

Air Conditioning Technical Data

FAA-A



- > FAA71AUVEB
- > FAA100AUVEB

TABLE OF CONTENTS

FAA-A

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	3
3	Safety device settings.....	4
4	Options.....	5
5	Dimensional drawings	6
6	Centre of gravity	7
7	Piping diagrams	8
8	Wiring diagrams	9
	Wiring Diagrams - Single Phase	9
9	Sound data	10
	Sound Pressure Spectrum	10

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

3

FAA-A

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.

4D109496

4 Options

4 - 1 Options

FAA-A

				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.

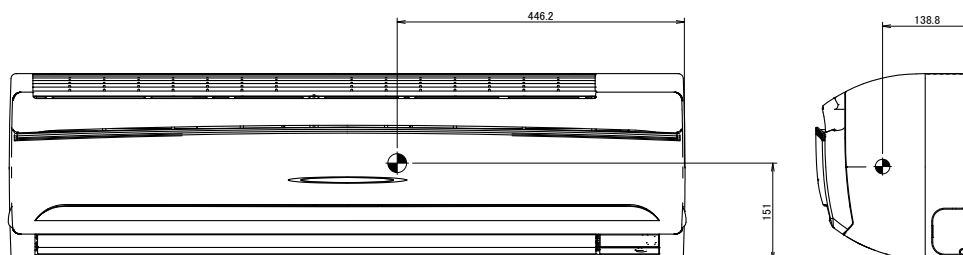
(7) Only possible in combination with simplified remote control BRC2/3E52C7.

3D106826

6 Centre of gravity

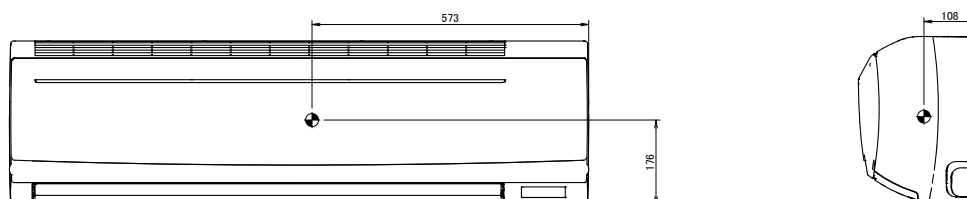
6 - 1 Centre of Gravity

FAA71A



3D106837

FAA100A

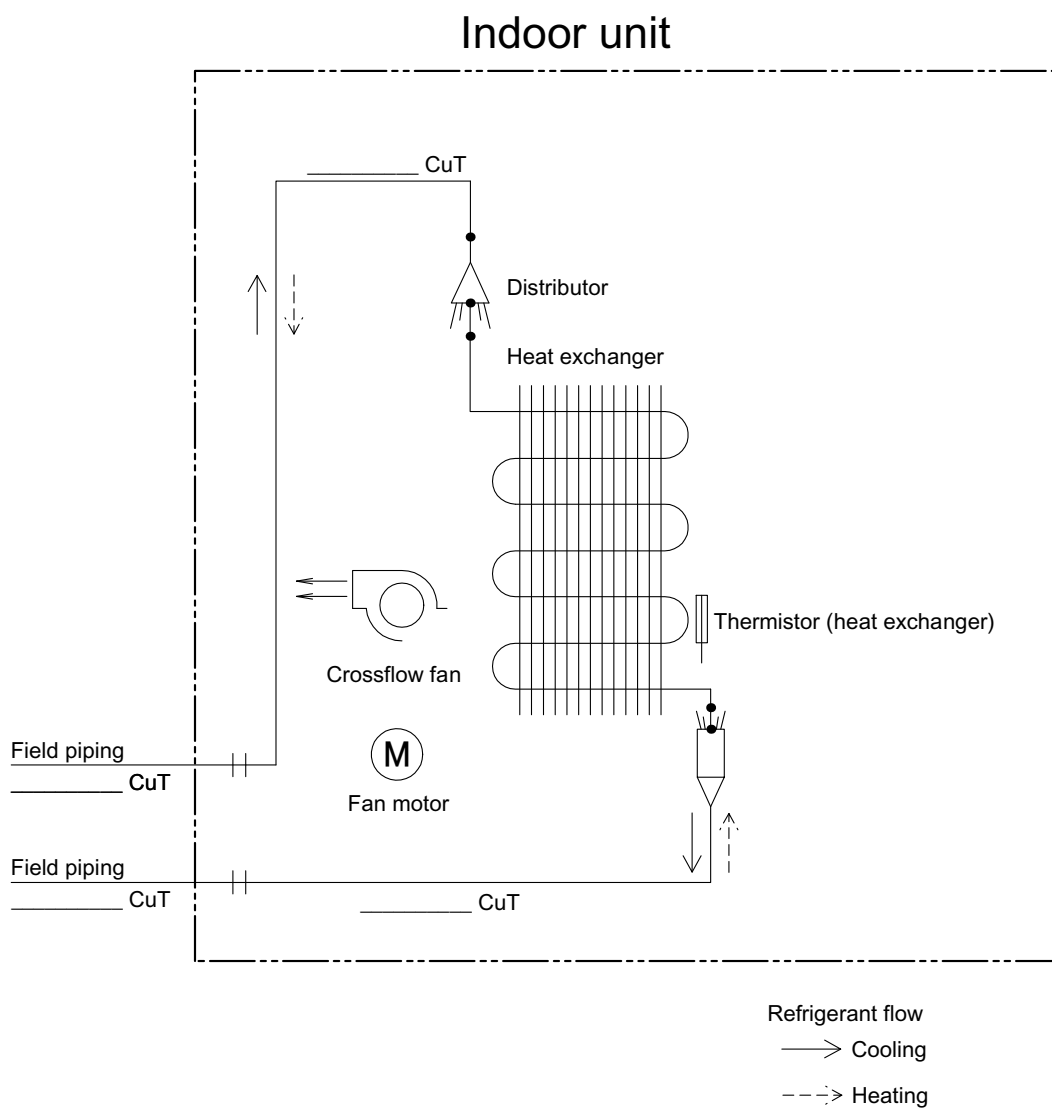


3D106841

7 Piping diagrams

7 - 1 Piping Diagrams

FAA-A



Applicable models

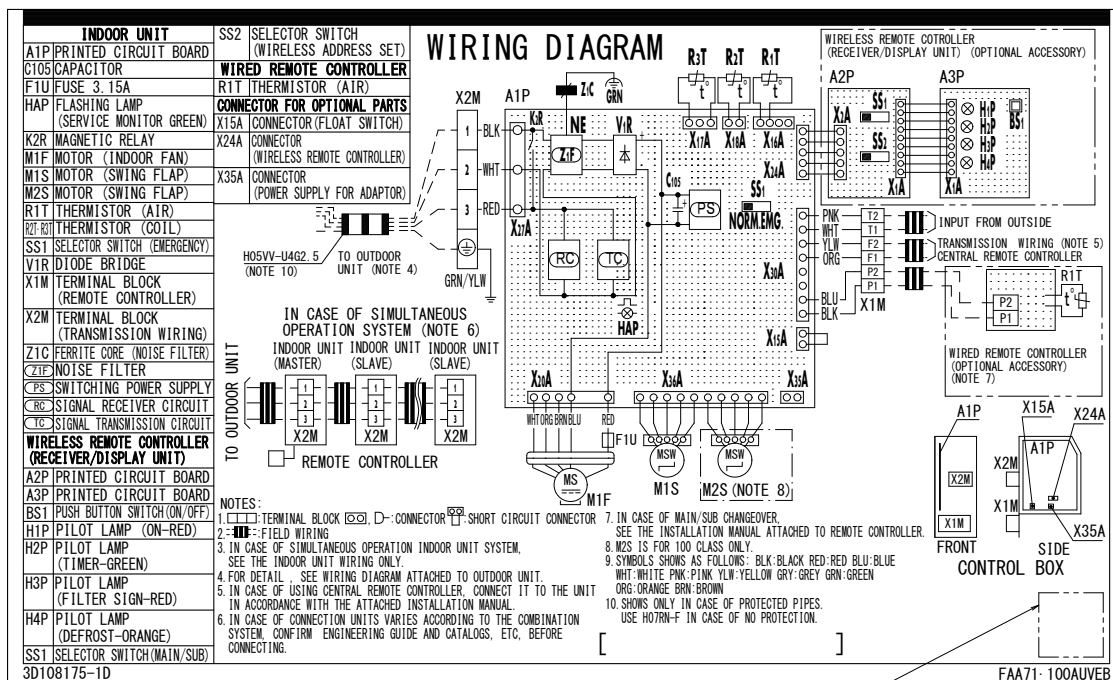
FAA71AUEB/FAA100AUEB

4D107908

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

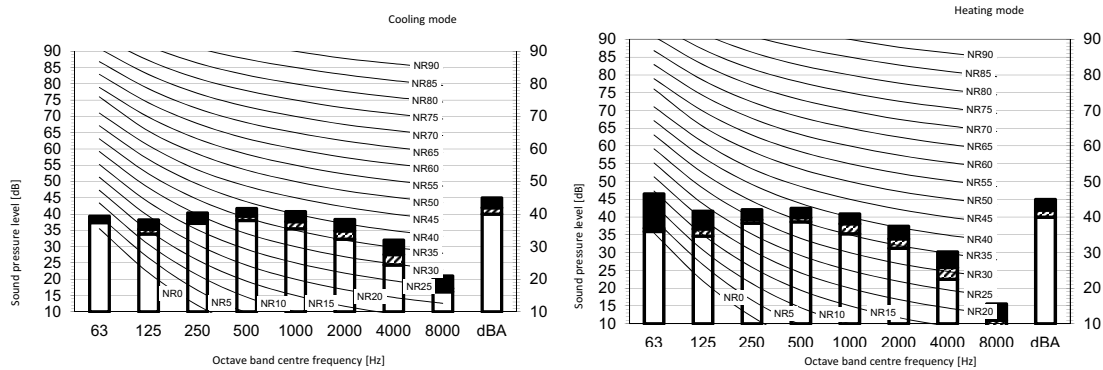
FAA-A



9 Sound data

9 - 1 Sound Pressure Spectrum

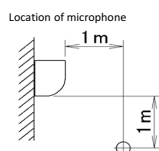
FAA71A



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

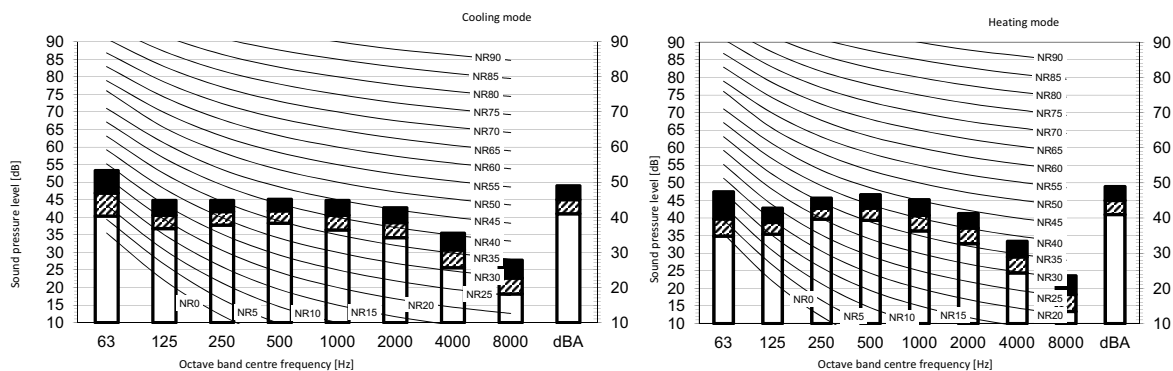
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber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

Heating Total dB

A	B	C	D
dBA	45	42	40

3D109451

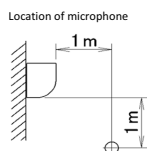
FAA100A



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

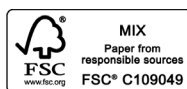
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber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

Heating Total dB

A	B	C	D
dBA	49	45	41

3D109452

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



EEDEN17

05/17



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.