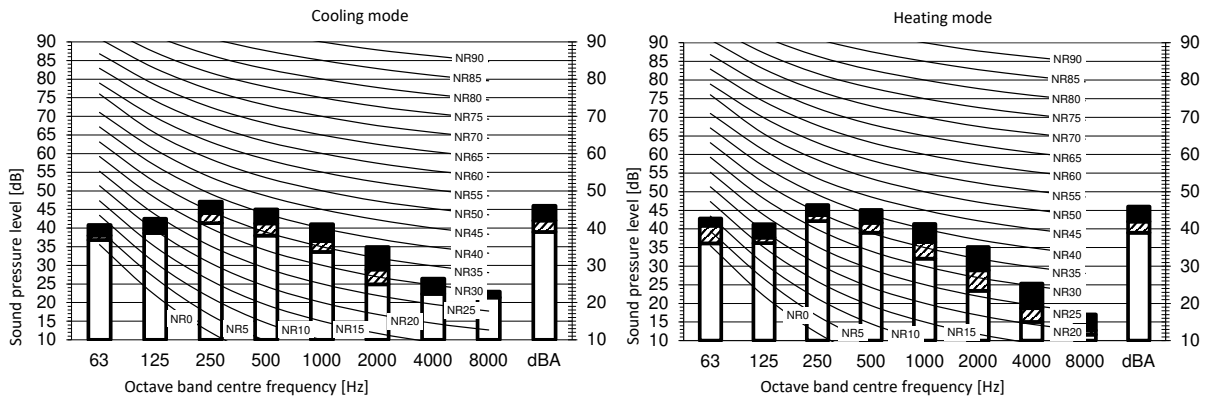
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10 Sound data

10 - 1 Sound Pressure Spectrum

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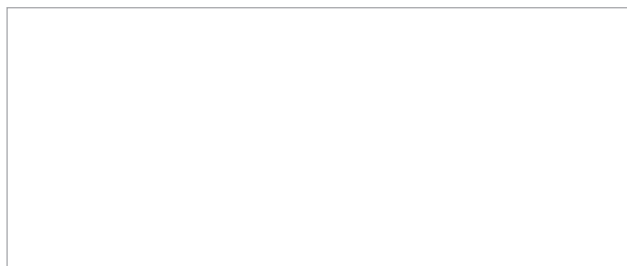


Cooling Total dB			
A	B	C	D
dBA	46	42	39

Heating Total dB			
A	B	C	D
dBA	46	42	39

- 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

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12/2022



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